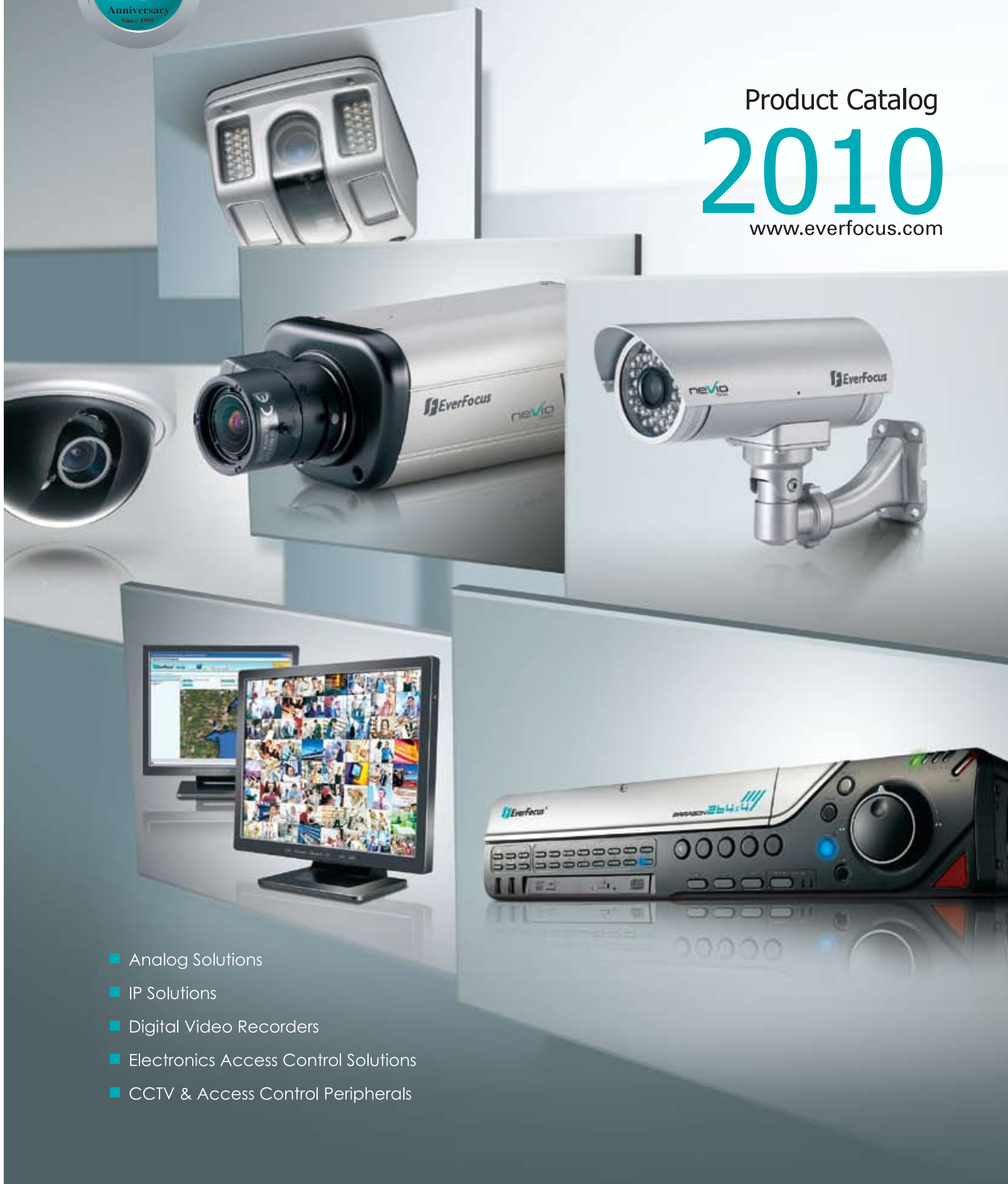




EverFocus®

Product Catalog
2010
www.everfocus.com



- Analog Solutions
- IP Solutions
- Digital Video Recorders
- Electronics Access Control Solutions
- CCTV & Access Control Peripherals



EverFocus

15 Years of Innovation

EverFocus is proud to celebrate our 15th anniversary this year in the CCTV industry. Thank you to our customers and partners, some of whom have been with us since the beginning.

EverFocus Electronics Corp. is a leading manufacturer of CCTV cameras, DVRs, access control systems and other CCTV and access control peripherals. With corporate headquarters located in Taipei, Taiwan, EverFocus has offices around the world including the U.S.A (California & New York), Germany, China and Japan. EverFocus offers quality products, superior technical support, project design consultation, a certified dealer program, educational trainings and many more to meet the demands of our customers worldwide. We believe the key component to success lies in the development and quality of our products and excellent customer service.

Focused on You!

"Focused on You!" is a true description of EverFocus and our employees. We are constantly trying to redefine our role in the marketplace and the World. Our goal is for every product that we manufacture to be easily installed with minimal maintenance. Our extensive warranty is a testimony to the quality that we achieve on all of our products.

Here at EverFocus we take one word to heart when describing our company as a whole: Focused. We are focused on your needs, on providing the industry with great products, and on innovation. When it comes to security equipment, go with the name you trust; go with the name that is Focused on your company.

Thank you for your continuous support. We look forward to serving all of your security needs for many years to come.

EverFocus Product Series:



Quality Management System
ISO9001 certifications

Quality Management System
ISO14001 certifications

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New Product Information

ED610

See COLORS at night!
Wide Dynamic w/ 0.0002 Lux!



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EQ610

See COLORS at night!!
Wide Dynamic w/ 0.0002 Lux!



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EMW330/330T

520 TVL Mobile Wedge
Camera with IR



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ED335

3-Axis IR Dome Camera, Vari-focal
Lens, Surface/Flush Mount



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H.264, HDMI Output w/1080P



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Compact H.264 DVR with GUI



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EMV200/400

2 and 4 Channel
1-DIN Compact Mobile DVR



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*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

*All product specifications are subject to change without notice

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EQ610



Color Cameras

ED560

560 TVL Outdoor Vandal Color Dome with True Day/Night

CE

FCC

POLESTAR

IP66

AWB

ES

BLC

DNR

3-Axis

AGC

POWER

Outdoor

Vandal Resistant

Weatherproof

Day/Night

RoHS



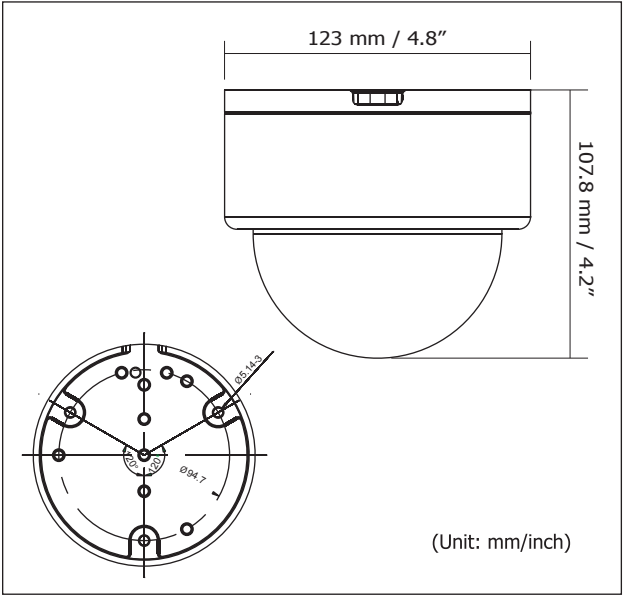
Features

- 1/3" Sony Super HAD color CCD
- 560 TVL of horizontal resolution
- Advanced 16-bit Digital Signal Processor (DSP) for excellent picture quality
- Capture clear images in almost complete darkness with low 0.002 Lux (SENS-UP technology)
- True Day/Night function with removable IR cut filter
- Built-in Dynamic Noise Reduction (DNR) for noise reduction and a 70% saving of disk storage
- 3-axis rotation for viewing flexibility
- Easy installation for wall or ceiling mount
- OSD setting menu
- Support Motion Detection function
- Support Privacy function
- Vandal resistant to withstand intentional destruction
- Weatherproof IP66 rated to endure all weather conditions

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TV lines, 60 fields/sec. PAL: 625 TV lines, 50 fields/sec.
Picture Elements	768 x 494(NTSC) / 752 x 582(PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.002 Lux (SENS-UP 128x), 0.25 Lux/ F=1.2
S/N Ratio	Over 50 dB(AGC off)
Electronic Shutter	1/50(1/60)~1/100,000
Lens Type	Vari-focal lens, Auto Iris f=2.9~10mm, F=1.2
Backlight Comp.	Off/Low/Middle/High Adjustable
Auto Gain Control	Off/Low/Middle/High Adjustable
Auto White Balance	ATW(2500 °K ~8300 °K)/AWC/Manual
Gamma Correction	0.45
True Day & Night	Yes
Flickerless	Yes
Video Output	2 video outputs BNC 1.0Vp-p, 75ohm Additional testing video output 1.0Vp-p, 75ohm
Sync. Mode	Line Lock/Internal sync.
H-Mirror	Yes
OSD Menu	Yes
Vandal Resistant	Yes
Power Source	12VDC/24VAC
Power Consumption	24VAC: 2.5W max. 12VDC: 3.5W max.
Dimensions (W x H)	123 x 107.8 mm / 4.8" x 4.2"
Weight	0.74 kg / 1.6 lbs
Operating Temp.	-10°C~50°C / 14°F~122°F (20%~80% Humidity)
Weatherproof	IP66
Certifications	FCC/CE

Dimensions



Ordering Information

- **ED560:** True Day/Night Outdoor Vandal Dome, 0.002 Lux, 12VDC/24VAC, f=2.9~10 mm Lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EQ550

560 TVL Box Type Color Camera with True Day/Night

CE

FCC

POLESTAR

COLOR

AWB

ES

560 TVL

AGC

BLC

POWER

RS 485

Day/Night

DNR

RoHS



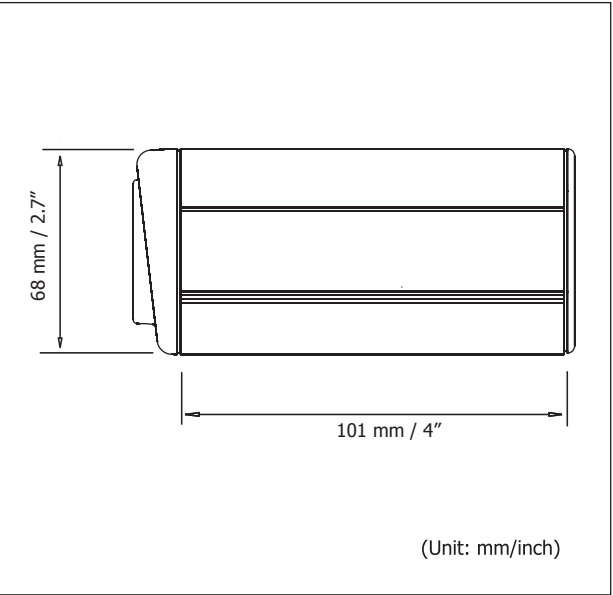
Features

- 560 TVL of horizontal resolution
- Advanced 16-bit Digital Signal Processor (DSP) delivers excellent picture quality and performance
- True Day/Night function with ICR module
- Built-in DNR (Dynamic Noise Reduction) for noise reduction and a 70% saving of Disk storage
- The starlight Super-high sensitivity of 0.002 Lux/F=1.2 is achieved by setting SENS-UP Shutter 128x
- 0 Lux (IR LED on, if IR illuminator is used)
- OSD setting menu
- Support Motion Detection and Privacy function
- Provides alarm output for motion detected
- Support C-mount or CS-mount (optional), needs to have C/CS mount ring regardless
- RS-485 port for optional keyboard control

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TV lines, 60 fields/sec. PAL: 625 TV lines, 50 fields/sec.
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.002 Lux (SENS-UP 128x), 0.25 Lux / F=1.2
S/N Ratio	Over 50dB (AGC off)
Electronic Shutter	1/50(1/60)~1/100,000
Lens Type	C/CS mount direct drive (lens sold separately)
Backlight Comp.	Off/Low/Middle/High Selectable
Auto Gain Control	Off/Low/Middle/High Selectable
Auto White Balance	ATW(2500~8300°k)/AWC/Manual
Shutter Control	ESC/Manual/FLK selectable
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p , 75ohm
OSD Menu	Yes
True Day/Night	Yes (Auto IR cut removable and B/W Sensitivity Enhanced, Off/High lux/low lux switchable)
Motion Detection	off/on (4-zone, position/size/tone)
Privacy	off/on (4-zone, position/size/tone)
H-Mirror	Yes
Sync. Mode	Line Lock/Internal Sync.
Power Source	12VDC/24VAC
Power Consumption	24VAC: 6W max. / 12VDC: 4W max.
Dimensions (L x W x H)	120 x 68 x 56 mm / 4.7" x 2.7" x 2.2"
Weight	0.4 kg / 0.9 lbs
Operating Temp.	0°C~50°C / 32°F~122°F (20%~80% Humidity)
Certifications	FCC/CE

Dimensions



Ordering Information

- **EQ550:** 1/3" Polestar Box Housing, True Day/Night, 560 TVL, 0.002 lux, Dual Voltage

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ED550

560 TVL Indoor Vandal Color Dome with True Day/Night

CE

FCC

POLESTAR

COLOR

NTSC / PAL

AWB

OSD Setting

ES

up to 1/100,000

560

TVL

BLC

Off/Low/Middle/Hi

Day/Night

AGC

On/Off/Mid/Hi

POWER

12VDC / 24VAC

Indoor

Vandal Resistant

DNR

Green



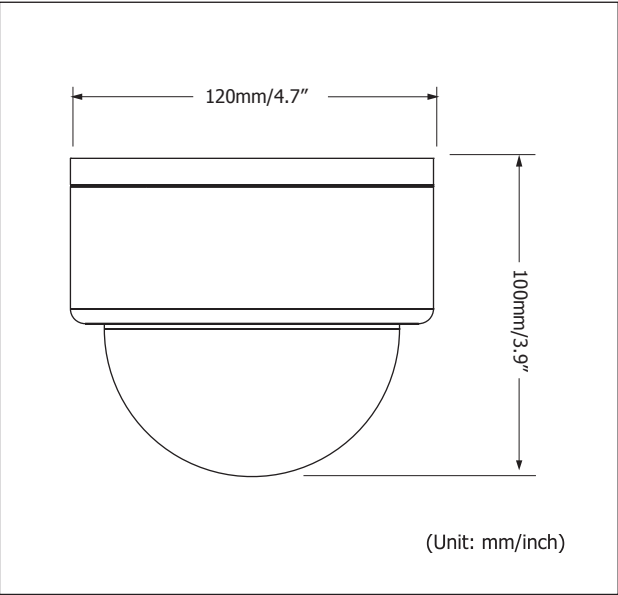
Features

- 560 TVL of excellent high resolution technology
- Advanced 16-bit Digital Signal Processor (DSP) delivers excellent picture quality and performance
- True Day/Night function with IR cut filter
- Built-in DNR (Dynamic Noise Reduction) for noise reduction and a 70% saving of disk storage
- The starlight Super-high sensitivity of 0.002 Lux/F=1.2 is achieved by setting SENS-UP Shutter 128x
- Vandal Resistant to withstand the impact of a 10 lb sledgehammer
- Support Motion Detection and Privacy function

Specifications

Pickup Device	1/3" SONY Super HAD CCD
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TV lines, 60 fields/sec. PAL: 625 TV lines, 50 fields/sec.
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.002 Lux (SENS-UP 128x), 0.25 Lux/ F=1.2
S/N Ratio	Over 50dB (AGC off)
Electronic Shutter	1/50(1/60)~1/100,000
Video Output	BNC 1.0Vp-p, 75ohm
Gamma Correction	0.45
Lens Type	Vari-focal lens, Auto Iris f=2.9~10mm/F=1.2
Backlight Comp.	Yes, Off/Low/Middle/High selectable
Auto Gain Control	Yes, Off/Low/Middle/High selectable
Auto White Balance	ATW(2500~8300 °K)/AWC/Manual
Sync. Mode	Line Lock/Internal sync
True Day/Night:	Yes (Auto IR cut filter and B/W Sensitivity Enhanced)
Flickerless	Yes
OSD Menu	Yes
DNR	Yes, Off/Low/Middle/High selectable
Motion Detection:	Off/On (4-zone, position/size/tone)
Privacy Feature:	Off/On (4-zone, position/size/tone)
H-Mirror	Yes
Vandal Resistant	Yes
Power Source	12VDC/24VAC
Power Consumption	12VDC: 3.5W max. / 24VAC: 2.5W max.
Operating Temperature	0°C~40°C / 32°F~104°F
Humidity	20%~80%
Dimensions (W x H)	118 x 101 mm / 4.7" x 4"
Weight	0.7 kg / 1.5 lbs
Certifications	FCC/CE

Dimensions



Ordering Information

- **ED550:** Polestar True Day/Night Vandal Dome, f=2.9~10mm, Dual Voltage, 0.002 Lux

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EZ550

560 TVL True Day/Night Weatherproof IR Bullet with 6~50mm Lens and RS485 Control

POLESTAR

CE

FCC

IP66

COLOR

NTSC / PAL

AWB

Yes

BLC

Yes

Day/Night

Vandal Resistant

OSD

Menu

AI

Auto Iris

AGC

Yes

IP66

Weatherproof

Vari-frequency

Outdoor

Heater

Cable Management Solution

DNR

Yes

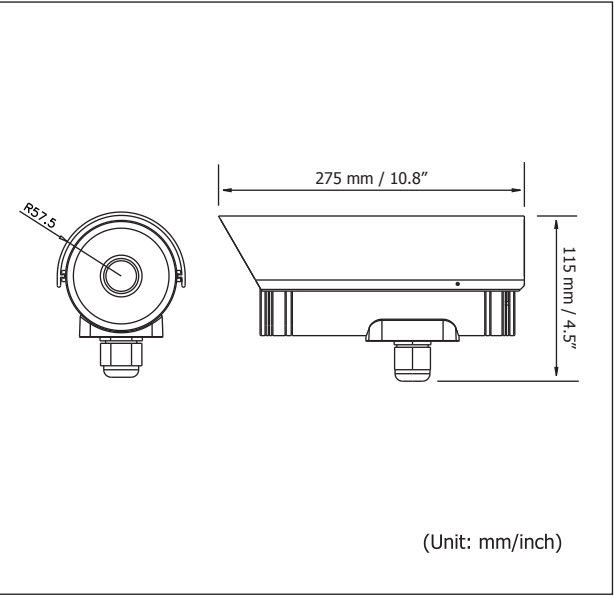
Green



Features

- 560 TVL of horizontal resolution
- Built-in motorized lens controller for 6~50mm zoom and focus adjustment
- Enhance image quality with super low 0.002 Lux (SENS-UP technology)
- True Day/Night feature with IR cut filter
- IR distance up to 50 meters/164 feet
- 42 power high illuminating LEDs
- RS-485 remote control
- Built-in Dynamic Noise Reduction (DNR) for reduced image noise and a 70% saving of disk storage
- Built-in heater for applications in low temperature
- Cable Management Solution: cable wires are placed inside housing and bracket to eliminate messy wiring and prevents wire damage
- Weatherproof IP66 rated to endure all weather conditions
- Vandal resistant to withstand intentional destruction

Dimensions



Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC / PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec. PAL: 625 TVL, 50 fields/sec.
Video Output	BNC 1.0 Vp-p, 75 ohm
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.002 Lux (SENS-UP x128), 0.25 Lux/F=1.2 0 Lux (IR On)
Sync. Mode	Internal Sync./Line Lock
Gamma Correction	0.45
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
S/N Ratio	Over 50dB (AGC Off)
Backlight Comp.	Yes (Off/Low/Middle/High)
Auto White Balance	ATW/AWC/Manual
Auto Gain Control	Yes (Off/Low/Middle/High)
True Day/Night	Yes, with IR cut filter
DNR	Yes (Off/Low/Middle/High)
Lens Type	Vari-focal 6~50mm lens
RS-485	Yes
IR Distance	50 meters / 164 feet
IR Wavelength	850 nm
IR LED Lifespan	Up to 20,000 hours
Power Source	24VAC ± 10%, 100VAC~240VAC, 250mA
Power Consumption	24VAC, 20W / 100VAC~240VAC, 18W
Dimensions (L x H)	275 x 115 mm / 10.8" x 4.5"
Weight	1.8 kg / 4 lbs (without bracket) 2.2 kg / 4.8 lbs (with bracket)
Operating Temp.	-40°C ~ 50° C / -40°F ~ 122°F (20% ~ 80% humidity)
Heater	Yes, built-in
Weatherproof	IP66 rated
Vandal Resistant	Yes

Ordering Information

- **EZ550:** Polestar True Day/Night with IR, f=6~50mm, 42 LEDs, 24VAC, 50 Meter/160+ ft.

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ED610

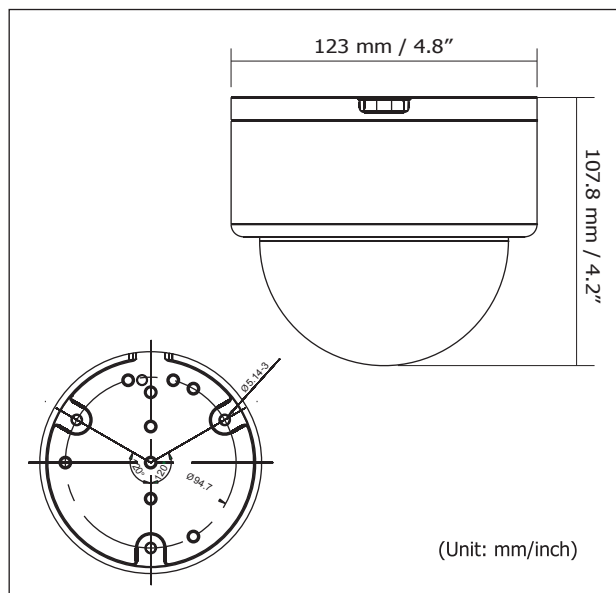
1/3" CCD Wide Dynamic & True Day/Night Outdoor Vandal Dome Camera



Features

- Provides Digital Wide Dynamic Range expansion to deliver properly exposed images despite bright light sources, deep shadows and/or unbalanced lighting in the same scene
- 560 TVL with full motion/True Day/Night plus color images in low light without ghosting
- Provides 3D-Noise Reduction to improve picture clarity while enabling DVRs to improve disk storage utilization
- 3 axis for wall for ceiling mounting with flexible angle viewing
- The starlight super high sensitivity of 0.0002 Lux/F1.2 is achieved through a sensitivity increase setting of up to 256x
- Easy to use OSD setup menu
- Motion detection for 4 zones
- Privacy mask function for 8 zones
- Provides digital zoom (up to 32x)
- Dual voltage (12VDC/24VAC) with line lock to AC supply
- Weatherproof IP66 rated
- Vandal resistant to withstand intentional destruction

Dimensions



Specifications

Pickup Device	1/3" Sony Super HAD CCD II
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TV lines, 60 fields/sec. PAL: 625 TV lines, 50 fields/sec.
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.0002 Lux/F=1.2 (Sens-up 256x) 0.05 Lux/F=1.2 (AGC ON)
S/N Ratio	Over 52dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000
Video Output	Main BNC out 1.0V p-p 75Ω, Local aim/focus test point 1.0V p-p 75Ω (cable provided)
Gamma Correction	0.45
Lens Type	Vari-focal lens, Auto Iris, 2.8-10mm, 9-22mm
Backlight Compensation	BLC, OFF, HS BLC Selectable
Auto Gain Control	Low/Middle/High Selectable
White Balance	ATW/AWB/AWC/Manual/Indoor/Outdoor Selectable
Sync. Mode	Internal/Line lock external sync.
Day/Night	Yes, (Auto,Color,B/W,EXT)
OSD menu	Yes
3DNR	On/Off switchable
Digital WDR	Outdoor, Indoor
Digital Slow Shutter	Sens-Up ~ 256x
Mirror	Off/Mirror/V-Flip/Rotate Selectable
Digital Zoom	On/Off switchable (up to 32x)
Motion Detection	Off/On for 4 Zones
Privacy Mask	Off/On for 8 Zones
Weatherproof	IP66
Vandal Resistant	Yes
Power Source	12VDC/24VAC
Power Consumption	12VDC: 3W max. / 24VAC: 3W max.
Operating Temperature	-10°C~50°C / 14°F~122°F
Humidity	20% ~ 80%
Dimensions (W x H)	123 x 107.8 mm / 4.8" x 4.2"
Weight	0.74 kg / 1.6 lbs
Certifications	CE / FCC

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EQ610

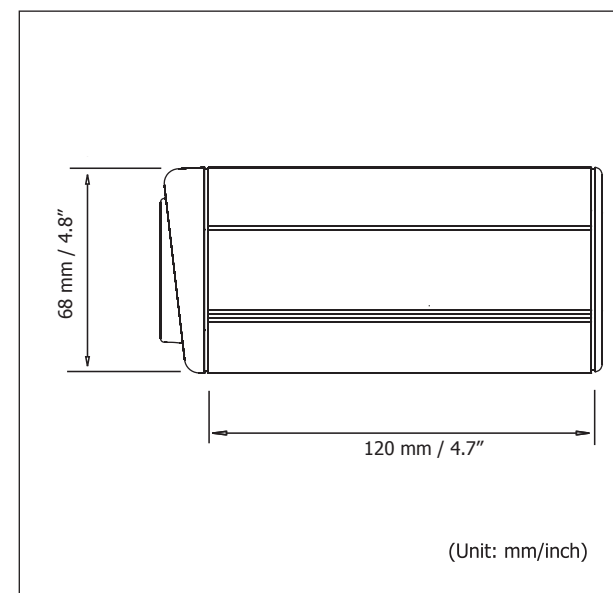
1/3" CCD Wide Dynamic & True Day/Night
Box Style Color Camera



Features

- 3D Noise Reduction to improve picture clarity while enabling DVRs to improve disk storage utilization
- Provides Digital Wide Dynamic Range expansion to deliver properly exposed images despite bright light sources, deep shadows and/or unbalanced lighting in the same scene
- True Day/Night with ICR module
- Supports optional light sensor to control day/night changeover
- The starlight super high sensitivity of 0.0002 Lux/F-1.2 is achieved through a sensitivity increase setting of up to 256x
- Easy-to-use OSD setup menu (with remote access via RS-485 from DVR or keyboard)
- Motion detection for 4 zones
- Privacy mask function for 8 zones
- Provides digital zoom (up to 32x)
- Dual voltage (12VDC/24VAC) with line lock to AC supply

Dimensions



Specifications

Pickup Device	1/3" SONY Super HAD CCD II
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TV lines, 60 fields/sec. PAL: 625 TV lines, 50 fields/sec.
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Sensitivity	0.0002 Lux/F=1.2 (Sens-up 256x) 0.05 Lux/F=1.2 (AGC ON)
S/N Ratio	Over 52dB (AGC off)
Electronic Shutter	1/50 (1/60)~1/100,000
Video Output	Main BNC out 1.0V p-p 75Ω, Local aim/focus test point 1.0V p-p 75Ω (cable provided)
Gamma Correction	0.45
Lens Type	C/CS mount (lens sold separately)
Backlight Compensation	BLC, OFF, HS BLC Selectable
Auto Gain Control	Low/Middle/High Selectable
White Balance	ATW/AWB/AWC/Manual/Indoor/Outdoor Selectable
Sync. Mode	Internal/Line lock external sync.
Day/Night	Yes, (Auto, Color, B/W, EXT)
OSD menu	Yes
3DNR	On/Off switchable
Digital WDR	Outdoor, Indoor
Digital Slow Shutter	Sens-Up ~ 256x
Mirror	Off/Mirror/V-Flip/Rotate Selectable
Digital Zoom	On/Off switchable, up to 32x
Motion Detection	Off/On for 4 Zones
Privacy Mask	Off/On for 8 Zones
Power Source	12VDC/24VAC
Power Consumption	12VDC: 3W max. / 24VAC: 3W max.
Operating Temperature	0°C~50°C / 32°F~122°F
Humidity	20% ~ 80%
Dimensions (L x W x H)	120 x 68 x 56 mm / 4.7" x 2.7" x 2.2"
Weight	0.27 kg / 0.6 lbs
Certifications	CE / FCC

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EHD650

Wide Dynamic Range, True Day/Night
Vandal Color Dome Camera

CE

FCC

IP66

COLOR

NTSC, PAL

AWB

Yes

ES

1/50(1/60)~1/100,000

BLC

ON/OFF

Vandal Resistant

AGC

ON/OFF

POWER

AC 24V

Outdoor

Weatherproof

WDR

480 TVL

Heater

RoHS



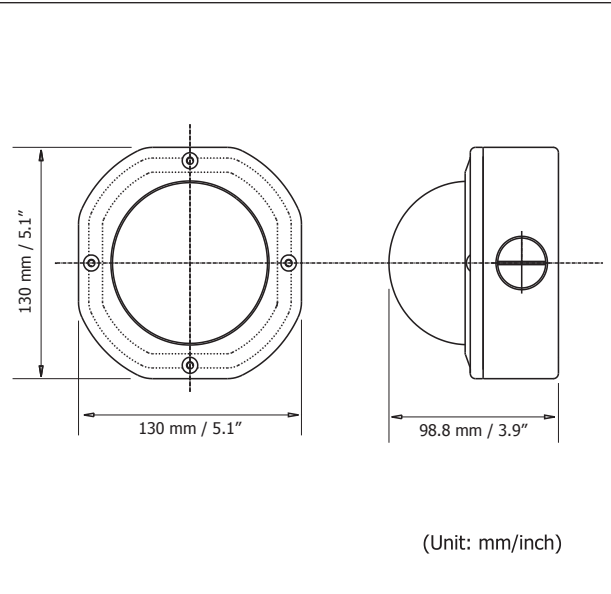
Features

- 1/3" Pixim Digital Pixel System (DPS)
- 480 TVL of horizontal resolution
- Each pixel is processed independently, providing high quality images with enhanced dynamic range under extreme lighting conditions
- Superior Wide Dynamic image quality: Film-like colors are illustrated under various light conditions, even in high dynamic range scenes (>120dB max)
- True Day/Night with IR cut filter
- Vandal resistant: designed with polycarbonate shell to withstand the impact of a 10 lb sledgehammer
- Weatherproof IP66 rated to endure all weather conditions

Specifications

Pickup Device	1/3" Pixim Digital Pixel System
Pixel Element	720 × 540 (Digital)
Horizontal Resolution	480 TVL (Analog)
Sensitivity	0.08 Lux / F=1.2 (DSS x 36)
Slow Shutter	Up to 32x (2, 4, 8, 16, 32)
S/N Ratio	Over 48dB
Auto Exposure	Yes
Auto White Balance	Yes, 2500K ~9500K (Adjustable)
Backlight Comp.	Yes
Auto Iris	Yes
Video Output	BNC, 1.0Vp-p / 75 ohm
Auto Gain Control	Yes (max. 38dB)
Wide Dynamic Range	95dB typical, 120dB max
Sync. Mode	Line Lock/Internal Sync.
Image Flip	Yes (Horizontal Reverse)
On Screen Display	Yes
Lens	f=2.9~10mm
Power Source	24VAC
Operating Temp.	-40°C ~ 50°C / -40°F ~ 122°F (20% ~ 80% Humidity)
Power Consumption	6W max. (w/out heater) 20.5W max. (w/heater)
Dimensions (W x H x D)	130 x 98.9 x 130 mm / 5.1" x 3.9" x 5.1"

Dimensions



Ordering Information

- **EHD650/H-3:** 1/3" Wide Dynamic, True Day/Night Rugged Vandal Dome Color Camera, 2.9~10mm Lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EQ650

Box Type Color Camera with Wide Dynamic Range

CE

FCC

COLOR

NTSC, PAL

AWB

Yes

AGC

ON/OFF

550 TVL

POWER

12VDC/24VAC

WDR

ES

1/50(1/60)~1/100,000

BLC

ON/OFF

RoHS



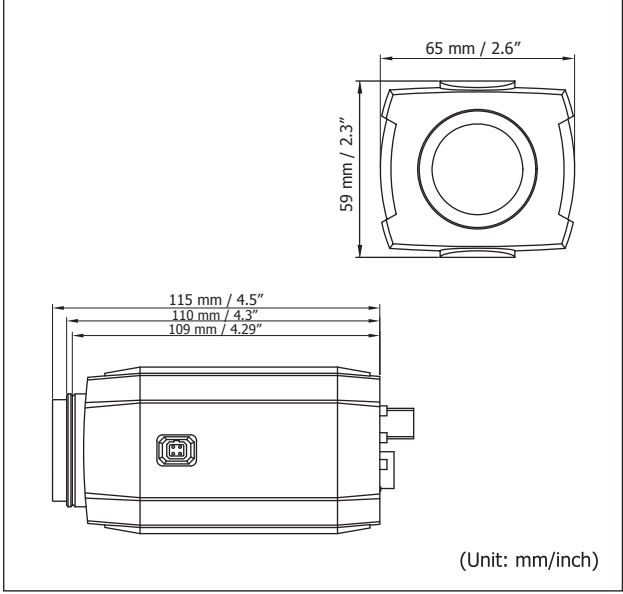
Features

- 1/3" Sony Vertical Double Density Chip
- 550 TVL of horizontal resolution
- On screen display
- Wide dynamic range to eliminate washed out images from window glares
- Turn WDR On & Off with Auto Sensing feature
- Low light high sensitivity of 0.001 Lux with Digital Slow Shutter (DSS) technology
- Dual Voltage
- Suitable for any indoor surveillance with extreme lighting conditions

Specifications

Pickup Device	1/3" Sony Vertical Double Density CCD
Effectvie Pixels	768 x 494 (NTSC) / 752 x 582 (PAL)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Scanning System	2:1 Interlace
Video Output	BNC 1.0 Vp-p, 75 ohm
Horizontal Resolution	550 TVL
OSD Menu	Yes
Gamma Correction	0.45
S/N Ratio	Over 48dB (AGC Off / DSS Off)
AGC	MIN/AWT/MAX
Functions	Privacy Zones, Freeze, Image Reverse, Motion Detection
Sensitivity	0.001 Lux (DSS) 1.0 Lux / 30 IRE @ F2.0
Wide Dynamic Range	Auto/Off/On (Dynamic Range x64)
Backlight Comp.	Off/On Level Adjustment, Area Selection
White Balance	White Balance ATW/Push/Push Lock/User
Digital Slow Shutter	1 ~ 500 Field
Flickerless	Off/On (WDR On)
Sync. Mode	Internal/Line Lock
Power Source	DC12V/24VAC
Power Consumption	12VDC: 680mA max., 24VAC: 8.6W max.
Operating Temperature	-10°C ~ +45°C / 14°F ~ 113°F
Storage Humidity	30% ~ 90%
Dimensions (L x W x H)	115 x 65 x 59 mm / 4.5" x 2.6" x 2.3"
Weight	0.27 kg / 0.6 lbs.
Lens Type	C/CS Mount

Dimensions



Ordering Information

- **EQ650:** Indoor Box Camera with Wide Dynamic, 550 TVL

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ED350
560 TVL Indoor Mini Color Dome Camera



COLOR
NTSC, PAL

ES
1/50 (1/60) ~
1/100,000

AWB
Yes

BLC
ON/OFF

AGC
ON/OFF

AI

Indoor

POWER
12VDC / 24VAC

560
TVL



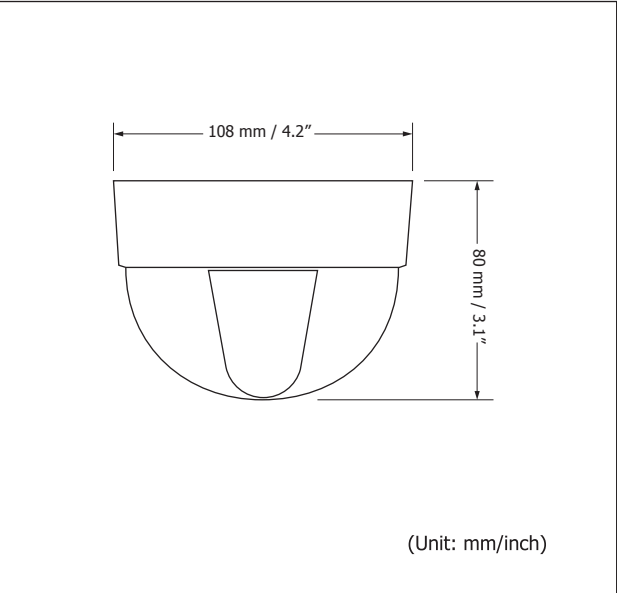
Features

- 1/3" Sony Super HAD CCD image sensor with approximately 410,000 pixels
- 560 TVL of horizontal resolution
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers sharp color images and excellent picture quality
- Compact size for discreet surveillance
- Light sensitivity 0.5 Lux/F=1.2
- Wide range automatic electronic shutter: up to 1/100,000
- Manual zoom lens with adjustable viewing range
- Pure Vision Technology
- Video BNC test cable on camera module
- Suitable for any discreet indoor application
- Available in black, white or gold base

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Sync. Mode	Internal
Gamma Correction	0.45
Iris Level	Adjustable
Lens	f=3.8~9.5mm/F=1.2 f=9~22mm/F=1.6
Power Source	12VDC / 24VAC
Power Consumption	24VAC: 5W max. / 12VDC: 3.5W max.
Dimensions (W x H)	108 x 80 mm / 4.2" x 3.1"
Weight	0.32 kg / 0.7 lbs
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Humidity	20% ~ 80% humidity

Dimensions



(Unit: mm/inch)

Ordering Information

- **ED350/N-1:** 560 TVL Color Mini Dome, 3.8~9.5mm Lens, Gold Base
- **ED350/NW:** 560 TVL Color Mini Dome, 3.8~9.5mm Lens, White Base
- **ED350/NB:** 560 TVL Color Mini Dome, 3.8~9.5mm Lens, Black Base
- **ED350/N-2:** 560 TVL Color Mini Dome, 9~22mm Lens, Gold Base

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ED300
520 TVL Indoor Mini Dome Color



COLOR
NTSC, PAL

ES
1/50 (1/60) ~
1/100,000

AWB
Yes

BLC
ON/OFF

AGC
ON/OFF

Indoor

POWER
12VDC / 24VAC

520
TVL



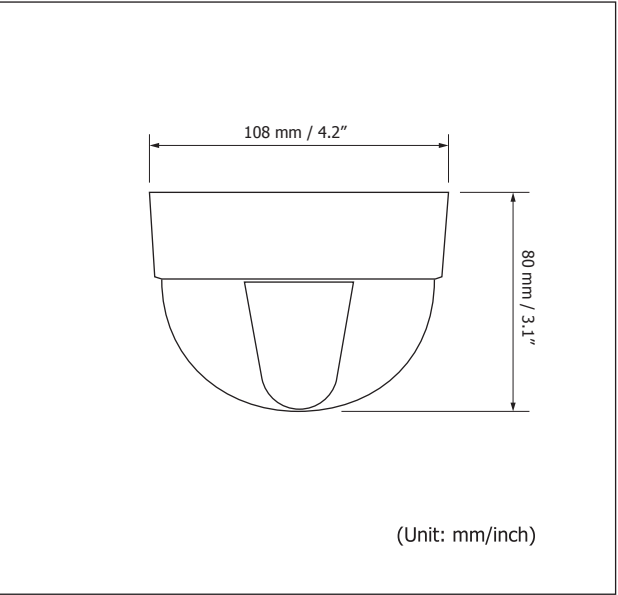
Features

- 520 TVL of horizontal resolution
- 1/3" Sony Super HAD CCD with approximately 410,000 pixels
- Light sensitivity of 0.4 Lux/F=1.2
- Simple Day/Night
- Video BNC test cable on camera module
- Intelligent backlight compensation
- Compact size for discreet surveillance
- Wide range automatic electronic shutter: up to 1/100,000
- Adjustable zoom lens for desired viewing range
- Suitable for any discreet indoor application
- Available in black, white or gold base

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.4 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Sync. Mode	Internal
Iris Level	Adjustable
Lens	f=3.7~12mm/F=1.2
Power Source	12VDC / 24VAC
Power Consumption	24VAC: 4.5W max. / 12VDC: 2.5W max.
Dimensions (W x H)	108 x 80 mm / 4.2" x 3.1"
Weight	0.32 kg / 0.7 lbs
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Humidity	20% ~ 80% humidity

Dimensions



(Unit: mm/inch)

Ordering Information

- **ED300/N:** 3.7~12mm lens, Auto Iris, 520 TVL, Gold Base
- **ED300/NB:** 3.7~12mm lens, Auto Iris, 520 TVL, Black Base
- **ED300/NW:** 3.7~12mm lens, Auto Iris, 520 TVL, White Base

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EFD300A
520 TVL Indoor Recessed Color Dome



COLOR
NTSC, PAL

Indoor

520
TVL

AWB
Yes

BLC
ON/OFF

AGC
ON/OFF

POWER
12VDC/24VAC





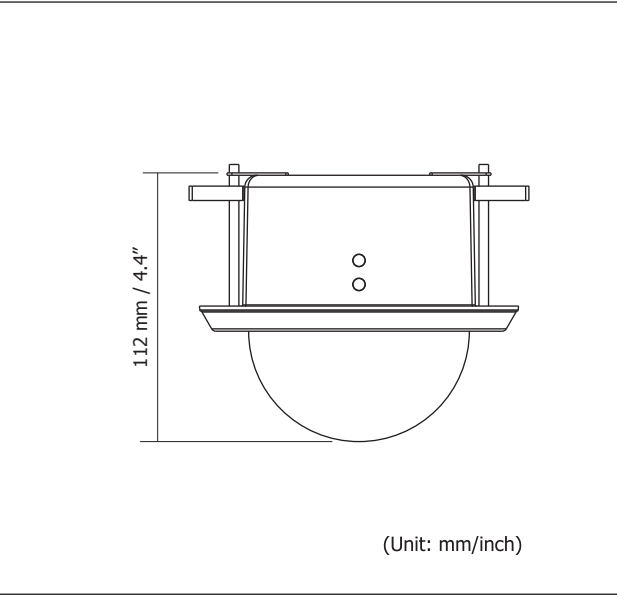
Features

- 520 TVL of horizontal resolution
- Tool-less feature enables easy, trouble-free camera adjustment
- Features a “twist to lock” trim ring to ensure a secure connection
- Designed with polycarbonate dome shell for vandal resistant
- Plenum-rated back box
- Manual Pan/Tilt mechanism
- Available with 4~9mm lens

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.4 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Sync. Mode	Internal
Iris Level	Adjustable
Lens	f=4~9mm/F=1.4
Power Source	12VDC / 24VAC
Power Consumption	24VAC: 4W max. / 12VDC: 2W max.
Dimensions (W x H)	135 x 112 mm / 5.3" x 4.4"
Weight	0.7 kg / 1.6 lbs
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity

Dimensions





Ordering Information

- **EFD300A:** 1/3" Color Flush Dome, NTSC, 4-9mm A/I, Smoke Shell, No Audio

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ECD230
380 TVL Micro Mini Indoor Color Dome



COLOR
NTSC, PAL

AWB
Yes


ES
1/50 (1/60) ~ 1/100,000

BLC
ON/OFF

Indoor

380
TVL

AGC
ON/OFF





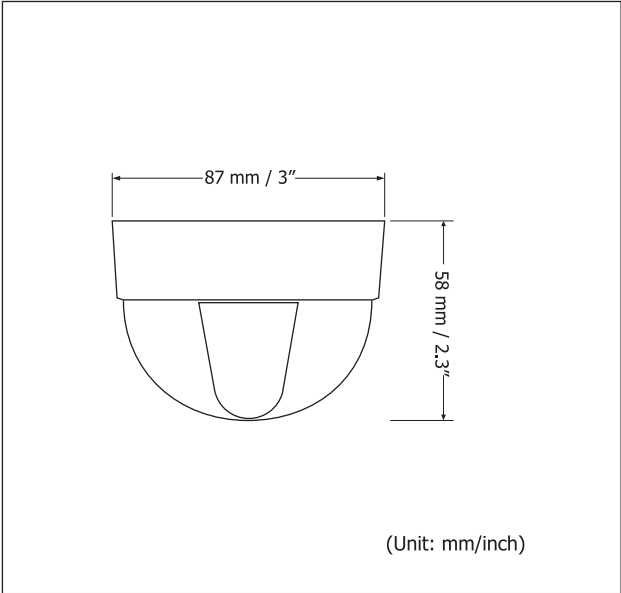
Features

- 380 TVL with high sensitivity of 0.3 Lux/F=1.2
- Approximately 3" (87mm) in diameter
- 3.6 mm fixed lens
- Built-in anti-aliasing
- Ideal for discreet indoor surveillance
- Available in white base with smoke dome shell

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	510 x 492 (NTSC) / 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB
Sync. Mode	Internal Sync.
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Lens	f=3.6mm lens
Power Source	12VDC
Power Consumption	3W max.
Dimensions (W x H)	87 x 58 mm / 3" x 2.3"
Weight	45.4 g / 0.1 lbs
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity

Dimensions



Ordering Information

- **ECD230/N3W:** 380 TVL, Micro-Mini Color Dome, 3.6mm Lens, Black Shell, White Base

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EPD200A
380 TVL Indoor Pendent Color Dome Camera



COLOR
NTSC, PAL

AWB
Yes

ES
1/50 (1/60) ~
1/100,000

AI
VD/DD SW

BLC
ON/OFF

AGC
ON/OFF

Power
24VAC/
12VDC

Indoor

380
TVL



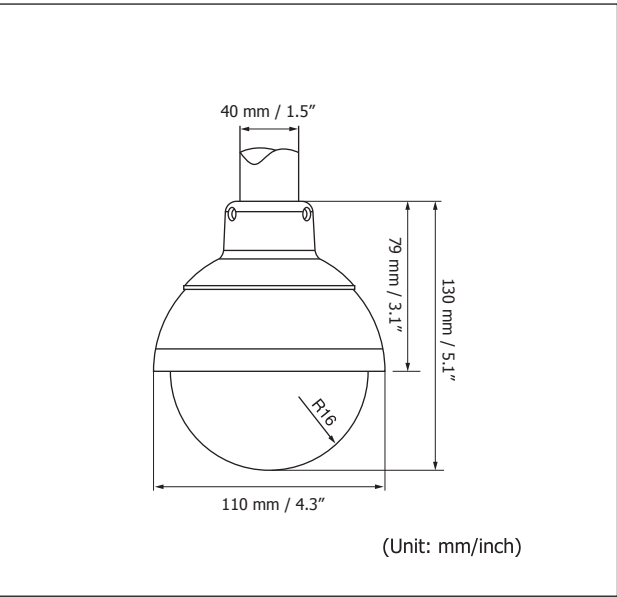
Features

- 1/3" Sony Super HAD CCD with the light sensitivity of 0.3 Lux/F=1.2
- Designed with the advanced DSP for excellent picture quality and performance
- Electronic shutter and AGC allows the camera to be operated in environment with various light levels
- BLC and AGC function with On/Off switchable
- Manual zoom lens for adjustable viewing range
- Pendent mount design for ceiling installation

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	510 x 492 (NTSC) / 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (AGC On)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Sync. Mode	Internal Sync.
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Flickerless	On/Off switch
Gamma Correction	0.45
Lens	Built-in vari-focal f=3.8~9mm/F=1.2
Power Source	12VDC / 24VAC
Power Consumption	3W max.
Dimensions (W x H)	130 x 109 mm / 5.1" x 4.3"
Weight	0.27 kg / 0.6 lbs
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity

Dimensions



Ordering Information

- **EPD200A:** Indoor Pendent Color Dome Camera, 380 TVL, 3.8~9mm lens, Dual Voltage, Smoke Cover Shell

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ED200
380 TVL Indoor Color Mini Dome Camera



COLOR
NTSC, PAL

AWB
ON

ES
1/50 (1/60) ~
1/100,000 sec

BLC
Yes

AGC
ON

POWER
DC12V

Indoor

380
TVL



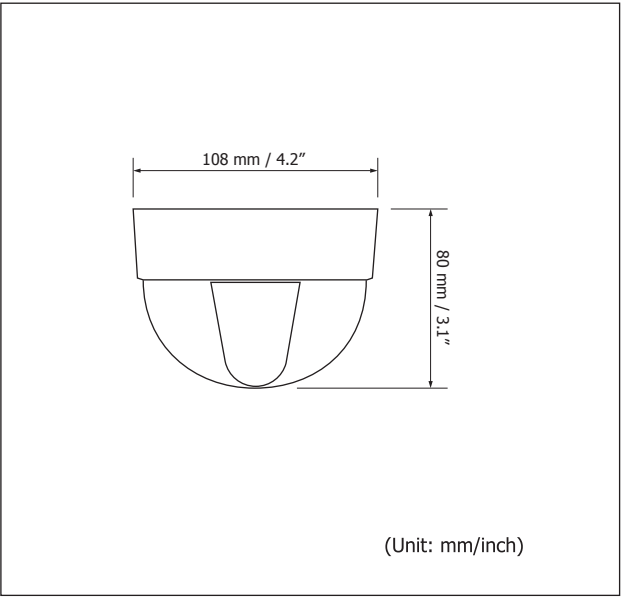
Features

- 380 TVL of horizontal resolution
- 1/3" Sony Super HAD CCD with the light sensitivity of 0.3 Lux/F=1.2
- Compact size for discreet indoor surveillance
- Simple Day/Night
- Video BNC test cable on camera module
- Available in black and white base

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	510 x 492 (NTSC) / 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Backlight Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Gamma Correction	0.45
Sync. Mode	Internal Sync.
Lens	Standard board lens f=3.6mm/F=2.0 (Optional lens: 2.5mm, 4.3mm, 6mm, 8mm, 12mm and 16mm)
Power Source	12VDC
Power Consumption	3W max.
Dimensions (W x H)	108 x 80 mm / 4.3" x 3.1"
Weight	0.3 kg / 0.7 lbs.
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity

Dimensions



Ordering Information

- **ED200/N-3B:** 1/3" Sony CCD, Color Mini Dome, 380 TVL, Black Base
- **ED200/N-3W:** 1/3" Sony CCD, Color Mini Dome, 380 TVL, White Base

*Also available with 2.5mm, 4.3mm, 6mm, 8mm, 12mm and 16mm lens

**To order, replace the last number with the first digit(s) of the desired lens, (e.g. 2.5mm lens w/black base = ED200/N-2B or 6mm w/white base = ED200/N-6W)

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EHD525EX

1/3" Sony ExView True Day/Night Vandal Color Dome Camera



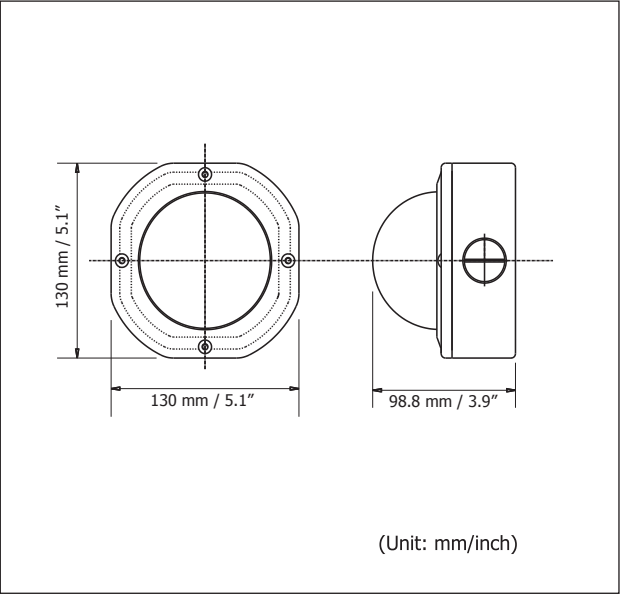
Features

- 560 TVL of horizontal resolution
- 1/3" Sony ExView CCD with low light sensitivity of 0.1 Lux/F=1.2
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality and sharp color images
- Vandal resistant to withstand the impact of a 10 lb sledgehammer
- Aluminum base with smoke color shell
- True Day/Night feature with IR cut removable module
- Weatherproof IP66 rated to endure any weather conditions
- Dual Voltage: 12VDC or 24VAC

Specifications

Pickup Device	1/3" Sony ExView Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.1 Lux/F=1.2
S/N Ratio	Over 50dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Sync. Mode	Line Lock/Internal Sync.
Gamma Correction	0.45
Lens	f=2.9~10mm / f=9~22mm
Iris Level	Auto
Dimensions (W x H x D)	130 x 98.8 x 130 mm / 5.1" x 3.9" x 5.1"
Operating Temp.	-40°C ~ 50°C / -40°F ~ 122°F
Humidity	20% ~ 80% humidity
Power Source	12VDC / 24VAC
Power Consumption	With Heater: 24VAC: 20.5W max. / 12VDC: 11.5W max. Without Heater: 24VAC: 6W max. / 12VDC: 4W max.
Weight	1.7 kg / 3.7 lbs.
Weatherproof	IP66 rated
Vandal Resistant	Yes

Dimensions



Ordering Information

- **EHD525/Ex-2:** True Day/Night, Sony Ex-View, 560 TVL, 9~22mm lens, Heater
- **EHD525/Ex-3:** True Day/Night, Sony Ex-View, 560 TVL, 2.9~10mm lens, Heater

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EHD350

560 TVL High Resolution Color Vandal Dome Camera



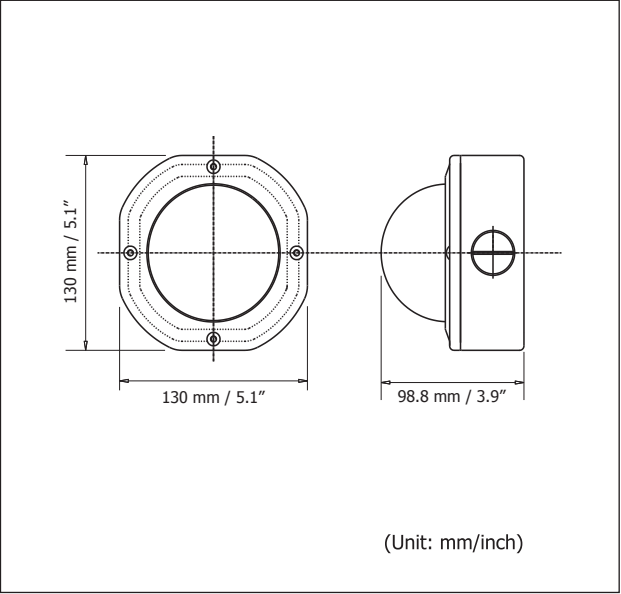
Features

- 1/3" Sony Super HAD CCD with light sensitivity of 0.5 Lux/F=1.2
- 560 TVL of horizontal resolution
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality and sharp color images
- Vandal resistant with polycarbonate shell to withstand intentional destruction
- Designed with 3-axis for angle viewing flexibility
- Heater triggers when temperature falls below 10°C / 50°F
- Built-in micro switch for alarm trigger
- Weatherproof IP66 rated
- Aluminum base with smoke color shell
- Ideal for any outdoor surveillance

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Sync. Mode	Line Lock/Internal Sync.
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Iris Level	Adjustable
Lens	Built-in vari-focal f=9~22mm / f=2.9~10mm
Dimensions (W x H x D)	130 x 98.8 x 130 mm / 5.1" x 3.9" x 5.1"
Operating Temp.	-40°C ~ 50°C / -40°F ~ 122°F
Humidity	20% ~ 80% humidity
Power Source	12VDC/24VAC
Power Consumption	With Heater: 24VAC: 20.5W max. / 12VDC: 11.5W max. Without Heater: 24VAC: 6W max. / 12VDC: 4W max.
Weight	1.7 kg / 3.7 lbs.
Weatherproof	IP66 rated
Vandal Resistant	Yes

Dimensions



Ordering Information

- **EHD350/H2:** 1/3" 560 TVL, Vari-focal lens f=9~22mm/F=1.6, Smoke Shell w/Heater
- **EHD350/H3:** 1/3" 560 TVL, Vari-focal lens f=2.9~10m /F=1.6, Smoke Shell w/Heater

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EHD300

520 TVL Outdoor Color Vandal Dome Camera

CE

FCC

IP66

COLOR

NTSC, PAL

AWB

Yes

ES

1/50 (1/60) ~ 1/100,000

BLC

ON/OFF

IP66

Weatherproof

AGC

ON/OFF

POWER

12VDC/24VAC

Outdoor

Vandal Resistant

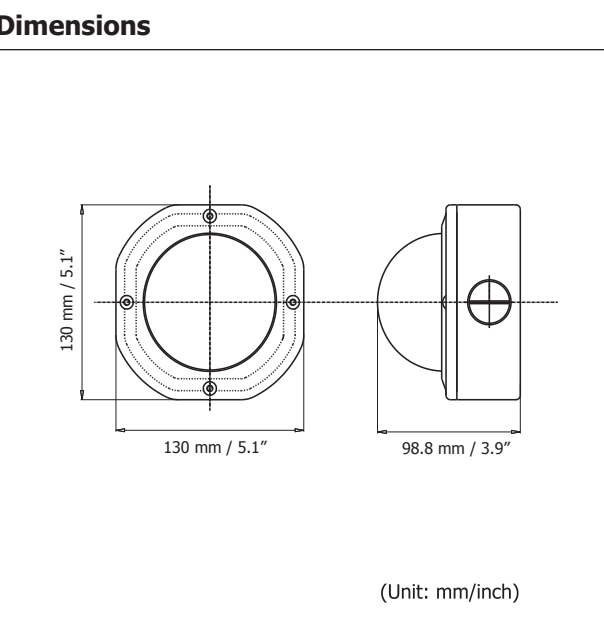
520 TVL



- Features
- 1/3" Sony Super HAD CCD with light sensitivity of 0.4 Lux/F=1.2
 - 520 TVL of horizontal resolution
 - Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality and sharp color images
 - Vandal resistant with polycarbonate shell to withstand intentional destruction
 - Designed with 3-axis for angle viewing flexibility
 - Built-in micro switch for alarm trigger
 - Weatherproof IP66 rated
 - Aluminum base with smoke color shell
 - Ideal for any outdoor surveillance

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.4 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Sync. Mode	Line Lock/Internal Sync.
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Iris Level	Adjustable
Lens	Built-in vari-focal f=9~22mm / f=2.9~10mm
Dimensions (W x H x D)	130 x 98.8 x 130 mm / 5.1" x 3.9" x 5.1"
Operating Temp.	-10°C ~ 50°C / 14°F ~ 122°F
Humidity	20% ~ 80% humidity
Power Source	12VDC/24VAC
Power Consumption	24VAC: 4W max. / 12VDC: 2W max.
Weight	1.7 kg / 3.7 lbs
Weatherproof	IP66 rated
Vandal Resistant	Yes



- Ordering Information
- **EHD300/N-2:** 520 TVL, 9~22mm lens, Auto Iris, Low Lux, No Heater
 - **EHD300/N-3:** 520 TVL, 2.9~10mm lens, Auto Iris, Low Lux, No Heater

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EI350

560 TVL Pure Vision Lens Integrated Color

CE

FCC

COLOR

NTSC, PAL

AWB

ON

ES

1/50 (1/60) ~ 1/100,000

BLC

ON/OFF

POWER

12VDC/24VAC

AI

560 TVL

AGC

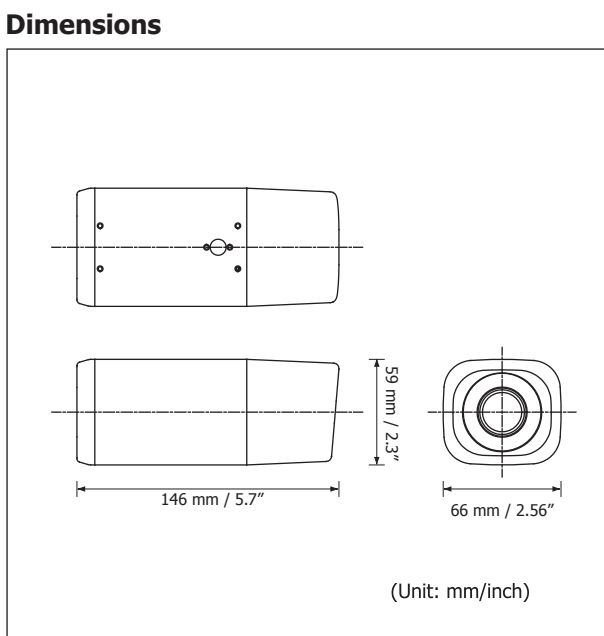
ON/OFF



- Features
- 1/3" Sony Super HAD CCD with low light sensitivity of 0.5 Lux/F=1.2
 - Industry leading super high resolution of 560 TVL
 - Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality and sharp color images
 - Intelligent backlight compensation
 - Utilizes Pure Vision Technology
 - Available with 3.8~9.5mm lens

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Sync. Mode	Line Lock/Internal Sync.
Electronic Shutter	1/50 (1/60) ~ 1/100,000
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Lens	Built-in vari-focal f=3.8~9.5mm/F=1.2
Power Source	12VDC/24VAC
Power Consumption	24VAC: 7.5W max. / 12VDC: 4.5W max.
Dimensions (L x W x H)	146 x 66 x 59 mm / 5.7" x 2.56" x 2.3"
Weight	0.3 kg / 0.6 lbs (without bracket) 0.4 kg / 0.8 lbs (with bracket)
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity



- Ordering Information
- **EI350:** 1/3" Pure Vision 560 TVL, Lens Integrated, Dual Voltage, 3.8~9.5mm lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EQ350
560 TVL Aluminum Box Type Housing Color Camera



COLOR
NTSC, PAL

AWB
Yes

ES
1/50 (1/60) ~
1/100,000

560
TVL

BLC
ON/OFF

AGC
ON/OFF

POWER
12VDC/24VAC

AI

FL
ON/OFF



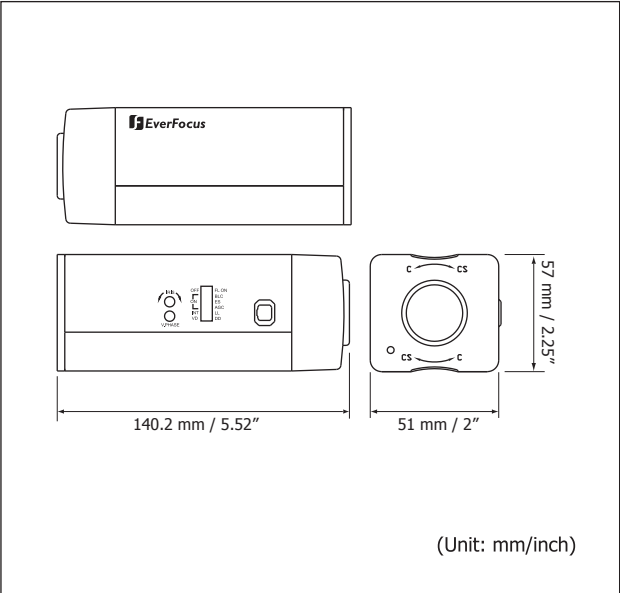
Features

- Industry leading super high resolution with 560 TVL
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers sharp color images and excellent picture quality
- Wide range automatic electronic shutter: 1/50 (1/60) ~ 1/100,000
- Auto line lock with external phase adjustment
- C/mount or CS-mount adjustable with easy back focus adjustment wheel on the camera
- Smart FL mode for fluorescent light
- Utilizing innovative Pure Vision Technology

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Video Output	BNC 1.0 Vp-p, 75ohm
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000
Gamma Correction	0.45
Sync. Mode	Line Lock/Internal Sync.
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Lens	Sold separately. Support C/CS mount
Power Source	12VDC/24VAC
Power Consumption	24VAC: 7W max. / 12VDC: 4.5W max.
Dimensions (L x W x H)	140.2 x 51 x 57 mm / 5.5" x 2" x 2.25"
Weight	500 g / 1.1 lbs
Operating Temp.	-10°C ~ 50°C / 14°F ~ 122°F
Humidity	20% ~ 80% humidity

Dimensions



Ordering Information

- **EQ350A/N:** 1/3" Color, 560 TVL Pure Vision Hi-Res DSP Camera, Dual Voltage

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EQ300E/EQ200E
Aluminum Box Type Color Camera with Simple Day/Night



COLOR
NTSC, PAL

ES
1/50 (1/60) ~
1/100,000

AWB
Yes

BLC
Yes

AGC
Yes

520
TVL

380
TVL

POWER
12VDC/24VAC



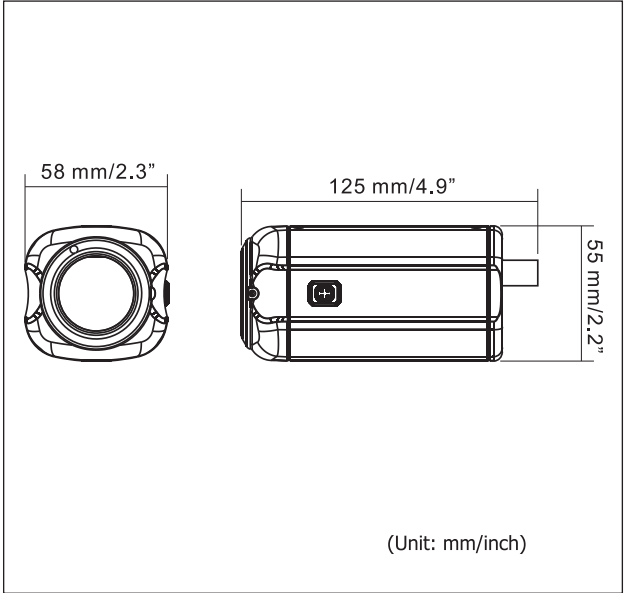
Features

- 1/3" Sony Super HAD CCD
- Light sensitivity 0.4 Lux/F=1.2 (EQ300E) or 0.3 Lux/F=1.2 (EQ200E)
- Choose from 520 TVL (EQ300E) or 380 TVL (EQ200E) of horizontal resolution
- Support video drive and DC drive auto IRIS lens
- Advanced Digital Signal Processor for excellent image quality
- Simple Day/Night function
- BLC, AGC and FL On/Off switchable
- Compatible with both C-mount and CS-mount lens (adapter ring included)
- System available for NTSC or PAL

Specifications

Model	EQ300E	EQ200E
Pickup Device	1/3" Sony Super HAD CCD	
Video Format	NTSC or PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec. PAL: 625 TVL, 50 fields/sec.	
Picture Format	768 x 494 (NTSC) 752 x 582 (PAL)	510 x 492 (NTSC) 500 x 582 (PAL)
Horizontal Resolution	520 TVL	380 TVL
Sensitivity	0.4 Lux/F=1.2	0.3 Lux/F=1.2
S/N Ratio	Over 48 dB (AGC off)	
Electronic Shutter	1/50 (1/60) ~ 1/100,000	
Auto Iris	Video/Direct Drive switch	
Backlight Comp.	On/Off Switch	
Auto Gain Control	On/Off Switch	
Flickerless	On/Off Switch	
Simple Day/Night	Auto/Off Switch	
Auto White Balance	Yes	
Gamma Correction	0.45	
Video Output	BNC 1.0Vp-p,75 ohm	
Sync. Mode	Internal Sync.	
Lens Mount	C/CS mount	
Audio	Optional	
Power Source	12VDC/24VAC, 100V~240VAC	
Power Consumption	12VDC: 1.6W, 24VAC: 2.2W, 100~240VAC: 1.6W	
Dimensions (L x W x H)	128 x 58 x 55mm / 4.9" x 2.3" x 2.2"	
Weight	250 g / 0.55 lbs	
Operating Temp.	0°C ~ 50°C /32°F ~ 122°F	
Humidity	20% ~ 80% Humidity	

Dimensions



Ordering Information

- **EQ200E:** 380 TVL, Simple Day/Night, 12VDC/24VAC, 0.3 Lux
- **EQ300E:** 520 TVL, Simple Day/Night, 12VDC/24VAC, 0.4 Lux

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EQ250

1/3" Aluminum Box Type Color Camera with 380 TVL



COLOR
NTSC, PAL

ES
1/50 (1/60) ~
1/100,000

AWB
YES

BLC
YES

AGC
YES

380
TVL

POWER
12VDC/24VAC



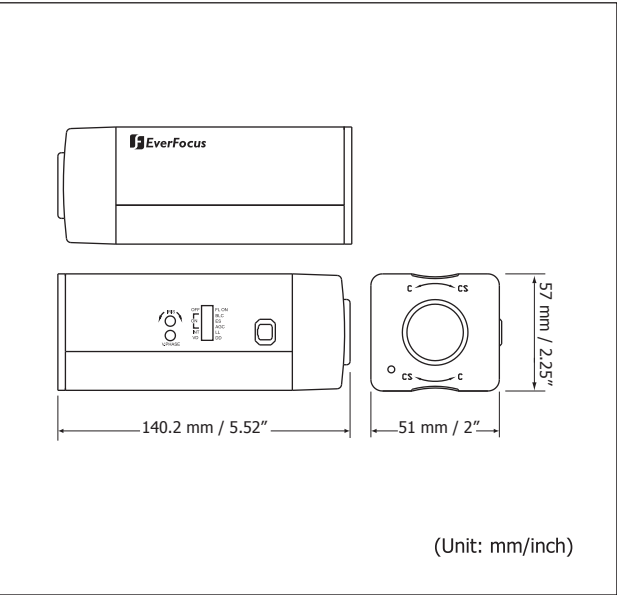
Features

- 1/3" Sony Super HAD CCD with light sensitivity of 0.25 Lux/F=1.2
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers sharp color images and excellent picture quality
- Smart FL mode for fluorescent light
- C/mount or CS-mount adjustable with easy back focus adjustment wheel on the camera
- Dual voltage 12VDC/24VAC

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	510 x 492 (NTSC) / 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Video Output	BNC 1.0 Vp-p, 75ohm
Sensitivity	0.25 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000
Gamma Correction	0.45
Sync. Mode	Line Lock/Internal Sync.
Flickerless	On/Off switch
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Lens	Sold separately. Support C/CS mount
Power Source	12VDC / 24VAC
Power Consumption	24VAC: 6W max. / 12VDC: 4W max.
Dimensions (L x W x H)	140.2 x 51 x 57 mm / 5.5" x 2" x 2.3"
Weight	500 g / 1.1 lbs
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity

Dimensions



Ordering Information

- EQ250A/N:** 1/3" Color, 380 TVL, DSP Box Type Color Camera, Dual Voltage

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EZ350

560 TVL Bullet Style Weatherproof Color Camera



IP66

COLOR
NTSC, PAL

AWB
ON

ES
1/50 (1/60) ~
1/100,000

BLC
ON/OFF

AI
VIDEO SW

AGC
ON/OFF

POWER
12VDC/24VAC

560
TVL



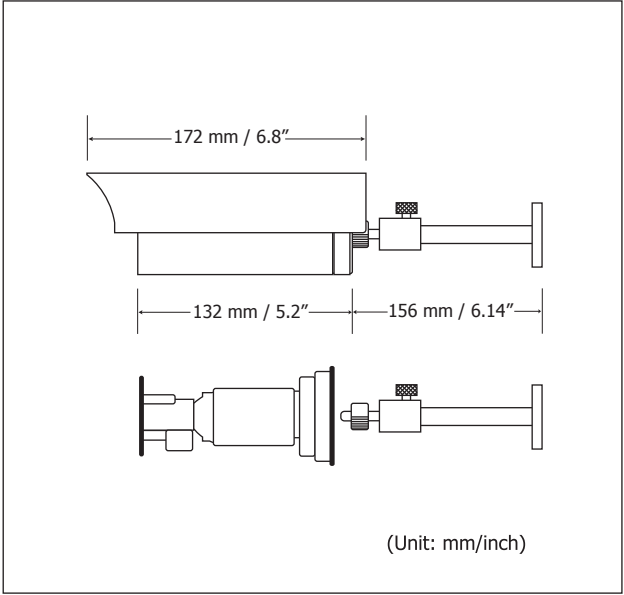
Features

- 1/3" Sony Super HAD CCD with low light sensitivity of 0.5 Lux/F=1.2
- Industry leading super high resolution with 560 TVL
- Revolutionary integrated 10-bit Digital Signal Processor (DSP) delivers excellent picture quality and sharp color images
- Intelligent backlight compensation with On/Off switch
- Built-in heater will activate when temperature falls below -10°C / 14°F
- Removable sun shield
- IP66 rated to endure all weather condition

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	560 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.5 Lux/F=1.2
S/N Ratio	Over 48dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Backlight Comp.	On/Off switch
Auto Gain Control	On/Off switch
Auto White Balance	Yes
Gamma Correction	0.45
Power Source	12VDC / 24VAC
Lens	Vari-focal f=3.8mm~9.5mm/F=1.2 or Vari-focal f=9mm~22mm/F=1.6
Dimensions (L x W x H)	With Sun Shield: 172 x 70 x 82 mm / 6.8" x 3.3" x 2.8" Without Sun Shield: 132 x 57 mm / 5.2" x 2.2" (L x D)
Operating Temperature	-40°C~50°C / -40°F~122°F (20~80% humidity)
Power Consumption	With Heater: 24VAC: 12.5W max. / 12VDC: 7.5W max. Without Heater: 24VAC: 6W max. / 12VDC: 4W max.
Weight	500 g / 1.1 lbs
Weatherproof	IP66 rated
Heater Activation Temp.	-10°C / 14°F

Dimensions



Ordering Information

- EZ350/N1:** 1/3" 560 TVL, Pure Vision Bullet Style Weatherproof Color Camera, 3.8-9.5mm Lens
- EZ350/N2:** 1/3" 560 TVL, Pure Vision Bullet Style Weatherproof Color Camera, 9-22mm Lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EZ-VF325NH

550 TVL Mini Color Bullet, 4~9mm Vari-focal Lens

CE

FCC

IP67

COLOR

NTSC, PAL

AWB

ON

ES

1/50 (1/60) ~ 1/100,000

BLC

ON/OFF

550

TVL

AGC

ON/OFF

POWER

12VDC

Outdoor

IP67

Waterproof



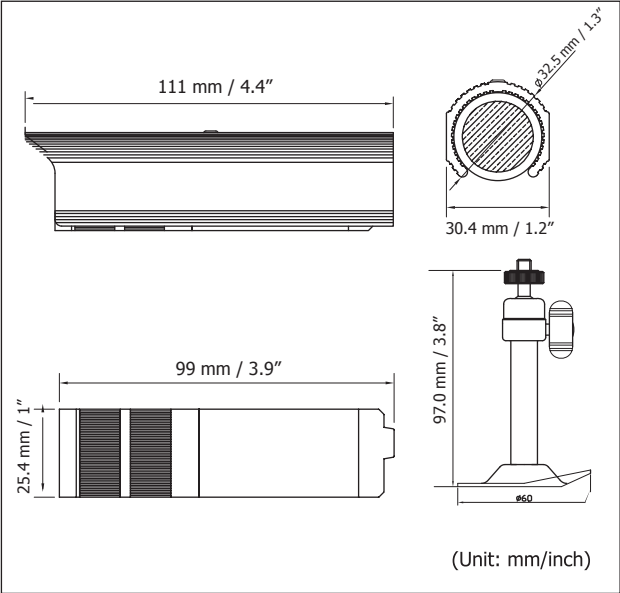
Features

- 1/3" Sony Super HAD CCD with HQ1 chipset
- 550 TVL of high resolution
- Compact and lightweight
- Built-in adjustable 4~9mm vari-focal lens
- Low light sensitivity of 1.0 Lux
- IP67 rated
- Sunshield & mount included
- Ideal for indoor or outdoor discreet surveillance

Specifications

Pickup Device	1/3" Sony Super HAD Color CCD w/HQ1 Chipset
Video Format	NTSC
Picture Format	768 x 494 NTSC / 752 x 582 PAL
Scanning System	H: 15.734 KHz, V: 59.94 Hz
Scanning Frequency	2:1 Interlace
Horizontal Resolution	550 TVL
Sensitivity	1.0 Lux / F=2.0
S/N Ratio	Over 45 dB (AGC off)
Electronic Shutter	1/60 ~ 1/100,000 sec.
Lens Type	Built-in vari-focal lens: f=4~9mm
Gamma Correction	0.45
Sync. Mode	Internal Sync.
Backlight Comp.	Auto
Auto Gain Control	Auto
Lens	Vari-focal 4~9mm lens
Power Source	12VDC
Power Consumption	130mA max.
Dimensions (L x W x H)	111 x 30.4 x 25.4 mm / 4.4" x 1.2" x 1"
Weight	91 g / 0.2 lbs (without bracket) 272 g / 0.6 lbs (with bracket)
Operating Temp.	-10°C ~ 50°C / 14°F ~ 122°F
Humidity	10% ~ 80% humidity

Dimensions



Ordering Information

- **EZ-VF325NH:** 1/3" 550 TVL, Mini Bullet, IP67, 4~9mm lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EM-C500NHWX

550 TVL Discreet Mini Cylinder Style Color Camera

CE

FCC

COLOR

NTSC, PAL

AWB

ON

ES

1/50 (1/60) ~ 1/100,000

BLC

ON/OFF

550

TVL

AGC

ON/OFF

IP67

Waterproof

POWER

12VDC

550

TVL



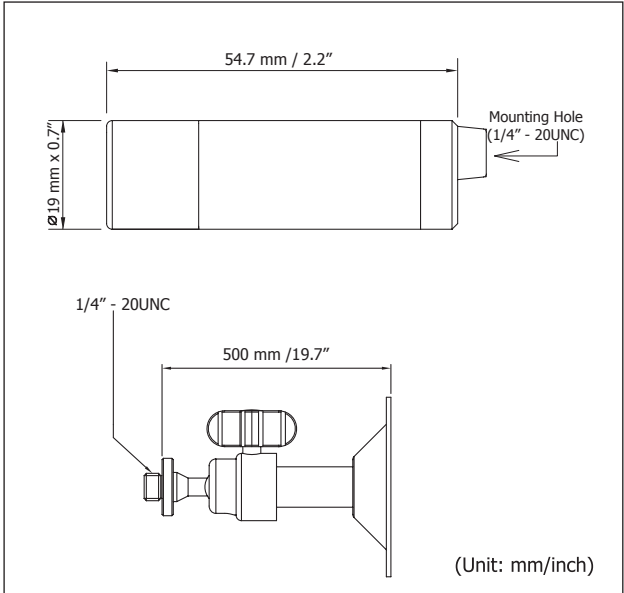
Features

- 1/3" Sony ICX638 Super HAD CCD
- 550 TVL of horizontal resolution
- Small cylinder style color camera with superior image
- 19mm / 0.75" in diameter
- Low light sensitivity of 0.2 Lux
- Low current consumption of 90mA max.
- Ideal for indoor or outdoor discreet surveillance
- IP67 rated

Specifications

Video Format	NTSC
Image Sensor	1/3" Sony ICX638 Super HAD CCD
Scanning System	2:1 Interlace
Scanning Frequency	H: 15.734 KHz, V: 59.94 Hz
Total Pixels	811 (H) x 508 (V), 401K
Effective Pixels	768 (H) x 494 (V), 380K
Horizontal Resolution	550 TVL
Electronic Shutter	1/60 ~ 1/100,000 sec. (auto)
S/N Ratio	Over 45 dB (AGC Off)
Video Output	BNC 1.0 Vp-p, 75 ohm
Gamma Correction	0.45
Sync. Mode	Internal Sync.
Backlight Comp.	Auto
Auto Gain Control	Auto
Sensitivity	0.2 Lux/F=2.0
Lens	3.6mm lens
Power Source	12VDC
Power Consumption	90mA max.
Dimensions (L x W x H)	54.7 x 19 x 19 mm / 2.2" x 0.75" x 0.75"
Weight	91 g / 0.2 lbs.
Operating Temp.	-10°C ~ 45°C / 14°F ~ 122° F
Storing Temp.	-20°C ~ 60°C / -4°F ~ 140°F

Dimensions



Ordering Information

- **EM-C500NHWX:** 550 TVL, Mini Cylinder Camera, IP67, 3.6mm lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EZ430

520 TVL IR Bullet Style Weatherproof Color Camera

CE

FCC

IP66

ES

AWB

BLC

Day/Night

Vandal Resistant

Heater

AGC

Weatherproof

520 TVL

Vari-Frequency

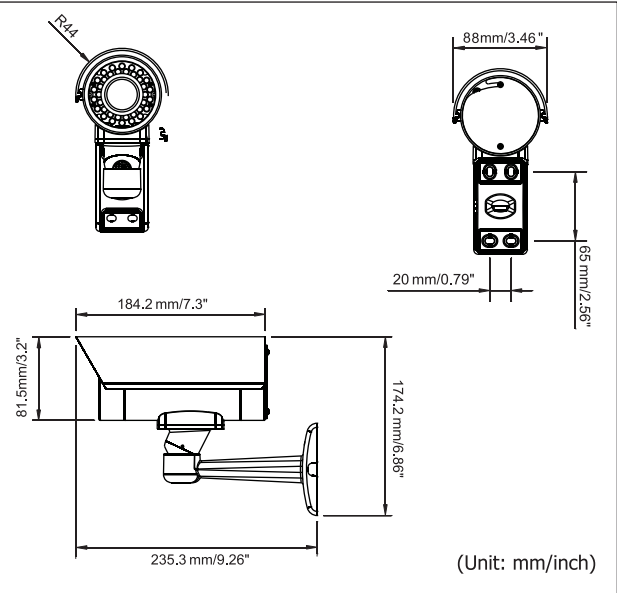
Outdoor



Features

- 520 TVL of excellent high resolution technology
- Motorized lens controller for easy zoom and focus lens adjustment
- Vari-focal lens to offer you a wide variety of angle viewing
- True Day/Night function with removable IR cut filter
- IRIS level adjustment
- Cable wires are placed inside camera bracket to eliminate messy wiring and damage
- Intelligent vari-frequency for IR control (brightness balance & energy saving)
- Split glass design to avoid LED light reflection
- Up to 30 meters/98 ft. of IR range
- Up to 20,000 hours of IR LED lifespan
- Vandal resistant for intentional destruction
- Weatherproof and IP66 rated

Dimensions



Specifications

Pickup Device	1/3" Sony Super HAD CCD
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec. PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Sensitivity	0.4 Lux / F=1.2 (IR OFF), 0 Lux (IR ON)
S/N Ratio	Over 48 dB (AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000
Lens Type	Vari-focal lens f=2.9~10mm , f=9~22mm
Backlight Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes (2500°K ~ 9000°K)
True Day/Night	Yes, with IR cut filter
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75ohm
Sync. Mode	Internal sync.
Power Source	12VDC/24VAC
Power Consumption	12VDC: 12W max. (Heater ON & IR LED ON) 24VAC: 15W max. (Heater ON & IR LED ON)
Dimensions (L x W x H)	235.3 x 88 x 174.2 mm / 9.26" x 3.46" x 6.86" (with bracket & sunshield)
Weight	1.15 kg / 2.53 lbs. (with bracket & sunshield)
Operating Temperature	-40°C ~ 50°C / -40°F ~ 122°F
Humidity	20% ~ 80% Humidity
IR Distance	30M / 98 ft.
IR Wavelength	850nm
IR LED Lifespan	20,000 hours
Weatherproof	IP66 rated
Vandal Resistant	Yes
Heater	Yes, built-in

Ordering Information

- **EZ430/MV3:** 520 TVL, Bullet IR, IP66, f=2.9~10mm lens
- **EZ430/MV2:** 520 TVL, Bullet IR, IP66, f=9~22mm lens

*Models vary in different countries. Please visit your EverFocus regional websites for detailed ordering information.

EBD430

1/3" CCD 3-Axis Outdoor IR Dome Camera with Vari-focal Lens

CE

FCC

IP66

COLOR

AWB

BLC

Day/Night

Vandal Resistant

AGC

Weatherproof

Vari-Frequency

Outdoor

Heater

ES

POWER

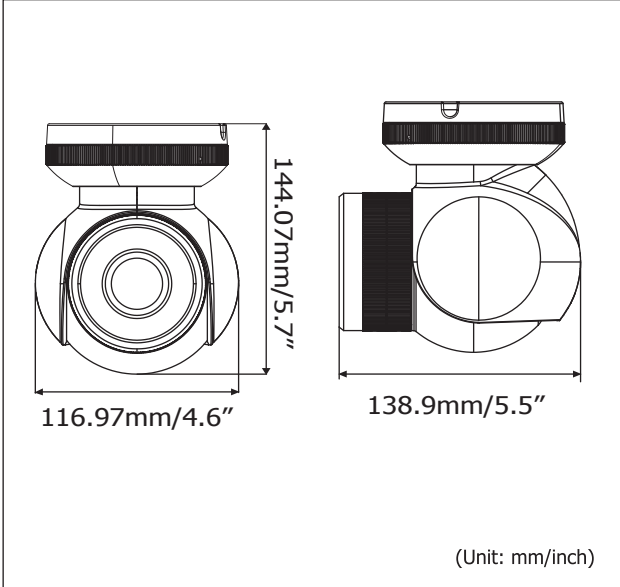
520 TVL



Features

- 520 TVL of excellent high resolution technology
- Low light sensitivity of 0.08 lux
- True Day/Night feature with removable IR cut filter
- 3-axis rotation for flexible angle viewing
- External lens control ring for zoom & focus adjustment
- Vari-focal lens for wide angle viewing
- Vari-frequency IR control to balance brightness & saves energy
- Split glass design to eliminate LED light reflection
- Up to 30 meters / 98 feet of IR range
- Up to 20,000 hours of IR LED lifespan
- Vandal resistant for intentional destruction
- Weatherproof and IP66 rated

Dimensions



Specifications

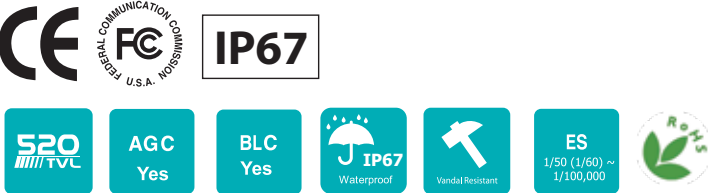
Pickup Device	1/3" Sony Super HAD CCD II
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TV lines, 60 fields/sec. PAL: 625 TV lines, 50 fields/sec.
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Sensitivity	0.08 Lux / F=1.2 (IR OFF, 0 Lux (IR ON)
S/N Ratio	Over 48 dB(AGC Off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000
Lens Type	Vari-focal lens, f=2.9~10mm, f=9~22mm
Backlight Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes (2500°K ~ 9000°K)
True Day & Night	Yes, with IR cut filter
Gamma Correction	0.45
Video Output	BNC 1.0Vp-p, 75ohm
Sync. Mode	Internal Sync.
Power Source	12VDC/24VAC
Power Consumption	12VDC: 9W max. (Heater On & IR LED On) 24VAC: 9.5W max. (Heater On & IR LED On)
Dimensions (W x H x D)	116.97 x 144.07 x 138.9 mm / 4.6" x 5.7" x 5.5"
Weight	1.3 kg / 2.87 lbs
Operating Temp.	-40°C ~ 50°C / -40°F~122°F
Humidity	20%~80%
IR Distance	30M / 98 ft.
IR Wavelength	850nm
IR LED Lifespan	Up to 20,000 hours
Vandal Resistant	Yes
Heater	Yes, built-in
Weatherproof	IP66 rated
Certifications	FCC/CE

Ordering Information

- **EBD430/MV2:** 520 TVL IR Outdoor Dome, 3-Axis, 98 ft. IR range, 2.9-10mm lens
- **EBD430/MV3:** 520 TVL IR Outdoor Dome, 3-Axis, 98 ft. IR range, 9-22mm lens

*Models vary in different countries. Please visit your EverFocus regional websites for detailed ordering information.

EMW330/330T
520 TVL IR Mobile Wedge Camera



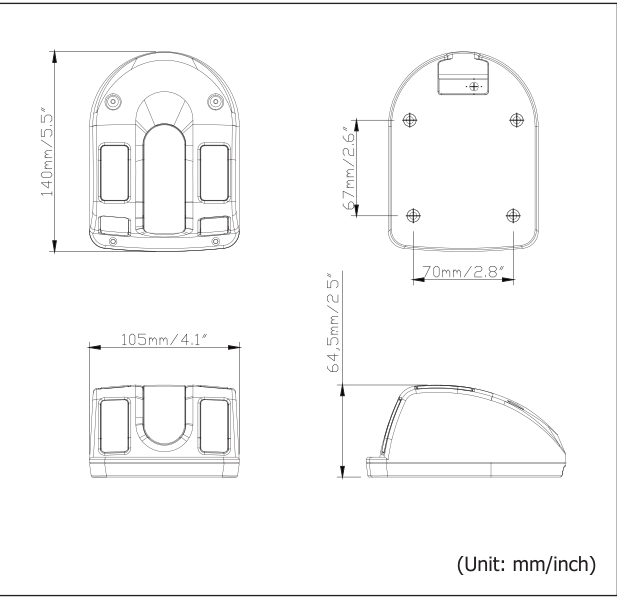
Features

- 520 TVL of excellent high resolution technology
- Streamline wedge chassis
- EMW330T with vari-focal lens to offer you a wide variety of angle viewing
- EMW330 with dual-position fixed lens
- Dual-position IR illuminators to provide clear images at up to 15 meters/50 feet away
- Supports side, rear, wall & ceiling mounts (brackets not required)
- Visible light sensor for day/night brightness detection
- Vandal resistant to withstand intentional destruction
- Waterproof IP67 rated
- Up to 15 meters/50 feet of IR range
- Up to 20,000 hours of IR LED lifespan

Specifications

Model	EMW330	EMW330T
Pickup Device	1/3" Sony Super HAD CCD	
Video Format	NTSC or PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec. PAL: 625 TVL, 50 fields/sec.	
Picture Format	768 x 494 (NTSC) / 752 x 582 (PAL)	
Horizontal Resolution	520 TVL	
Sensitivity	0.4 Lux/F=1.2 (IR Off), 0 Lux (IR On)	
S/N Ratio	Over 48 dB (AGC off)	
Electronic Shutter	1/50 (1/60) ~ 1/100,000	
Video Output	BNC 1.0Vp-p, 75 ohm	
Gamma Correction	0.45	
Lens Type	f=3.6, 4.3, 6, 8, 12 or 16 mm fixed lens options	Vari-focal f=2.9~10mm or f=9~22mm
Backlight Comp.	Yes	
Auto Gain Control	Yes	
Auto White Balance	Yes (2500K ~ 9000K)	
Sync. Mode	Internal Sync.	
Day/Night	IR Pass Filter	Auto IR Cut Filter
Day/Night Detection	Visible light sensor	
Built-in Heater	Yes	
IR LEDs	40 IR LEDs	
IR LED Lifespan	Up to 20,000 hours	
IR Distance	Up to 15 meters / 50 feet	
IR Wavelength	850 nm	
Viewing Direction	Dual-position (forward/downward)	Single-position (forward)
IR LED Direction	(forward/downward) (forward)	
Waterproof	IP67 rated	
Vandal Resistant	Yes	
Power Source	12VDC	
Power Consumption	8.4W max. (Heater On & IR LED On)	
Dimensions (W x D x H)	105 x 140 x 64 mm / 4.1" x 5.5" x 2.5"	
Weight	600g / 1.32 lbs	
Operating Temp.	-40°C ~ 60°C / -40°F ~ 140°F	
Mounting Options	Side, rear, wall or ceiling mount	
Certifications	CE/FCC	

Dimensions



*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ED335
1/3" CCD Indoor 3-Axis IR Dome Camera,
Vari-focal Lens with Surface or Flush Mount Capability



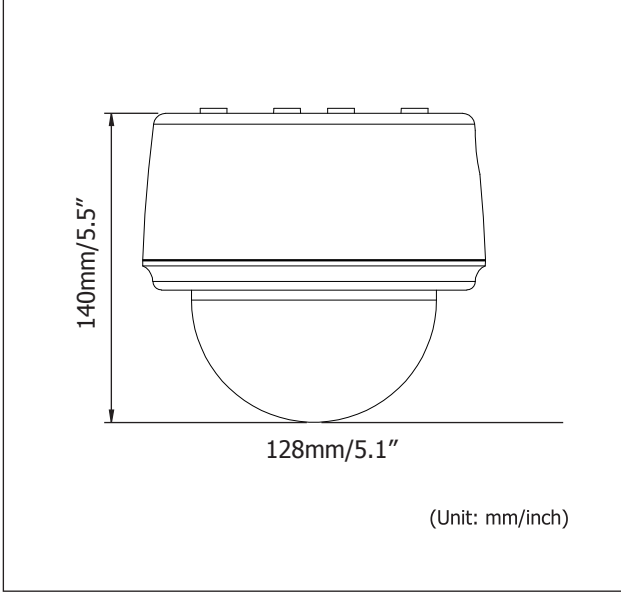
Features

- Designed with advanced digital signal processing circuitry for high image quality
- 520 TVL of excellent high resolution technology
- Designed with IR LEDs for day/night environment
- True day/night with IR cut filter
- IR distance up to 20M / 66 ft.
- Support ceiling (surface) and flush mount
- 3-Axis rotation for flexible viewing angle
- Built-in vari-focal, auto iris lens f=2.8~10mm, f=9~22mm
- 12VDC/24VAC Dual Voltage support
- High illuminating IR LED lights
- Up to 20,000 hours of LED lifespan

Specifications

Pickup Device	1/3" Sony Super HAD CCD
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TV lines, 60 fields/sec PAL: 625 TV lines, 50 fields/sec.
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	520 TVL
Sensitivity	0 Lux (IR LED on), 0.4 Lux/F=1.2 (AGC ON)
S/N Ratio	Over 48 dB (AGC off)
Electronic Shutter	1/50 (1/60) ~ 1/100,000
Lens Type	Vari-focal lens, Auto Iris f=2.8~10mm, f=9~22mm
Iris Level	Adjustable
Auto Gain Control	On
Backlight Comp.	Yes
Auto White Balance	Yes
Gamma Correction	0.45
True Day/Night	Yes, with IR cut filter
Video Output	2 Video outputs: 1. BNC 1.0Vp-p, 75 ohm 2. Additional testing video output 1.0Vp-p, 75ohm
Sync. Mode	Internal Sync.
Power Source	12VDC/24VAC
Power Consumption	12VDC: 6W max. / 24VAC: 6.5W max.
Operating Temp.	0°C~40°C ; 32°F~104°F (20%~80% Humidity)
Dimensions (W x H)	Surface Type: 140 x 128mm / 5.5"x 5.1" Ceiling Type: 140 x 68 mm / 5.5" x 2.7"
Weight	0.66 kg / 1.45 lbs
IR Distance	Up to 20M/66 feet
IR Wavelength	850nm
IR LED Lifespan	Up to 20,000 hours
Certifications	CE / FCC

Dimensions



*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ECZ330/ECZ230

Weatherproof Mini IR Bullet



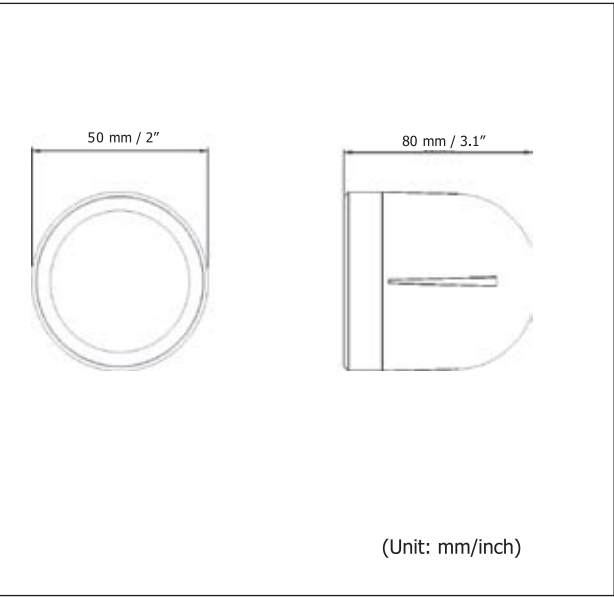
Features

- 1/3" Sony Interline Transfer Super HAD CCD
- Low light sensitivity of 0.4 Lux/F=1.2 (ECZ330) and 0.3 Lux/F=1.2 (ECZ230)
- 480 TVL (ECZ330) or 380 TVL (ECZ230) of horizontal resolution
- Electronic shutter and AGC allows camera to be operated in environments with various light levels
- IR Wavelength 850nm
- Vari-frequency IR control
- 50°~78° viewing angle
- 10~15 meters / 33~59 feet of IR range
- Compact size for discreet surveillance
- Weatherproof IP66 rated

Specifications

Model	ECZ330	ECZ230
Pickup Device	1/3" Sony Interline Transfer Super HAD CCD	
Video Format	NTSC or PAL	
Picture Format	768 x 494 (NTSC) 752 x 582 (PAL)	510 x 492 (NTSC) 500 x 582 (PAL)
Horizontal Resolution	480 TVL	380 TVL
Sensitivity	0.4 Lux/F=1.2 0 Lux (IR On)	0.3 Lux/F=1.2 0 Lux (IR On)
S/N Ratio	Over 48 dB (AGC off)	
Electronic Shutter	1/50 (1/60) ~ 1/100,000	
Backlight Comp.	On/Off Switch	
Auto Gain Control	On/Off Switch	
Auto White Balance	Yes	
Gamma Correction	0.45	
Video Output	BNC 1.0Vp-p,75 ohm	
Sync. Mode	Internal Sync.	
Lens	f=4.3mm, 6mm, 8mm lens	
IR Wavelength	850nm	
IR Viewing Angle	50° ~ 78° range	
IR Distance	10 ~ 15 meters / 33 ~ 59 feet	
Power Source	12VDC	
Power Consumption	3W max.	
Dimensions (W x H)	50 x 80 mm / 3.1" x 2"	
Weight	With bracket: 272 g / 0.6 lbs. Without bracket: 181 g / 0.4 lbs.	
Operating Temp.	-10°C ~ 50°C / 14°F ~ 122°F	
Humidity	20% ~ 80% humidity	
Weatherproof	IP66 rated	

Dimensions



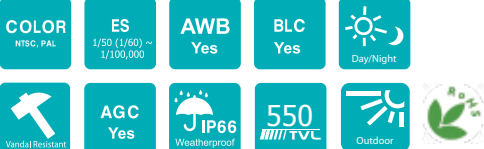
Ordering Information

- **ECZ330/N-4:** 1/3" 480 TVL, Mini IR Bullet, IP66, 4.3mm lens
- **ECZ330N/N-8:** 1/3" 480 TVL, Mini IR Bullet, IP66, 8mm lens
- **ECZ230/N-4:** 1/3" 380 TVL, Mini IR Bullet, IP66, 4.3mm lens
- **ECZ230N/N-8:** 1/3" 380 TVL, Mini IR Bullet, IP66, 8mm lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EHD-500IR

550 TVL IR Vandal Dome, 3-Axis Gimbals, Surface or Flush Mount Capabilities



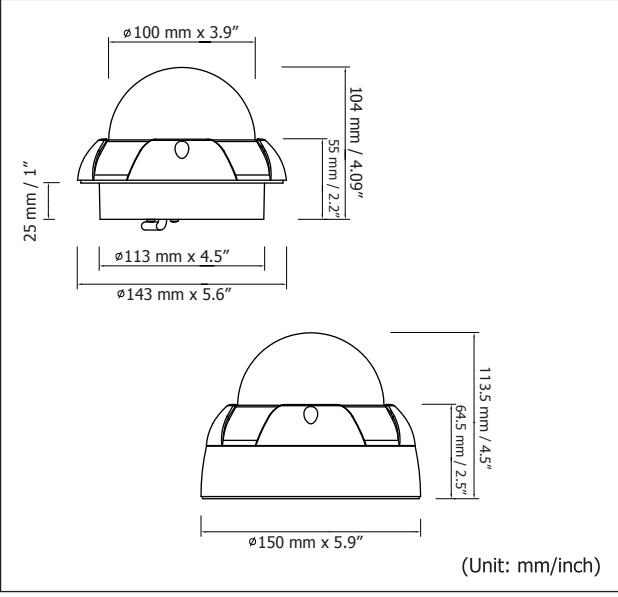
Features

- 1/3" Sony Super HAD CCD w/HQ1 Chipset
- 550 TVL of horizontal resolution
- 3-axis gimbals for desired viewing angle
- Low light sensitivity of 0.2 Lux/F=2.0 (LED Off)
- Weatherproof IP66 rated
- Up to 30 meters /100 feet of IR viewing range
- 30 high illuminating LEDs
- Surface or flush mount capabilities
- Vandal resistant to withstand intentional destruction
- Vari-focal 2.6~11mm lens
- Suitable for any outdoor surveillance application

Specifications

Video Format	NTSC
Picture Element	NTSC: 768 (H) x 494 (V)
Image Sensor	1/3" Sony Super HAD CCD w/HQ1 Chipset
Horizontal Resolution	550 TVL
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec. (Auto)
Scanning System	2:1 Interlace
S/N Ratio	Over 45 dB
Sensitivity	0.2 Lux/F = 2.0 (0 Lux/IR On)
Auto White Balance	Yes, (Push/ATW)
Auto Gain Control	Min./Max.
Flickerless	On/Off
Gamma Correction	0.45
Sync Mode	Internal Sync.
IR LED	30 high LEDs
IR Half Angle	Angle ± 30°
IR Wavelength	850 nm
IR Distance	Up to 30 meters / 100 feet
Lens	Vari-focal 2.6~11mm lens (DC Iris/Mechanical IR Cut Filter Removal)
Power Source	12VDC/24VAC
Power Consumption	12VDC: 730mA max. (IR LED On) 24VAC: 500mA max. (IR LED On)
Dimensions (W x H)	Surface Type: 150 x 113.5 mm / 5.9" x 4.5" Flush Type: 143 x 104 mm / 5.6" x 4"
Operating Temp.	-10°C ~ 45°C / 14°F ~ 113° F
Weatherproof	IP66 Rated
Mount Surface	Mount bracket included

Dimensions



Ordering Information

- **EHD500IR:** 550 TVL Vandal IR Dome, 3-axis gimbals, 2.6~11mm lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EZ330E/EZ335E

520 TVL Outdoor Weatherproof
Long Range IR Bullet Camera

CE

FCC

IP66

COLOR

NTSC, PAL

ES

1/50 (1/60) ~ 1/100,000

AWB

Yes

BLC

Yes

Day/Night

Heater

Outdoor

Vandal Resistant

Cable Management Solution

AGC

Yes

IP66

Weatherproof

520 TVL

Vari-Frequency

Green



Features

- 520 TVL of horizontal resolution
- Cable wires are placed inside camera housing & bracket to eliminate messy wiring and prevents wire damage
- 35 powerful LEDs for long range illumination
- Zero color rolling, low smear
- IR viewing angle: 80° ~ 100°
- Up to 30M/98 ft. (EZ330E), 50M/164 ft. (EZ335E) of IR distance
- Up to 20,000 hours of IR LED lifespan
- IR wavelength: 850nm
- IP66 rated and built-in heater to endure all weather conditions
- Tamper and vandal resistant to withstand intentional destruction
- Patent pending housing & bracket design
- Includes pedestal type mounting arm accessory
- Suitable for any outdoor surveillance application

Specifications

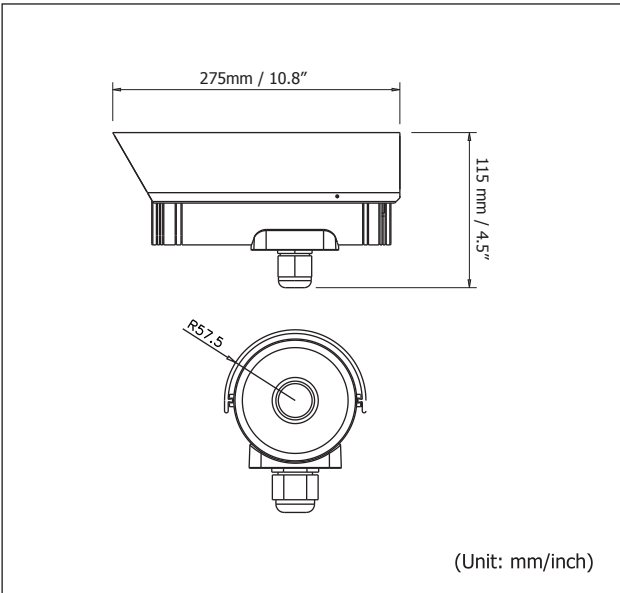
Product Model	EZ330E	EZ335E
Pickup Device	1/3" Sony Interline Transfer Super HAD CCD	
Video Format	NTSC or PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec. PAL: 625 TVL, 50 fields/sec.	
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)	
Horizontal Resolution	520 TVL	
Sensitivity	0.4 Lux/F=1.2 (AGC On), 0 Lux (IR On)	
S/N Ratio	Over 48 dB (AGC Off)	
Electronic Shutter	1/50 (1/60) ~ 1/100,000	
Backlight Comp.	On/Off Switch	
Auto Gain Control	On/Off Switch	
Auto White Balance	Yes	
Gamma Correction	0.45	
Video Output	BNC 1.0Vp-p,75 ohm	
Sync. Mode	Internal Sync.	
Lens Type	6mm, 8mm lens	8mm, 16mm, 25mm lens
IR Distance	30 meters / 98 ft.	50 meters / 164 ft.
IR Wavelength	850nm	
IR LED Lifespan	Up to 20,000 hours	
Power Source	24VAC	
Power Consumption	16W max.	
Dimensions (L x H)	275 x 115 mm / 10.8" x 4.5"	
Weight	1.8 kg / 4 lbs (without bracket) 2.2 kg / 4.8 lbs (with bracket)	
Operating Temp.	-40°C ~ 50°C / -40°F ~ 122°F	
Humidity	20% ~ 80% humidity	
Weatherproof	IP66 rated	
Heater	Yes, built-in	
Vandal Resistant	Yes	

Ordering Information

- **EZ330E/C6:** 520 TVL, f=6mm, 24VAC, IR 98 ft.
- **EZ330E/C8:** 520 TVL, f=8mm, 24VAC, IR 98 ft.
- **EZ335E/C8:** 520 TVL, f=8mm, 24VAC, IR 164 ft.
- **EZ335E/C16:** 520 TVL, f=16mm, 24VAC, IR 164 ft.

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

Dimensions



EZ230E/EZ235E

380 TVL Outdoor Weatherproof
Long Range IR Bullet Camera

CE

FCC

IP66

COLOR

NTSC, PAL

ES

1/50 (1/60) ~ 1/100,000

AWB

Yes

BLC

Yes

Day/Night

Heater

Outdoor

Vandal Resistant

Cable Management Solution

AGC

Yes

IP66

Weatherproof

380 TVL

Vari-Frequency

Green



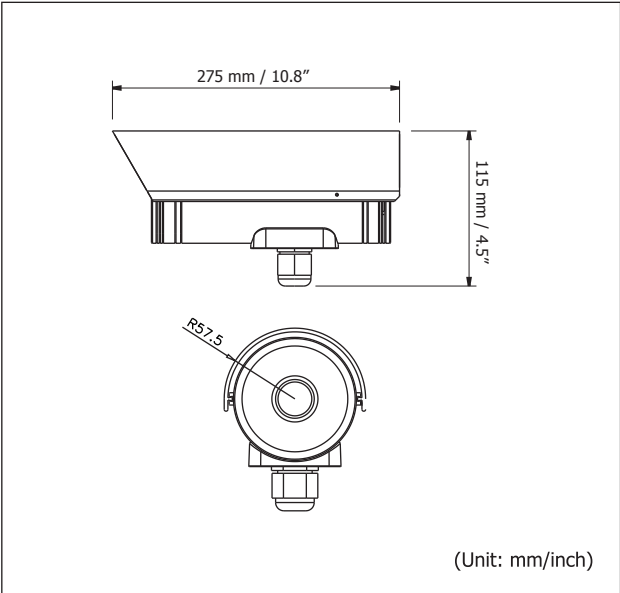
Features

- 380 TVL of horizontal resolution
- Cable wires are placed inside camera housing & bracket to eliminate messy wiring and prevents wire damage
- 35 powerful LEDs for long range illumination
- Zero color rolling, low smear
- IR viewing angle: 80° ~ 100°
- Up to 30M/98 ft. (EZ230E), 50M/164 ft. (EZ235E) of IR distance
- Up to 20,000 hours of IR LED lifespan
- IR wavelength: 850nm
- IP66 rated and built-in heater to endure all weather conditions
- Tamper and vandal resistant to withstand intentional destruction
- Patent pending housing & bracket design
- Includes pedestal type mounting arm accessory

Specifications

Product Model	EZ230E	EZ235E
Pickup Device	1/3" Sony Interline Transfer Super HAD CCD	
Video Format	NTSC or PAL	
Picture Elements	510 x 492 (NTSC) / 500 x 582 (PAL)	
Horizontal Resolution	380 TVL	
Sensitivity	0.3 Lux/F=1.2 (AGC On), 0 Lux (IR On)	
S/N Ratio	Over 48 dB (AGC Off)	
Electronic Shutter	1/50 (1/60) ~ 1/100,000	
Backlight Comp.	On/Off Switch	
Auto Gain Control	On/Off Switch	
Auto White Balance	Yes	
Gamma Correction	0.45	
Video Output	BNC 1.0Vp-p,75 ohm	
Sync. Mode	Internal Sync.	
Lens Type	6mm, 8mm lens	8mm, 16mm, 25mm lens
IR Distance	30 meters / 98 feet	50 meters / 164 feet
IR Wavelength	850nm	
IR LED Lifespan	Up to 20,000 hours	
Power Source	24VAC	
Power Consumption	16W max.	
Dimensions (L x H)	275 x 115 mm / 10.8" x 4.5"	
Weight	1.8 kg / 4 lbs (without bracket) 2.2 kg / 4.8 lbs (with bracket)	
Operating Temp.	-40°C ~ 50°C / -40°F ~ 122°F	
Humidity	20% ~ 80% humidity	
Weatherproof	IP66 rated	
Heater	Yes, built-in	
Vandal Resistant	Yes	

Dimensions



Ordering Information

- **EZ230E/C6:** 380 TVL, Long Range IR Bullet, 6mm lens, 90+ ft. IR Range
- **EZ230E/C8:** 380 TVL, Long Range IR Bullet, 8mm lens, 90+ ft. IR Range
- **EZ235E/C8:** 380 TVL, Long Range IR Bullet, 8mm lens, 160+ ft. IR Range
- **EZ235E/C16:** 380 TVL, Long Range IR Bullet, 16mm lens, 160+ ft. IR Range
- **EZ235E/C25:** 380 TVL, Long Range IR Bullet, 25mm lens, 160+ ft. IR Range

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ED330/ED230

Indoor Mini IR Dome



COLOR
NTSC, PAL

ES
1/50 (1/60) ~
1/100,000

AWB
Yes

BLC
Yes

AGC
YES

IR

380
TVL

480
TVL

POWER
12VDC



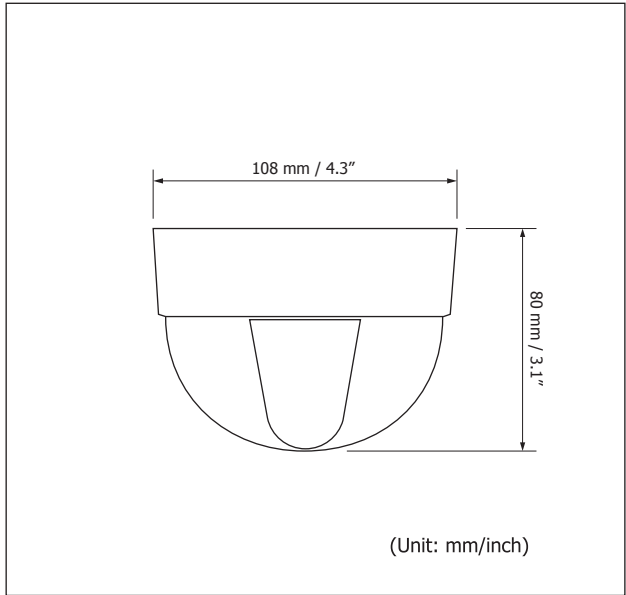
Features

- 1/3" Sony Interline Transfer Super HAD CCD
- 380 TVL (ED230) / 480 TVL (ED330)
- Special optical low pass filter (inside) for high IR response
- Low light sensitivity of 0.4 Lux/F=1.2 (ED330) and 0.3 lux/F=1.2 (ED230)
- Automatically switches to black & white image when light level falls below 1 Lux
- Angle View: 75° range
- IR Distance: 13 meters / 45 feet
- Compact size for discreet surveillance
- Suitable for any indoor IR surveillance

Specifications

Model	ED330	ED230
Pickup Device	1/3" Sony Interline Transfer Super HAD CCD	
Video Format	NTSC or PAL	
Picture Format	768 x 494 (NTSC) 752 x 582 (PAL)	510 x 492 (NTSC) 500 x 582 (PAL)
Horizontal Resolution	480 TVL	380 TVL
Sensitivity	0.4 Lux/F=1.2 0 Lux (IR On)	0.3 Lux/F=1.2 0 Lux (IR On)
S/N Ratio	Over 48 dB	
Electronic Shutter	1/50 (1/60) ~ 1/100,000	
Backlight Comp.	On/Off Switch	
Auto Gain Control	On/Off Switch	
Auto White Balance	Yes	
Gamma Correction	0.45	
Video Output	BNC 1.0Vp-p,75 ohm	
Sync. Mode	Internal Sync.	
Lens	f=4.3mm lens	
IR Wavelength	850nm	
IR Viewing Angle	75° range	
IR Distance	13 meters / 45 ft.	
Power Source	12VDC	
Power Consumption	200mA (IR On), 100mA (IR Off)	
Dimensions (W x H)	108 x 80 mm / 4.3" x 3.1"	
Weight	181 g / 0.4 lbs.	
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F	
Humidity	20% ~ 80% humidity	

Dimensions



Ordering Information

- **ED230/N-4B:** 380 TVL Black Mini Indoor IR Dome, 4.3mm lens
- **ED230/N-4W:** 380 TVL White Mini Indoor IR Dome, 4.3mm lens
- **ED330/N-4B:** 480 TVL Black Mini Indoor IR Dome, 4.3mm lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EM-500NHP4/EM-500NHP3/EM-500NHP1

550 TVL Discreet Metal Case Color Camera

COLOR
NTSC, PAL

AWB
ON

ES
1/50 (1/60) ~
1/100,000

POWER
12VDC

550
TVL

AGC
ON/OFF

BLC
ON/OFF



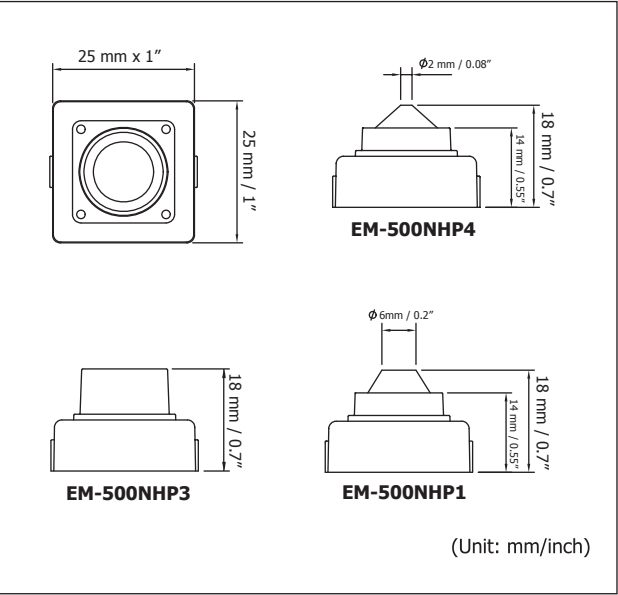
Features

- 1/3" Sony ICX638 Super HAD CCD
- 550 TVL of horizontal resolution
- Low light sensitivity of 0.2 Lux/F=2.0
- Low current consumption of 90mA
- Less than 25x25 mm / 1" x 1"
- Mini metal case camera suitable for indoor covert use or very discreet surveillance
- Choose from 3.7mm conical or flat pinhole, or 4.3mm super cone pinhole lens
- Includes camera bracket

Specifications

Product Model	EM-500NHP4	EM-500NHP3	EM-500NHP1
Pickup Device	1/3" Sony ICX638 CCD		
Video Format	NTSC		
Picture Elements	768 x 494 (NTSC)		
Total Pixels	811 x 508, 410K		
Horizontal Resolution	550 TVL		
Scanning System	2:1 Interlace		
Scanning Frequency	H: 15.734 KHz, V: 59.94 Hz		
Sensitivity	0.2 Lux/F=2.0 (30 IRE)		
S/N Ratio	Over 45 dB (AGC Off)		
Electronic Shutter	1/60 ~ 1/100,000		
Backlight Comp.	Auto		
Auto Gain Control	Auto		
Gamma Correction	0.45		
Video Output	BNC 1.0Vp-p,75 ohm		
Sync. Mode	Internal Sync.		
Lens Type	4.3mm Super Cone Pinhole Lens	3.7mm Flat Pinhole lens	3.7mm Conical Pinhole Lens
Power Source	12VDC		
Power Consumption	90mA max.		
Dimensions (W x H)	25 x 25 mm / 1" x 1"		
Weight	32 g / 0.07 lbs		
Operating Temp.	-10°C ~ 45°C / 14°F ~ 113°F		
Storage Temp.	-20°C ~ 60°C / -4°F ~ 140°F		

Dimensions





Ordering Information

- **EM-500NHP4:** 550 TVL, Mini Metal Case Color Camera, 4.3mm Super Cone Pinhole Lens
- **EM-500NHP3:** 550 TVL, Mini Metal Case Color Camera, 3.7mm Flat Pinhole Lens
- **EM-500NHP1:** 550 TVL, Mini Metal Case Color Camera, 3.7mm Conical Pinhole Lens

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EM200

380 TVL Metal Case Color Camera



COLOR
NTSC, PAL

ES
1/50 (1/60) ~
1/100,000


BLC
Yes

AGC
Yes

POWER
12VDC

AWB
Yes

380
TVL





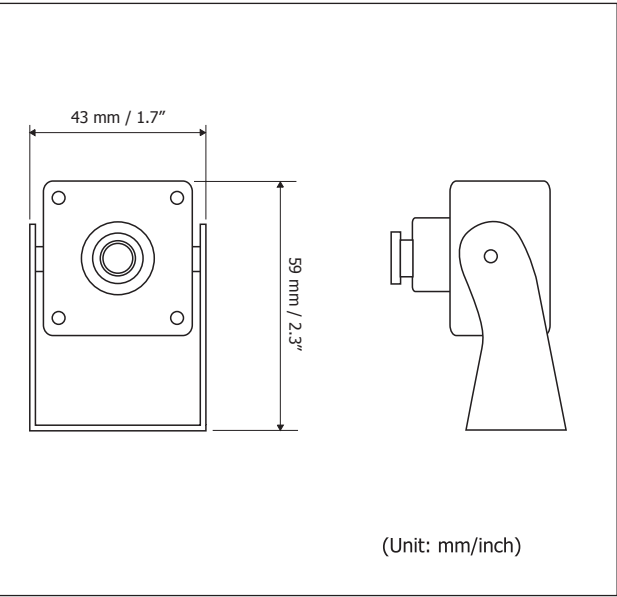
Features

- 1/3" Sony Interline Transfer Super HAD CCD
- Standard resolutions of 380 TVL
- Light sensitivity of 0.3 Lux/F=1.2
- Electronic shutter and AGC allows camera to be operated in environments with various light levels
- Mini metal case camera suitable for any indoor covert use or very discreet surveillance
- Standard 3.6mm lens (also available in 2.5mm, 4.3mm, 6mm, 8mm, 12mm and 16mm lens)

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	510 x 492 (NTSC) / 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Backlight Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Gamma Correction	0.45
Lens	Standard board lens f=3.6mm, F=2.0 (Optional lens: 2.5mm, 4.3mm, 6mm, 8mm, 12mm and 16mm)
Power Source	12VDC +/- 10%, 200mA
Power Consumption	200mA max.
Dimensions (W x H)	43 x 59 mm / 1.7" x 2.3"
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity
Weight	136 g / 0.3 lbs

Dimensions



(Unit: mm/inch)

Ordering Information

- **EM200/N-3:** 1/3" Metal Case Color Camera, 380 TVL, 3.6mm lens



*Also available with 2.5mm, 4.3mm, 6mm, 8mm, 12mm and 16mm lens

**To order, replace the last number with the first digit(s) of the desired lens. (e.g. 2.5mm = EM200/N-2, 6mm = EM200/N-6)

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EB200

380 TVL Color Camera Module



COLOR
NTSC, PAL

ES
1/50 (1/60) ~
1/100,000


BLC
Yes

AGC
Yes

POWER
12VDC

AWB
Yes

380
TVL





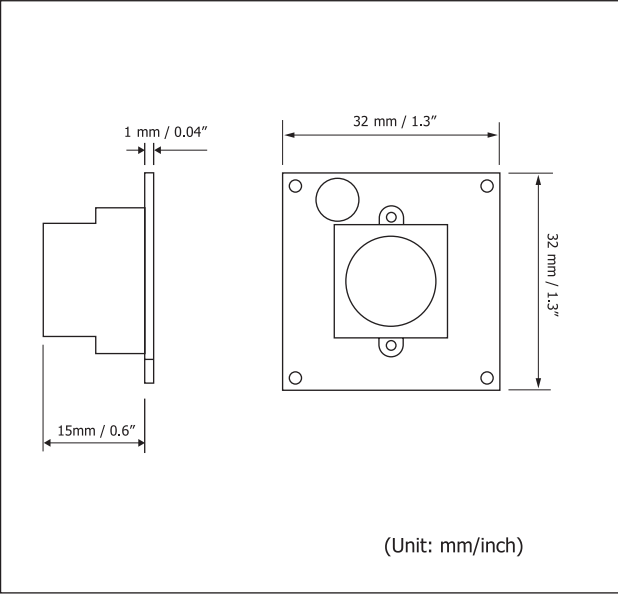
Features

- 1/3" Sony Interline Transfer Super HAD CCD
- Standard resolutions of 380 TVL
- Light sensitivity of 0.3 Lux/F=1.2
- Electronic shutter and AGC allows camera to be operated in environments with various light levels
- Camera module suitable for covert housing
- Small Size: 1.3" x 1.3"
- Standard 3.6mm lens (also available in 2.5mm, 4.3mm, 6mm, 8mm, 12mm and 16mm lens)

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	510 x 492 (NTSC) / 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Backlight Comp.	Yes
Auto Gain Control	Yes
Auto White Balance	Yes
Gamma Correction	0.45
Lens	Standard board lens f=3.6mm, F=2.0 (Optional lens: 2.5mm, 4.3mm, 6mm, 8mm, 12mm and 16mm)
Power Source	12VDC +/- 10%, 200mA
Power Consumption	200mA max.
Dimensions (W x H)	33 x 33 mm / 1.3" x 1.3"
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity
Weight	45 g / 0.1 lbs

Dimensions



(Unit: mm/inch)

Ordering Information

- **EB200/N-3:** 1/3" Color Camera Module, 380 TVL, 3.6mm lens

*Also available with 2.5mm, 4.3mm, 6mm, 8mm, 12mm and 16mm lens

**To order, replace the last number with the first digit(s) of the desired lens (e.g. 2.5mm lens = EB200/N-2, 6mm = EB200/N-6)

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ESD200
Covert (Fake Smoke Detector) Color Camera



COLOR

NTSC, PAL

ES

1/50 (1/60) ~ 1/100,000

AWB

Yes

BLC

Yes

AGC

Yes

POWER

12VDC

Indoor

380

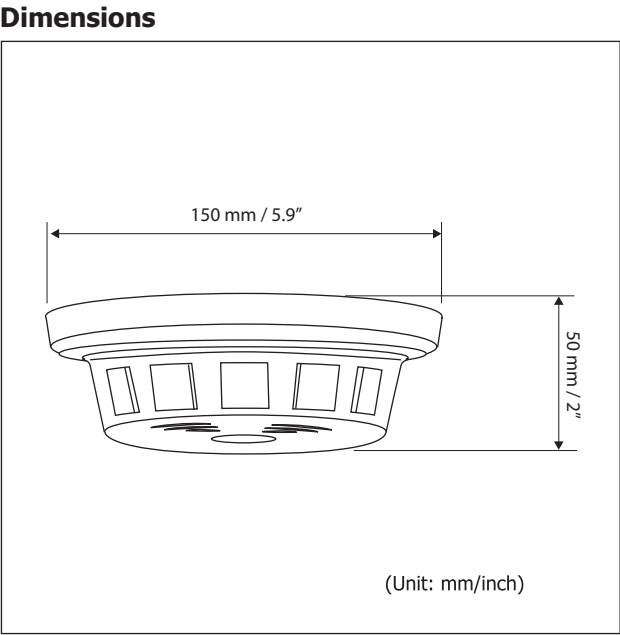
TVL



- Features**
- 1/3" Sony Interline Transfer Super HAD CCD
 - Fake smoke detector housing for covert surveillance
 - High sensitivity of 0.3 Lux/F=1.2
 - Electronic shutter & AGC feature allows the camera to be operated in various light levels
 - Can accommodate up to 2 color camera modules for an effective 360° view of a room

Specifications

Pickup Device	1/3" Sony Interline Transfer Super HAD CCD
Video Format	NTSC or PAL
Picture Format	510 x 492 (NTSC) / 500 x 582 (PAL)
Horizontal Resolution	380 TVL
Video Output	BNC 1.0 Vp-p, 75 ohm
Sensitivity	0.3 Lux/F=1.2
S/N Ratio	Over 48dB (AGC On)
Electronic Shutter	1/50 (1/60) ~ 1/100,000 sec.
Backlight Comp.	On/Off Switch
Auto Gain Control	On/Off Switch
Auto White Balance	Yes
Gamma Correction	0.45
Lens	Standard board lens f=4.3mm/F=2.0
Power Source	12VDC
Power Consumption	100mA max.
Dimensions (W x H)	150 x 50 mm / 5.9" x 2"
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Humidity	20% ~ 80% humidity
Weight	318 g / 0.7 lbs



- Ordering Information**
- **ESD200/N-4:** 1/3" 380 TVL, Covert Fake Smoke Detector Color Camera, 4.3mm lens
 - **ESB200/N-4:** Additional Color Camera, 4.3mm lens

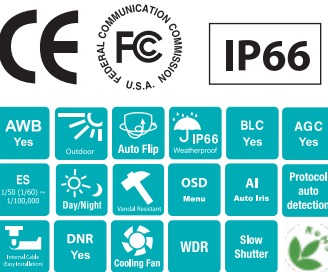
*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.



PTZ Cameras

EPTZ3600

530 TVL Outdoor PTZ with Wide Dynamic Range and True Day/Night (36x Optical Zoom)



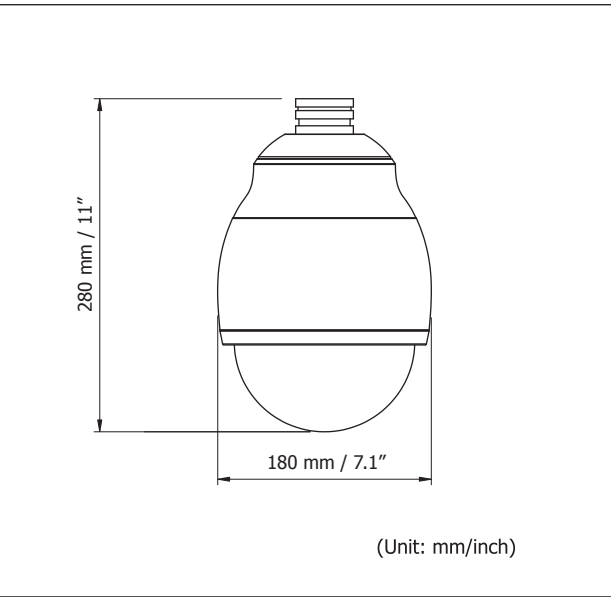
Features

- 530 TVL for horizontal resolution
- True Day/Night with IR cut filter
- Wide Dynamic Range for surveillance with extreme lighting conditions to eliminate washed out images
- Light sensitivity of 1.4 Lux, 0.01 Lux in night mode
- Improve image quality in scenes consisting of bright and dark area
- Auto switch color to black/white to enhance light sensitivity at night or in low light conditions
- Auto flip 180° rotation for continuous viewing of subject
- Auto iris adjusts the monitoring image to the best brightness
- Integrated privacy zone masking feature
- 4 alarm inputs, 2 alarm outputs
- Built-in cooling fan to prevent overheating
- Weatherproof IP66 rated to endure all weather conditions
- Mounting brackets sold separately (see PTZ Accessories for details)

Specifications

Pickup Device	1/4" Sony ExView Super HAD CCD
Video Format	NTSC or PAL
Scanning System	NTSC: 525 TVL, 60 fields/sec. PAL: 625 TVL, 50 fields/sec.
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)
Horizontal Resolution	530 TVL
Sensitivity	Normal: 1.4 Lux/ 1/60(1/50) second Night Mode: 0.01 Lux/ 1/4(1/3) second (IRC On)
S/N Ratio	50 dB
Video Output	BNC 1.0Vp-p / 75 ohm
Electronic Shutter	1/60 (1/50) ~ 1/10,000 (NTSC/PAL)
Digital Slow Shutter	60x (50x for PAL)
Shutter Selection	AUTO/A.FLK/Manual (1~1/10000) selectable
Lens Type	f=3.4 mm (wide) to 122.4mm (tele), F1.6 to F4.5
Zoom Ratio	432x zoom max. (36x Optical and 12x Digital)
True Day/Night	Yes (Auto/Day/Night)
Backlight Comp.	Yes (Off/On)
Auto Gain Control	Yes (Auto/Manual)
Wide Dynamic Range	Yes (Off/On)
White Balance	Auto (Indoor/Outdoor)
Motion Detection	Yes (4 zones)
Privacy Zone Masking	Yes (8 zones)
Gamma Correction	0.45
Sync. Mode	Internal
Focus Control	One push/Auto/Manual
Horizontal Rotation Speed	0.01°/s~360°/s (1~255 grade shift gears)
Horizontal Rotation Range	360° unlimited rotation
Tilt Rotation Range	180° pendulum motion
Auto Zoom Speed Control	Automatic, according to the zoom length
Auto Pan	2 point scanning, can set freely
Auto Pan speed	1~255 grade available
Dwell time (2 points)	1~99 second available
Preset Position	192 positions
Running to Position Speed	1~255 grade available (0.01°/s - 360°/s)
Dwell Time	1~99 available (at preset position)
Tour	16 groups
Tour Point Per Group	16 preset positions
Pattern	4 patterns with 90 seconds long
Fan	Yes, automatic
Position Accuracy	±0.1°
Alarm	4 in, 2 out with tour/position auto triggering
Communication	RS-485
Communication Speed	1200/2400/4800/9600bps
Built-in Protocols	EVF-1, Pelco-P, Pelco-D, A-Type, Plus-D, AUTO, Panasonic (Plus-D supports all other brands, equivalent to Pelco-D)
Edit Address	Yes (through DIP switch)
Speed Dome Address	0-255
Manual Pan/Tilt Speed	Pan: 0.01° ~ 180°/s, Tilt: 0.01° ~ 180°/s
Safety	CE, FCC
Power Source	24VAC
Power Consumption	21W max.
Operating Temperature	-40°C ~ 50°C / -40°F ~ 122°F ≤ 95%
Dimensions (W x H)	180 x 280 mm / 7.1" x 11"
Weight	3 kg / 6.6 lbs
Environmental Rating	Weatherproof IP66 rated

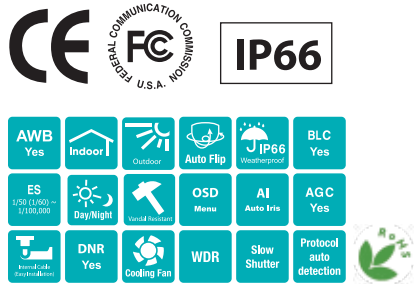
Dimensions



(Unit: mm/inch)

EPTZ3100/EPTZ3100i

520 TVL Outdoor/Indoor PTZ with Wide Dynamic Range and True Day/Night (30x Optical Zoom)



EPTZ3100 Outdoor PTZ with Wall Mount



EPTZ3100i Indoor PTZ with Concrete Ceiling Mount

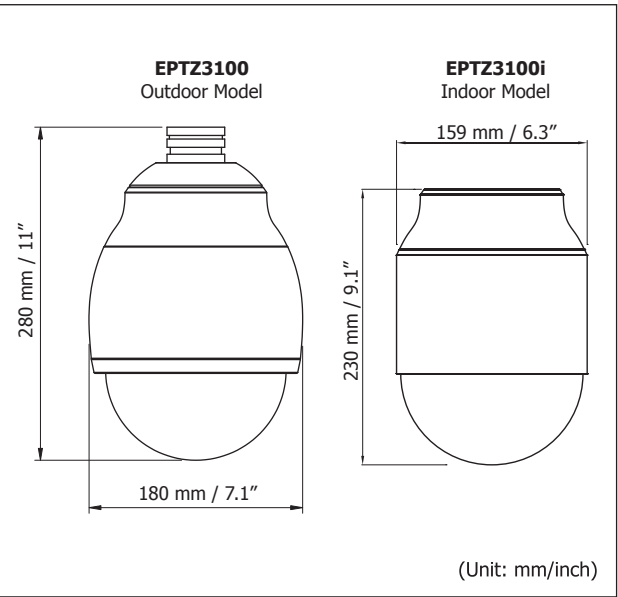
Features

- 520 TVL for horizontal resolution
- True Day/Night with IR cut filter
- Wide Dynamic Range for surveillance with extreme lighting conditions to eliminate washed out images
- Improve image quality in scenes consisting of bright & dark area
- Light sensitivity of 0.4 Lux, 0.08 Lux (ICR On)
- Auto switch color to black & white to enhance light sensitivity at night or in low light conditions
- 192 preset positions available
- 16 cruise tour sets (each tour contains up to 16 positions)
- Running to position speed: 0.01° ~ 360°/second
- 4 alarm inputs, 2 alarm outputs
- Built-in cooling fan to prevent overheating
- Weatherproof IP66 rated to endure all weather conditions (EPTZ3100 only)
- Available in indoor or outdoor mode
- Mounting brackets sold separately (see PTZ Accessories for details)

Specifications

Product Model	EPTZ3100 (Outdoor)	EPTZ3100i (Indoor)
Pickup Device	1/4" Sony Interline Transfer Super HAD CCD	
Video Format	NTSC or PAL	
Scanning System	NTSC: 525 TVL, 60 fields/sec. PAL: 625 TVL, 50 fields/sec.	
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)	
Horizontal Resolution	520 TVL	
Sensitivity	Normal: 0.4 Lux/F1.6 Night Mode: 0.08 Lux/F1.6 (ICR On)	
S/N Ratio	50 dB	
Video Output	BNC 1Vp-p / 75 ohm	
Sync. Mode	Internal	
Electronic Shutter	128x ~ 1/60 (1/50) ~ 1/120,000 (NTSC/PAL)	
Digital Slow Shutter	128x	
Shutter Selection	AUTO/A.FLK/Manual: 128x~1/60 (1/50)~1/120,000	
Lens Type	f=3.3 mm (wide) to 99 mm (tele), F1.6 to F3.2	
Zoom Ratio	240x zoom max. (30x Optical and 8x Digital)	
True Day/Night	Yes (Auto/Day/Night)	
Backlight Comp.	Yes (Off/Low/Mid/High)	
Auto Gain Control	Yes (Off/Low/Mid/High)	
Wide Dynamic Range	Yes (Off/Low/Mid/High)	
White Balance	Indoor/Outdoor/MAN5100K/MAN3200K/MAN2000k/One Push	
Motion Detection	Yes (Off/On)	
Privacy Masking	Yes (8 zone)	
Gamma Correction	0.45	
Focus Control	One Push/Auto/Manual	
Horizontal Rotation Speed	0.01°/s~360°/s (1~255 grade shift gears)	
Horizontal Rotation Range	360° unlimited rotation	
Tilt Rotation Range	180° pendulum motion	
Auto Zoom Speed Control	Automatic, according to the zoom length	
Auto Pan	2 point scanning, can set freely	
Auto Pan speed	1~255 grade available (0.01°/s~360°/s)	
Dwell time (2 points)	1~99 seconds available	
Preset Position	192 positions	
Running to Position Speed	1~255 grade available (0.01°/s~360°/s)	
Dwell Time	1~99 seconds available (at preset position)	
Tour	16 groups	
Tour Point Per Group	16 preset positions	
Pattern	4 patterns with 90 sec. long each	
Fan	Yes, automatic	
Position Accuracy	±0.1°	
Alarm	4 in, 2 out with tour/position auto triggering	
Communication	RS-485	
Communication Speed	1200/2400/4800/9600bps	
Built-in Protocols	EVF-1, Pelco-P, Pelco-D, A-Type, Plus-D, AUTO, Panasonic (Plus-D supports all other brands, equivalent to Pelco-D)	
Edit Address	Yes (through DIP switch)	
Speed Dome Address	0-255	
Manual Pan/Tilt Speed	Pan: 0.01° ~ 180°/s, Tilt: 0.01° ~ 180°/s	
Safety	CE, FCC	
Power Source	24VAC	
Power Consumption	21W max.	
Operating Temperature	-40°C ~ +50°C / -40°F ~ 122°F ≤ 95%	-10°C ~ +50°C / 14°F ~ 122°F ≤ 85%
Dimensions (W x H)	180 x 280 mm / 7.1" x 11"	159 x 230 mm / 6.3" x 9.1"
Weight	3 kg / 6.6 lbs	
Environmental Ratings	Weatherproof IP66 rated	N/A

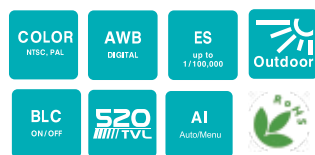
Dimensions



(Unit: mm/inch)

EPTZ3000

Outdoor PTZ with Wide Dynamic Range, Day/Night (30x Optical Zoom)



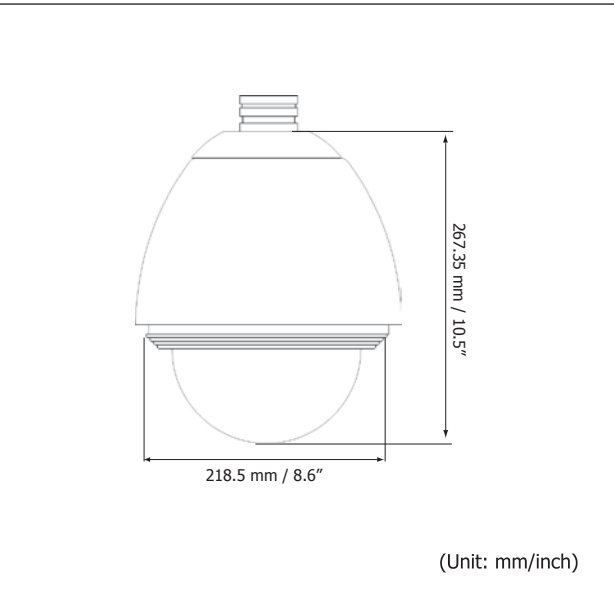
Features

- 520 TVL (Color) / 570 TVL (Black and White)
- Day/Night function
- Wide Dynamic Range for surveillance with extrem lighting conditions
- Improve image quality in scenes consisting of bright & dark area
- White balance function creates natural shades of color
- Auto switch color to black & white to enhance light sensitivity at night or in low light conditions
- Auto flip 180° rotation for continuous viewing
- Auto iris adjusts the monitoring image to the best brightness
- Integrated privacy zone masking feature
- Built-in heater and fan to tolerate low temperature
- Weatherproof IP66 rated to endure all weather conditions

Specifications

Image Device	1/4" Samsung Vertical Double Density Interline CCD
Zoom Ratio	30x Optical (8x Digital Zoom)
Lens	f=4.1mm (Wide) ~ 73.8mm (tele)
Horizontal Resolution	520 TVL Color / 570 TVL B/W
Video Format	768x494 NTSC
Video Output	1.0 + 0.2 V p-p
S/N Ratio	Over 50 dB
Iris	Auto/Manual
Focus	Auto/Manual
Backlight Comp.	OSD Setting
Auto Gain Control	OSD Setting
Auto White Balance	Yes
Gamma Correction	0.45
Sync. Mode	Internal/Line Lock
Fan/Heater	Yes/Yes, automatic
Receiver	Built-in
Motor	Stepping Motor
Sensitivity	Color: 0.3 Lux/F=1.6 (50 IRE) B/W: 0.05 Lux/F=1.6 (50 IRE)
Preset	239 Preset Points
Wide Dynamic Range	Over 52dB
Built-in Protocols	EverFocus, Pelco-D, Pelco-P, Samsung
Horizontal Rotation Range	360° unlimited rotation
Auto Pan	2 points scanning , can set freely
Auto Pan Speed	1~239 grade available
Tilt Rotation Range	180° pendulum motion
Communication	Standard RS-485
Operating Temp.	-40°C ~ 60°C / -40°F ~ 140°F
Weatherproof	IP66 rated
Power Supply	24VAC
Power Consumption	70W (w/heater), 18W (w/out heater)
Dimensions (W x H x D)	218.5 x 267.35 x 220 mm / 8.6" x 10.5" x 8.7"
Weight	4.2 kg / 9.25 lbs

Dimensions



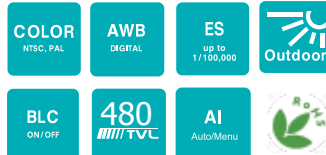
Ordering Information

- **EPTZ3000:** 1/4" Wide Dynamic Range, Day/Night PTZ, 30x Zoom, 520 TVL with Heater

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EPTZ1000

Outdoor Day/Night PTZ with 18x Zoom



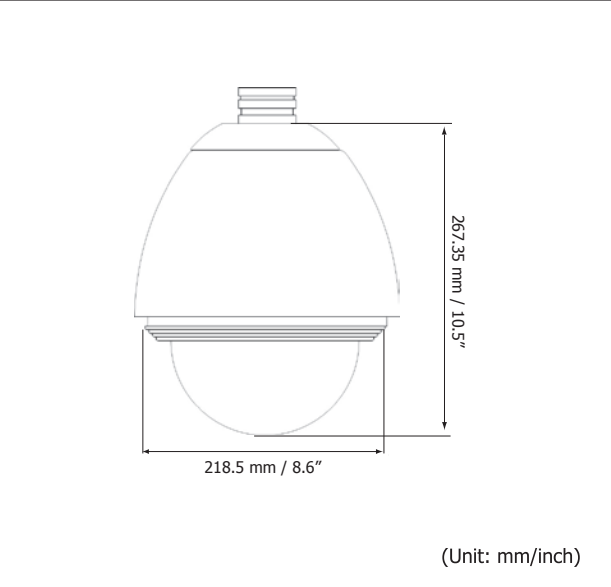
Features

- 1/4" Sony Interline Transfer Super HAD CCD with 480 TVL of horizontal resolution
- Day/Night function
- Auto Pan/Tilt/Zoom function
- 192 preset positions available
- 16 cruise tours can be set (each tour contains up to 16 positions)
- Up to 256 speed domes can be supported on the RS-485 bus
- Auto switch color to black & white to enhance light sensitivity at night or in low light conditions
- Auto iris adjusts the monitoring image to the best brightness
- Integrated privacy zone masking feature
- Built-in heater and fan to tolerate low temperatures
- Weatherproof IP66 rated to endure all weather conditions

Specifications

Image Device	1/4" Sony Interline Transfer Super HAD CCD
Zoom Ratio	216x Zoom (18x Optical, 12x Digital)
Lens	f=4.1mm (Wide) ~ 73.8mm (tele)
Horizontal Resolution	480 TVL
Video Format	768x494 NTSC
Video Output	1.0 + 0.2 V p-p
S/N Ratio	Over 50dB
Iris	Auto/Manual
Focus	Auto/Manual
Backlight Comp.	OSD Setting
Auto Gain Control	OSD Setting
Auto White Balance	Yes
Gamma Correction	0.45
Sync. Mode	Internal/Line Lock
Fan/Heater	Yes/Yes, automatic
Receiver	Built-in
Motor	Stepping Motor
Sensitivity	Color: 0.5 Lux/F=1.4 B/W: 0.01 Lux
Preset	128 Preset Points
Cruise Tour	8 groups (16 preset positions per group)
Built-in Protocols	EverFocus, Pelco-D, Pelco-P, Samsung
Auto Flip	180° rotation
Preset Speed	280°/second
Pan Rotation Range	360° continuous
Tilt Range	90°
Communication	Standard RS-485 interface
Operating Temp.	-40°C ~ 60°C / -40°F ~ 140°F
Weatherproof	IP66 rated
Power Supply	24VAC
Power Consumption	70W (w/heater), 18W (w/out heater)
Dimensions (W x H x D)	218.5 x 267.35 x 220 mm / 8.6" x 10.5" x 8.7"
Weight	4.2 kg / 9.25 lbs

Dimensions



Ordering Information

- **EPTZ1000:** 1/4" Day/Night PTZ, 18x Zoom, 480 TVL with Heater

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EPTZ500

Indoor Recessed PTZ Camera



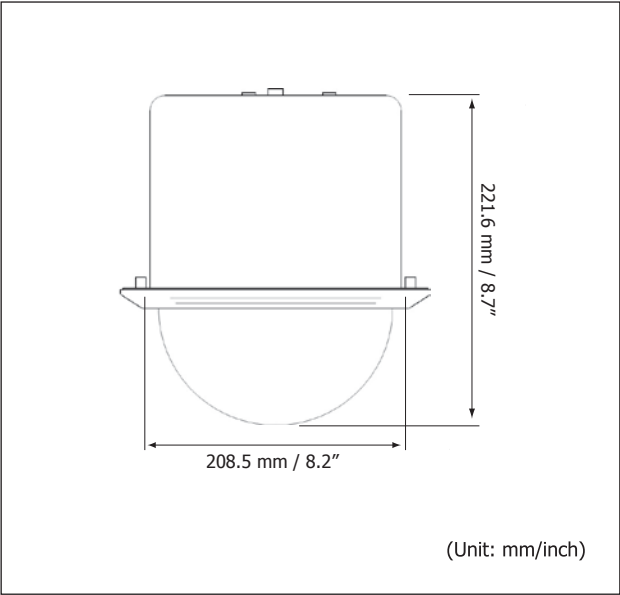
Features

- 1/4" Sony Interline Transfer Super HAD CCD with 460 TVL of horizontal resolution
- Auto Pan/Tilt/Zoom function
- 192 preset positions available
- 16 cruise tours can be set (each tour contains up to 16 positions)
- Up to 256 speed domes can be supported on the RS-485 bus
- Auto iris adjusts the monitoring image to the best brightness
- Integrated privacy zone masking feature
- Supports EverFocus, Pelco-D, Pelco-P & Samsung protocols
- Suitable for any indoor application

Specifications

Image Device	1/4" Sony Interline Transfer Super HAD CCD
Zoom Ratio	18x Optical, 12x Digital
Lens	f=4.1mm (Wide) ~ 73.8mm (tele)
Horizontal Resolution	460 TVL
Video Format	510 x 492 (NTSC) / 500 x 582 (PAL)
Video Output	BNC 1.0Vp-p, 75ohm
S/N Ratio	Over 50dB
Iris	Auto/Manual
Focus	Auto/Manual
Backlight Comp.	OSD Setting
Auto Gain Control	OSD Setting
Auto White Balance	Yes
Gamma Correction	0.45
Sync. Mode	Internal/Line Lock
Sensitivity	1.0 Lux/F=1.4
Dwell Time at Preset	1~60 seconds
Cruise Tour	16 groups (16 preset positions per group)
Built-in Protocols	EverFocus, Pelco-D, Pelco-P, Samsung
Auto Flip	180° rotation
Auto Zoom Speed	Adjusted automatically based on zoom change
Auto Pan	2 points scanning (can be set freely)
Auto Pan Speed	1~239 grade available
Tilt Range	89.5°
Position Accuracy	+/- 0.1°
Alarm	4 In, 1 Out with tour/position (auto triggering)
Communication	Standard RS-485 interface
Communication Speed	1200/2400/4800/9600 bps
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Power Supply	24VAC
Power Consumption	18W
Dimensions (W x H x D)	208.5 x 221.6 x 208.5 mm / 8.2" x 8.7" x 8.2"
Weight	3.2 kg / 7.05 lbs

Dimensions



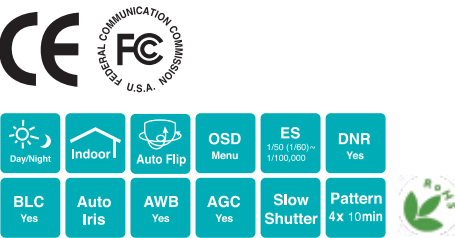
Ordering Information

- **EPTZ500:** 1/4" Indoor Recessed PTZ, 18x Zoom, 460 TVL, no heater

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EPTZ100

Indoor Mini PTZ with Day/Night



Features

- 520 TVL of high resolution (570 TVL in B/W mode)
- 100x total zoom (10x Optical: 3.8~38mm, 10x Digital Auto Focus zoom)
- Capture images in almost complete darkness with super low sensitivity of 0.005 Lux (DSS x128)
- Day/Night feature with IR cut filter
- High speed pan/tilt (up to 240°/second)
- 360° of endless pan rotation
- Compact size for discreet surveillance (114mm / 4.5" in diameter)
- Easy installation with plug & latch design
- Digital Noise Reduction feature
- Privacy masking with 4 zones
- RS-485 communication with EverFocus, Pelco-D and Pelco-P protocol
- Four 10 minute pattern tour
- 3 alarm input, 1 alarm output relay
- Includes recessed ceiling mount and ceiling surface mount

Specifications

Sensor	1/4" Sony Super HAD CCD
Effective Pixel	380,000 (NTSC) / 440,000 (PAL)
Horizontal Resolution	520 TVL (color mode) / 570 TVL (b/w mode)
Sensitivity	0.7 Lux/F=1.8 (50 IRE – color mode) 0.02 Lux/F=1.8 (50 IRE – b/w mode) 0.005 Lux (DSS x128)
Video Output	BNC 1.0Vp-p (sync. negative)
S/N Ratio	Over 50 dB
Sync. Mode	Internal
Electronic Shutter	1/60 (1/50)~1/120,000, automatic (ESC) or manual
Digital Slow Shutter (DSS)	Up to 128x
White Balance	Auto AWC/ATW mode, manual
Backlight Comp.	Adjustable 3 steps/Off
Auto Gain Control	Adjustable 3 steps/Off
Flicker	On/Off
Dynamic Noise Reduction	Adjustable 3 steps/Off
Day/Night	IRC + b/w switching manual/automatic
Zoom Ratio	10x optical autofocus zoom (10x digital zoom, max. 100x)
Focus length	F 3.8 (wide) ~ 38 (tele) mm
Aperture	F 1.6 (wide) ~ F 2.8 (tele)
Viewing Angle	51.2° (wide end) to 5.58° (tele end)
Minimum Object Distance	1.5 M / 5 ft.
Focusing Method	Auto, one-push AF, manual
Communication	RS-485 simplex 2 wire
Built-in Protocols	EverFocus/Pelco-P/Pelco-D (setup by DIP switch)
BAUD Rate	2400/4800/9600 bps (setup by DIP switch)
Speed Dome Address Range	1 ~ 255 (setup by DIP switch)
Alarm	3 inputs, 1 output (with tour/position auto triggering)
Horizontal Rotation Range	360° unlimited rotation
Tilt Rotation Range	90° with auto flip function
Auto Pan	2 points scanning: adjustable speeds, adjustable end stops
Auto Pan Speed	2, 6, 12, 30, 60, 120°/second
Auto Pan Dwell Time	(A-B points) 1, 3, 5, 10, 30, 45 second
Preset Positions	64
Preset Tours	1 tour w/16 positions, 4 group tours w/4 positions each, 1 tour with individual setup (up to 32 positions)
Dwell Time (Preset Position)	1 ~ 255/second
Pattern	4x pattern (up to 800 movements/600s PTZ recording each)
Running to Position Speed	Up to 240° / sec.
Manual Pan/Tilt Speed	0.5° ~ 240° / sec.
Position Accuracy	0.225°
Proportional Pan Speed	Yes
Privacy Zones	4 zones, free adjustable
Setup	Multi-Line OSD setup menu
Auto Resume	After 1, 2, 3, 4, 5 or 10 min. of no activity
Power Source	24VAC +/- 10%
Power Consumption	19W max. (w/PTZ motor), 12W max. (w/out PTZ motor)
Operating Temperature	0°C ~ +40°C / 32°F ~ 104°F
Humidity	85% max.
Dimensions (H x D)	202 x 114 mm / 8" x 4.5" (with ceiling mount adapter)
Weight	1.5 kg / 3.3 lbs (camera module incl. adapter board)

Easy Installation with Plug & Latch Design

Simply plug in the camera module and turn to latch. It's that easy!



Ordering Information*

- **EPTZ100/N:** Indoor Mini PTZ, Day/Night, 10x Optical Zoom, NTSC
- **EPTZ100/P:** Indoor Mini PTZ, Day/Night, 10x Optical Zoom, PAL

Optional Accessories

- **EPTZ100-WLM:** Indoor wall mount for EPTZ100
- **EPTZ100-CPM:** Indoor pendant mount for EPTZ100

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EKB500

Multi-Function Keyboard Controller



Features

- Capable of controlling speed dome cameras, DVRs & monitors
- Centralized control of up to 999 cameras from a single controller
- Password protected to prevent unauthorized users
- 3-D Joystick for PTZ control functions & Jog Shuttle for DVR control
- Two independent communication ports with selectable baud rate and protocol
- Customized, upgradeable firmware for specific applications
- Auto tracking by external signal processor unit
- Preset position and pattern control; full programmable preset tour
- Matrix control (EverFocus DVR series products)

Specifications

Input Voltage	12VDC
Power Consumption	10W
Device Control	PTZ Speed Domes, DVRs and Monitors
Protocols	Pelco-D, Pelco-P, EverFocus Enhanced Protocols
Remote Control	RS-232/RS-485
Baud Rate	1200~38400 dps
LCD Display	20x2 Characters
Integration	Up to 8 keyboard cascading connection
Auto Surveillance	Position, Tour, Auto Pan
Wiring Box	Yes
Dimensions (L x W x H)	356 x 203 x 108 mm / 14" x 8" x 4.25"
Weight	Approx. 1.5 kg / 3.3 lbs.

Ordering Information

- **EKB500:** Multi-Function Keyboard

EKB200

USB Keyboard Controller with 3-Axis



Features

- "Plug and play" USB interface
- 3-axis joystick for PTZ control function
- Support standard HID class device
- Industrial ID design
- Long working life of industrial grade 3-axis joystick
- 4 pre-defined PTZ function keys: Iris+/-, Focus+/-
- 12 free assignable function keys
- Panel mount kit available
- No external power supply required
- Suitable for right or left-handed users
- Dedicated EverFocus JoyMap keymapper software for standard Windows operation
- Support standard HID class device, easy for 3rd party integration
- Supported by EverFocus PowerCon central management software for easy PTZ operation

Specifications

Interface	USB 1.1
PTZ Function Key	4 keys, Iris+, Iris-, Focus+, Focus-
Assignable Key	12 keys
Default Protocol	USB HID class
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Mounting Method	Desktop, Panel
Power Source	USB Bus Power
Power Consumption	80 mA max.
Certification	CE/FCC class A
Keymapper Support	EverFocus JoyMap
USB Cable (Length)	1.8 meters / 6 feet
USB Cable (Color)	Black
Dimensions (L x W x H)	200.5 x 200.5 x 111.3 mm / 7.9" x 7.9" x 4.4" (with Joystick)
Weight	880 g / 1.94 lbs

Ordering Information

- **EKB200:** Multi-Function Keyboard, USB, 3-Axis

EPTZ-PBOX

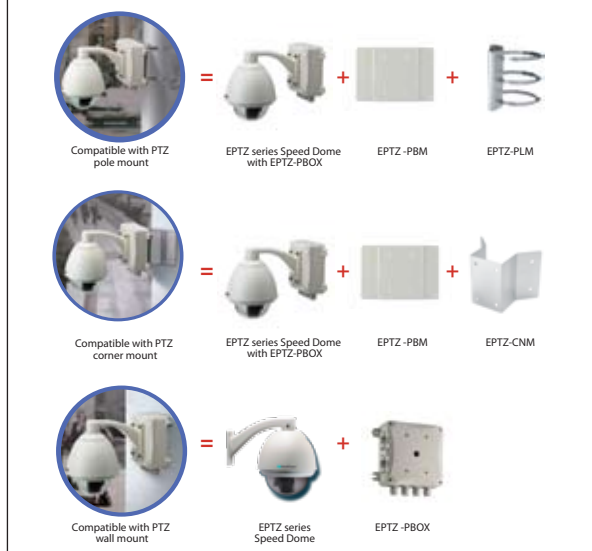
External Power Connection Box



Features

- External power connection box for PTZ cameras
- Vandal resistant and weatherproof IP66 rated
- Optional built-in video encoder for analog to IP network conversion and network capabilities with web browser,
- EverFocus NVR software and PowerCon Express
- Compatible with PTZ wall mount (optional EPTZ-WMB), corner mount (optional EPTZ-CNM) and pole mount (optional EPTZ-PLM) adaptor
- Weatherproof IP66 rated

EverFocus EPTZ-PBOX supports a wide variety of EPTZ indoor and outdoor mounting accessories. EPTZ-PBOX provides enhanced durability and eliminates complicated cabling in any location.



Specifications

Waterproof Conduit	10 mm x 1 pcs , 7 mm x 3 pcs
Safety Certification	CE/FCC/LVD
Power Source	2 types: 100V ~ 120VAC / 220V ~ 240VAC
Power Output	24VAC
Power Consumption	3.5 amps
Dimensions (W x D x H)	250 x 260 x 85 mm / 9.8" x 10.2" x 3.3"
Weight	4.08 kg / 9 lbs 4.54 kg / 10 lbs (with 1 ch. encoder)

EPTZ-WMB

Wall Mount Bracket



Specifications

Material	Die-cast Aluminum, Powder-coated
Length	235mm / 9.3"
Weight	1.74 kg / 3.8 lbs
Load (max.)	15 kg / 33 lbs
Weatherproof	Yes, IP66 rated
Application	Optional with EPTZ3600 and EPTZ3100/3100i

EPTZ-CMB

Concrete Ceiling Mount Adaptor



Specifications

Material	Die-cast Aluminum
Dimensions (W x H)	180 x 25 mm / 7.1" x 1"
Weight	0.27 kg / 0.6 lbs
Application	Optional with EPTZ3600/3100 Included with EPTZ3100i

EPTZ-BKA

Wall/Pendent Mount Adaptor



Specifications

Material	Die-cast Aluminum
Adaptor Insert Diameter	44.45 mm / 1.75"
Dimensions (W x H)	107.95 x 54.1 mm / 4.25" x 2.13"
Weight	0.18 kg / 0.4 lbs

EPTZ-SSM

Outdoor Sunshield



Specifications

Material	Die-cast Aluminum
Dimension (W x H)	203.2 x 117.8 mm / 8" x 7"
Weight	0.45 kg / 1 lbs.

EPTZ-ICM

Flush Ceiling Mount



Specifications

Material	Die-cast Aluminum
Cutout Diameter	200mm / 7.8"
Dimension (H x D)	247 x 220 mm / 9.7" x 8.7"
Weight	680 g / 1.5 lbs.

EPTZ-CNM
Corner Mount Adaptor



Specifications	
Material	Steel
Dimension (L x W x H)	228.6 x 171.45 x 146.05 mm / 9" x 6.75" x 5.75"
Weight	1.2 kg / 2.6 lbs

EPTZ-CLM
Ceiling Pendent Mount



Specifications	
Material	Steel, Powder-coated
Tube Length	340 mm / 13.4"
Ceiling Adaptor (diameter)	108 mm / 4.25"
Tube Diameter	32 mm / 1.3"
Weight	0.54 kg / 1.2 lbs

EPTZ-PLM
Pole Mount Adaptor



Specifications	
Material	Steel
Pole Diameter (Expandable)	90 mm / 3.54" min. 155 mm / 6.1" max.
Dimensions (W x H x D)	166 x 205 x 47 mm / 6.54" x 8.07" x 1.85"
Weight	1 kg / 2.2 lbs

EPTZ-PBM
EPTZ-PBOX Adaptor



Specifications	
Material	Steel
Dimensions (W x H)	260.35 x 181 mm / 10.25" x 7.13"
Weight	0.73 kg / 1.6 lbs
Application	For use with wall/pole/corner mount w/EPTZ-PBOX

ESDA-1000
Step Down Adaptor



Specifications	
Material	Aluminum, Powder-coated
Diameter	Threaded Side: 1.5 NTP Opening: 50.8 mm / 2"
Weight	91 g / 0.2 lbs

EPTZ100-WLM
Indoor Wall Mount
for EPTZ100



Specifications	
Material	Steel, Powder-coated
Dimensions (L x W x H)	247.7 x 82.6 x 143.5 / 9.75" x 3.25" x 143.5"
Weight	0.64 kg / 1.4 lbs

EPTZ100-CPM
Indoor Pendant Mount
for EPTZ100



Specifications	
Material	Steel, Powder-coated
Height	313.69 mm / 12.35"
Weight	0.82 kg / 1.8 lbs

- Ordering Information**
- **EKB500:** Multi-Function Keyboard Controller
 - **EKB200:** USB Keyboard Controller, 3-Axis
 - **EPTZ-PBOX:** External Power Connection Box for PTZ Cameras
 - **EPTZ-WMB:** Wall Mount Bracket for EPTZ3600/3100/3100i
 - **EPTZ-CMB:** Concrete Ceiling Mount Adaptor (included w/EPTZ3100i only)
 - **EPTZ-BKA:** Wall/Pendent Mount Adaptor (included w/EPTZ3600/3100 only)
 - **EPTZ-SSM:** Outdoor Sunshield
 - **EPTZ-ICM:** Flush In-Ceiling Mount
 - **EPTZ-CNM:** Corner Mount Adaptor with Cable Outlet
 - **EPTZ-CLM:** Indoor Pendent Mount Bracket
 - **EPTZ-PLM:** Pole Mount Adaptor with Cable Outlet
 - **EPTZ-PBM:** Adaptor for EPTZ-PBOX
 - **ESDA-1000:** Step Down Adaptor
 - **EPTZ100-WLM:** Indoor Wall Mount (for EPTZ100 only)
 - **EPTZ100-CPM:** Indoor Pendent Mount (for EPTZ100 only)
 - **EPTZ100-PS:** Power Supply (for EPTZ100 only)



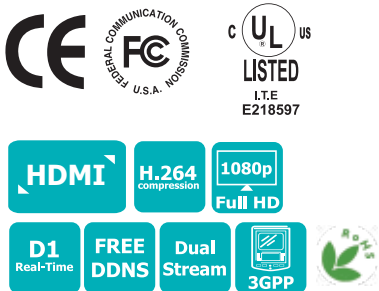
Paragon Series



Digital Video Recorders

Paragon264 Series DVR

16 Channel w/480 FPS or 240 FPS D1 Real Time, H.264 & HDMI/1080p Display



Features

- 480 FPS real time recording & playback at D1 (Paragon264x4)
- 240 FPS real time recording & playback at D1 (Paragon264x2)
- H.264 compression format conserves disk space & bandwidth HDMI Video Output (1080p)
- 3 independent monitor support
- Main monitor: Simultaneous VGA, composite & S-Video output
- Call monitor: additional composite output with multiplex and/or sequenced views
- Simultaneous main streaming (480 FPS@D1) & second streaming (Up to 480 FPS @ CIF)
- Pentaplex Operation (Simultaneous live view, recording, playback, archiving and remote viewing)
- User friendly Graphical User Interface (GUI) menu
- Supports eSATA
- Supports 3GPP for mobile monitoring
- Multiple Control Inputs: mouse, front panel, IR remote controller & optional EKB500 keyboard
- Built-in DVR time recording calculator for quick recording estimation
- Express Setup: menu option for quick & easy installation
- Express Archive using USB drive or DVR burner
- Express Playback & Search: Simply point, click and drag the playback bar to view previous recordings
- Remote configuration support from the built-in web interface
- Gigabit Ethernet interface for remote network viewing & control
- On-screen PTZ control via mouse or front panel
- 2 Hot Swappable HDD or 4 internal HDD
- 2 USB 2.0 ports (located on front panel) for video archive & mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications of recorded data
- Rack mountable
- Free EverFocus DDNS service

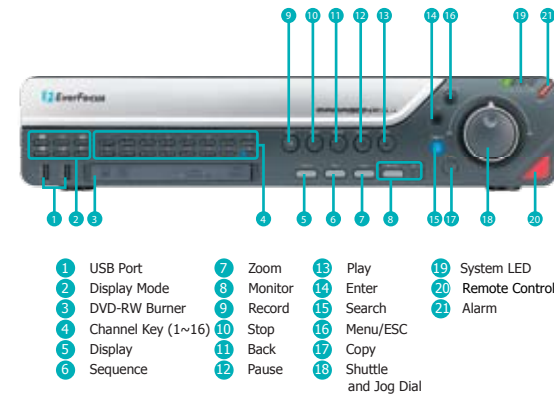
Specifications

Model	Paragon264x4	Paragon264x2
No. of Cameras	16	8, 16
Compression Format	H.264	
HDMI Video Output	Yes	
Recording & Playback Resolution	NTSC: 704x480 / PAL: 704x576 (D1) NTSC: 704x240 / PAL: 704x288 (Half D1) NTSC: 352x240 / PAL: 352x288 (CIF)	
Recording & Playback Rate	480/400 FPS at D1 240/200 FPS at Half D1 120/100 FPS at CIF (NTSC/PAL)	240/200 FPS at D1 120/100 FPS at Half D1 60/50 FPS at CIF (NTSC/PAL)
3GPP	Yes	
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing	
Video Input	16 looping BNC	8 or 16 looping BNC
Video Output	Main monitor #1 HDMI 1080p single or multiple camera view, Main monitor #2 VGA/BNC single or multiple camera view. Call monitor single camera full screen with switching on alarm	
Audio In/Out (RCA)	16 Inputs/1 Output	8 or 16 Inputs/1 Output
Recording Mode	Manual, Event, Schedule	
Playback Search	By Date/Time and Event	
Alarm In	One N.O./N.C. input per BNC camera input	
Alarm Out	4 Form "C" relays	
Video Pause	Yes	
Video Loss Detection	Yes	
Motion Detection	Yes	
Event Log	Yes	
Watch Dog Timer	Yes	
HDD	2 Hotswappable/ 4 Internal, 1 eSATA	
Built-in DVD Burner	Slim type DVD Burner (optional)	
User Interface	Graphical User Interface (GUI)	
OS	Embedded Linux	
Network	Gigabit Ethernet/TCP-IP/DHCP/PPPoE/DDNS/3GPP	
Supported PTZ Protocol	EverFocus, Pelco D, Pelco P, Samsung, Transparent	
Control PTZ via OSD	Yes	
USB	3 USB 2.0 port (2 on Front Panel, 1 on Back Panel)	
Schedule Setting	Supports Express and Advanced Schedule Setting	
User Access	Local login (optional) w/3 user privilege levels; remote login required	
RS-232	Receive commands from Host to control DVR & POS data from POS interface	
RS-485	Receive commands from Host to control DVR, EKB500 to control DVR, Send out commands to PTZ	
Power Source	100VAC~240VAC	
Power Consumption	180W	
Dimensions (L x W x H)	430 x 410 x 88 mm / 16.9" x 16.2" x 3.5"	
Weight	9.8 kg / 21.6 lbs (hot-swap w/HDDs), 10.4 kg / 23 lbs (internal w/HDDs)	
Operating Temp.	0°C~40°C / 32°F~104°F (20~80% humidity)	

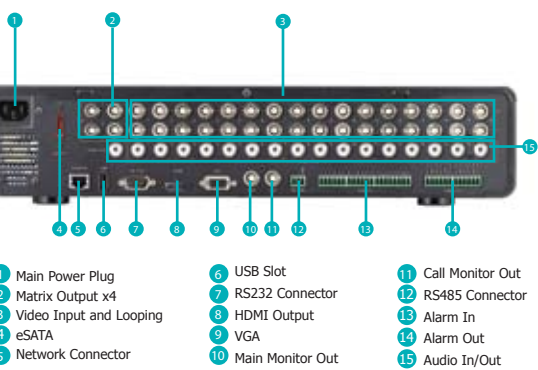
*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

Major Operating Controls

Front Panel Design



Back Panel Design



*Front & back panel controls vary depending on models

Advantages

Real Time Recording at D1

Dual streaming allows local recording of 480 FPS at D1 resolution and remote IP viewing over LAN or WAN at CIF resolution to conserve bandwidth.

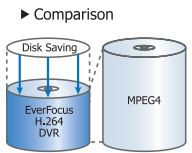


Full HD Video Output

Paragon264 has true 1080p with an entire megapixel of resolution allocated to main monitor display. NTSC is 1/3 of a megapixel and the NTSC quad shows each camera at CIF (4CIF=D1). The HDMI has 4x the detail to show 4 cameras at nearly full NTSC resolution. Digital output delivers stunning images from any resolution and enhances motion reproduction to deliver smoother and clearer looking video.

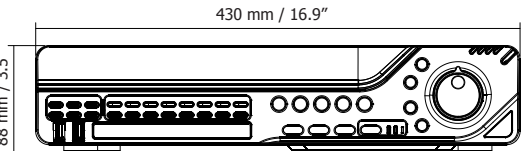
H.264 Compression Technology

H.264 compression technology is considered to be approximately 1.5 times more efficient as compared to MPEG4. Using this advanced method, the Paragon264 DVR delivers maximum image clarity together while conserving both disk space and LAN/WAN transmission bandwidth.

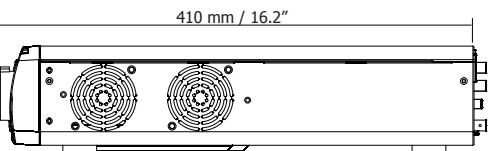


Dimensions

Front View



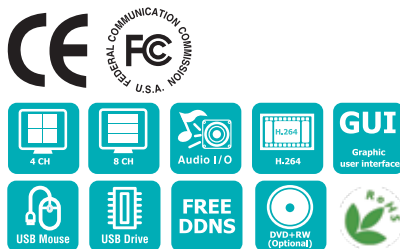
Side View



(Unit: mm/inch)

ECOR264 Series Compact H.264 DVR

4 or 8 Channel Compact DVR with Network, H.264 and Graphical Under Interface



Features

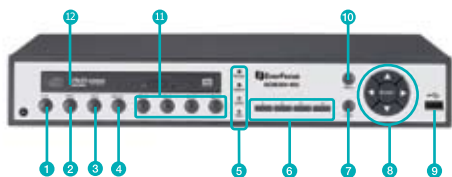
- H.264 Compression format
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- User friendly GUI with graphical icons and visual indicators
- Free EverFocus DDNS Service
- Multiple Control Inputs: mouse/front panel/EKB500 Controller
- Built-in DVR calculator for fast recording estimation
- Express Setup menu option for quick & easy installation
- Built-in Web interface with live view, playback and configuration support
- Audio recording capability
- Supports 1 internal SATA HDD
- Built-in DVD burner (Optional-4D1/8D1 models only)
- 2 USB ports for video archive and mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications of exported data
- Flexible alarm input trigger response scheduling
- Space saving sleek, compact design

Specifications

Number of Channels	4	8
Compression Format	H.264	
Recording & Playback Rate/Resolution	120 NTSC / 100 PAL (CIF) 60 NTSC / 50 PAL (Half D1) 30 NTSC / 25 PAL (D1)	120 NTSC / 100 PAL (CIF) 60 NTSC / 50 PAL (Half D1) 30 NTSC / 25 PAL (D1)
Pentaplex Operation	Simultaneous Live, Recording, Playback, Archive and Remote Viewing	
Video Inputs	4 BNC Composite	8 BNC Composite
Main Monitor Outputs	1 BNC Composite, 1 VGA	
Audio Input/Output	1 Input / 1 Output 10KΩ/500mV P-P	
Recording Mode	Manual, Schedule and Event	
Playback Search	By Date/Time and Event	
Alarm In	4 Inputs	8 Inputs
Alarm Out	1 Alarm Output (Form "C") / 3A/125VAC/30VDC	
Video Pause	Yes	
Video Loss Detection	Yes	
Motion Detection	Yes	
Event Log	Yes	
Watch Dog Timer	Yes	
Internal HDD	1 SATA	
Built-in DVD Burner	Slim Type DVD Burner(Optional "D" Model)	
User Interface	GUI(Graphical User Interface)	
OS	Embedded Linux	
Network/Protocol	10/100Mbps Ethernet; TCP-IP / DHCP/ PPPoE / Everfocus DDNS	
USB	1 USB 2.0 on Front Panel/1 USB 1.0 on Rear Panel	
Schedule Setting	Supports Express and Advanced Schedule Setting	
User Access	3 Levels of User Access Provided	
RS-485	Terminal connector	
Power Source	12VDC/ 2 amps from 100/240VAC adapter provided	
Dimensions (L x W x H)	320 x 208.9 x 54.3 mm / 12.6" x 8.2" x 2.1"	
Temperature	0°C~40°C / 32°F~104°F (20~80% humidity)	
Supported PTZ Protocols	EverFocus, Pelco D, Pelco P, Samsung, Transparent	
Remote Control	Multifunction IR included	
Keyboard Support	EKB500 via RS-485	

Major Operating Controls

Front Panel Design



- 1 Live

2 View

3 Sequence

4 Search

5 LEDs

6 Channel Key

7 Copy

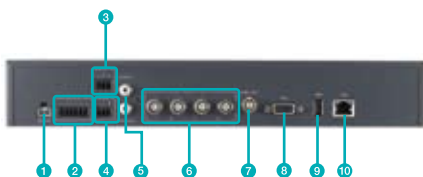
8 Menu Navigation Keys

9 USB

10 Menu
- 11 Playback Control Keys

12 DVD+RW Burner*
- * Optional - included on -4D1/8D1 model

Back Panel Design



- 1 12VDC Power In

2 Alarm Input

3 Alarm Output

4 RS485 Connector

5 Audio In/Out

6 Camera BNC In

7 Monitor BNC Out

8 Monitor VGA Out

9 USB for Mouse

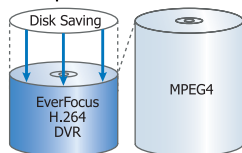
10 Network Connector

Advantages

H.264 Compression Technology

H.264 compression technology is considered to be approximately 1.5 times more efficient in compression ratio than MPEG4. Another benefit from H.264 compression is the remote viewing of high quality video images with lower LAN/WAN bandwidth utilization.

Comparison

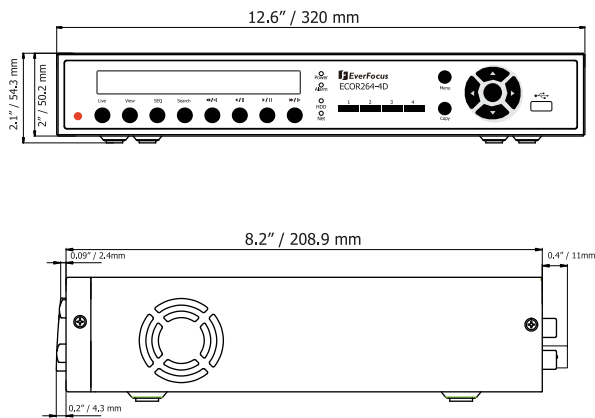


Intuitive Graphical User Interface

With the easy-to-use Graphical User Interface (GUI), users can click the screen to select live or playback on the selected channel, change screen layouts or modify recording parameters.



Dimensions



(Unit: mm/inch)

Ordering Information

- **ECOR264-4D1/500:** 4 Ch, H.264, w/DVD Burner, GUI, 500GB
- **ECOR264-4D1/1000:** 4 Ch, H.264, w/DVD Burner, GUI, 1TB
- **ECOR264-4F1/500:** 4 Ch, H.264, GUI, 500GB
- **ECOR264-4F1/1000:** 4 Ch, H.264, GUI, 1TB
- **ECOR264-8D1/500:** 8 Ch, H.264, w/DVD Burner, GUI, 500GB
- **ECOR264-8D1/1000:** 8 Ch, H.264, w/DVD Burner, GUI, 1TB
- **ECOR264-8F1/500:** 8 Ch, H.264, GUI, 500GB
- **ECOR264-8F1/1000:** 8 Ch, H.264, GUI, 1TB

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

Paragon Series DVR

16 Channel Network MPEG4 with GUI Feature



Features

- Pentaplex operation (simultaneous live, record, playback, archive & remote viewing)
- User friendly Graphical User Interface (GUI) with graphical icons and visual indicators
- Built-in DVR calculator for quick recording estimation
- Express Setup: allows for quick & easy recording and network configuration
- Express Archive: copy video files while playing back
- Express Playback: simply point, click and drag the playback bar to view previous recordings
- Express Search: use the playback bar for express search with simple drag and drop operation
- Up to 480 FPS of real time recording & playback
- Remote configuration support from built-in web interface
- Gigabit Ethernet interface for high speed remote network viewing and controlling
- On screen PTZ control via mouse or front panel
- Real time live display for all cameras
- Multiple control with USB mouse, front panel, keyboard or IR remote controller
- Two 2.0 USB port for easy archive and mouse usage
- VGA, S-Video and composite monitor outputs
- eSATA port for additional external storage
- Support EKB500 keyboard (optional)
- Multi-language support
- Free EverFocus DDNS service
- Audio recording capabilities
- Watchdog system health monitor
- Watermark capabilities for recorded video authentication
- Choose from 2 hot swappable or 4 internal HDDs

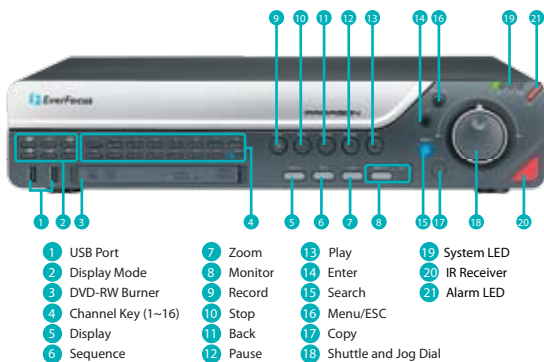
Specifications

Video Format	NTSC or PAL
Operating System	Embedded Linux
Video Input	8 or 16 camera inputs (looping)
Video Output	Main, Call, VGA & S-Video
Video Compression	MPEG4
Recording Resolution	360x240 (NTSC: 480FPS)/360x288 (PAL: 400FPS) 704x240 (NTSC: 240 FPS)/704x288 (PAL: 200FPS) 704x480 (NTSC: 120 FPS)/704x576 (PAL: 100FPS)
Playback Rate	360x240 (NTSC: 480FPS)/360x288 (PAL: 400FPS) 704x240 (NTSC: 240 FPS)/704x288 (PAL: 200FPS) 704x480 (NTSC: 120 FPS)/704x576 (PAL: 100FPS)
Display	Full, 4, 7, 9, 10, 13, 16, PIP and 2x2 zoom
Pentaplex Operation	Simultaneous live, recording, playback, archive and remote viewing
User Interface	GUI
Alarm In/Out	8 or 16 inputs, 4 outputs
Recording Mode	Manual, Schedule and Event
Playback Search	Yes
Audio In/Out	8 or 16 inputs, 1 output
Motion Detection	Yes
Video Pause	Yes
Video Loss	Yes
Event Log	Yes
Watchdog Timer	Yes
HDD	2 Hot Swappable or 4 Internal, 1 eSata (future use)
Built-in DVD Burner	Optional
USB	2 USB 2.0 port on front panel
RS-232	9-pin D-Sub socket (male)
RS-485	Terminal Connector
Network Protocol	Gigabit Ethernet, TCP/IP, DHCP, PPPoE, DDNS
Schedule Setting	Support Express and Advanced Schedule Setting
User Access	3 levels of user access support
PTZ Control	With OSD setting
Power Source	24VAC, 100VAC ~ 240VAC
Power Consumption	150W max.
Dimensions (L x W x H)	410 x 430 x 88 mm / 16.2" x 16.9" x 3.5"
Weight	7.3 kg / 16.1 lbs
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Humidity	20% ~ 80% humidity
Remote Control	Yes, included
DDNS	Free EverFocus DDNS Service

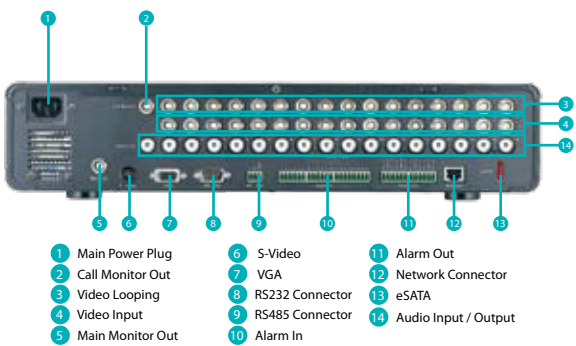
*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

Major Operating Controls

Front Panel Design



Back Panel Design



*Front & back panel controls vary depending on models

Advantages

Intuitive Graphical User Interface

With easy-to-use Graphical User Interface (GUI), users can perform specific actions on any PARAGON™ Series DVR using the menu icons and visual indicators. Simply point & click to navigate through different features.



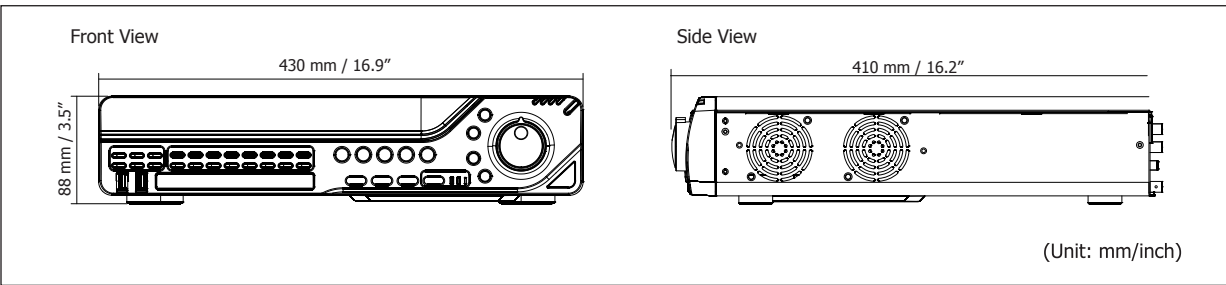
Multiple Control Inputs

The PARAGON™ Series offers multiple control options. Choose from USB mouse, front panel keys, handheld infrared remote, EKB500 keyboard (sold separately) or any of the combination above. Each control option allow users to experience the simple interactive interface PARAGON™ that has to offer.

Express Operations

Hop on the PARAGON™ Express! Paragon DVRs are engineered for fast & simple menu operations for setup, archive, search & playback.

Dimension

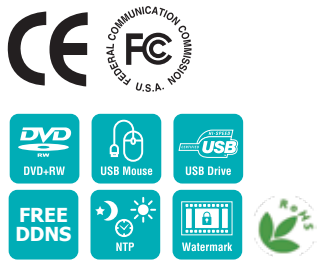


Ordering Information

- **EPARA16D3/500:** 16 Ch, 480 FPS, DVD Burner, 500GB, GUI Feature, MPEG4, Internal HDDs
- **EPARA16D3/1TB:** 16 Ch, 480 FPS, DVD Burner, 1TB, GUI Feature, MPEG4, Internal HDDs
- **EPARA16D3/2TB:** 16 Ch, 480 FPS, DVD Burner, 2TB, GUI Feature, MPEG4, Internal HDDs
- **EPARA16D3/3TB:** 16 Ch, 480 FPS, DVD Burner, 3TB, GUI Feature, MPEG4, Internal HDDs
- **EPARA16D3/4TB:** 16 Ch, 480 FPS, DVD Burner, 4TB, GUI Feature, MPEG4, Internal HDDs
- **EPARA16D3R/500:** 16 Ch, 480 FPS, DVD Burner, 500GB, GUI Feature, MPEG4, Hot Swap HDDs
- **EPARA16D3R/1TB:** 16 Ch, 480 FPS, DVD Burner, 1TB, GUI Feature, MPEG4, Hot Swap HDDs
- **EPARA16D3R/2TB:** 16 Ch, 480 FPS, DVD Burner, 2TB, GUI Feature, MPEG4, Hot Swap HDDs

ECOR Series DVR

4 or 8 Channel Network MPEG4 with Graphical User Interface



Features

- Pentaplex operation (live, record, playback, archive & remote viewing)
- MPEG4 compression technology
- Real time recording & playback: up to 120/100 for 4 channel, 240/200 FPS (NTSC/PAL) for 8 channel
- User friendly Graphical User Interface (GUI)
- Two 2.0 USB port (1 front panel, 1 back panel) for easy archive and mouse usage)
- Multiple control with USB mouse, front panel, keyboard or IR remote controller
- Archive to either USB drive or DVD burner*
- VGA and composite outputs
- Free EverFocus DDNS service
- Space saving with sleek and compact design
- Audio recording capabilities*
- Powerful motion detection capabilities for each camera
- Gigabit Ethernet interface for high speed remote network viewing and controlling
- Real time live display for all cameras
- Watchdog system health monitor
- Watermark capabilities for recorded video authentication

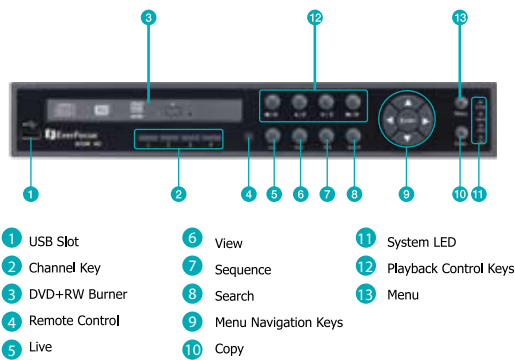
*Feature not available for all models

Specifications

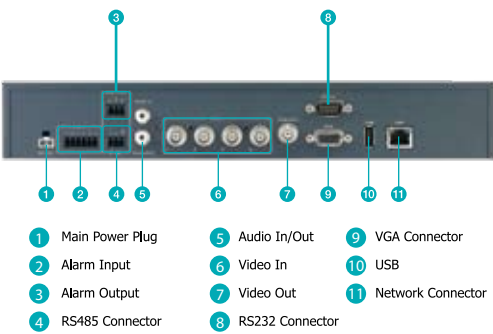
Video Format	NTSC or PAL
Operating System	Embedded Linux
Video Input	4 or 8 camera inputs (BNC, 1 Vp-p/75 ohm)
Video Output	1 Main Monitor, 1 VGA (800x600 @ 60Hz)
Video Compression	MPEG4
Recording Resolution	NTSC: 704x480, 704x240, 352x240 PAL: 704x576, 704x288, 352x288
Audio*	1 In/Out, 1 Vpp @ 20KOhm (*audio model only)
Alarm Input	ECOR4: 4 N.O/N.C. configurable ECOR8: 8 N.O/N.C. configurable
Alarm Output	1 relay (N.C./COM/N.O.)
Hard Disk	One 3.5" SATA hard disk
Recording Rate	CIF: 352x240 (NTSC: 240 FPS)/352x288 (PAL: 200 FPS), 2CIF: 704x240 (NTSC:120 FPS) / 704x288 (PAL: 100 FPS), 4CIF: 704x480 (NTSC: 60 FPS) / 704x576 (PAL:: 50 FPS)
Recording Mode	Continuous recording, schedule, event recording
Playback Rate	CIF: 352x240 (NTSC: 240 FPS /352x288 (PAL: 200 FPS), 2CIF: 704x240 (NTSC:120 FPS) / 704x288 (PAL: 100 FPS), 4CIF: 704x480 (NTSC: 60 FPS)/ 704x576 (PAL:: 50 FPS)
Playback Search	Time/date, Event (alarm/motion), Event Motion (Smart Search)
Motion Detection	Adjustable per channel (22x15 sensor fields each with 10 levels of sensitivity)
Setup	On screen menu with GUI
Operation	Front panel, optical USB mouse, IR remote controller, RS-485 for optional EKB500 keyboard
Real Time Clock	Internal. Time sync. also available from NT server over the Internet
Watchdog Function	Yes
System Warning	Ventilation, hard disk error, record function and network connection
Network	10/100/1000M Gigabit Ethernet
File Export	USB Flash, internal DVD±RW (optional)
RS-232	9-pin D-sub socket
RS-485	Terminal connector
Power Source	12VDC
Power Consumption	60 W max.
Dimensions (L x W x H)	320 x 208.9 x 54.3 mm / 12.6" x 8.2" x 2.1"
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Weight	With DVD burner: 1.9 kg / 4.2 lbs (w/out HDD) W/out DVD burner: 1.65 kg / 3.6 lbs (w/out HDD)
Remote Control	IR remote control (RS-485 keyboard EKB500 optional)
DDNS	Free EverFocus DDNS Service

Major Operating Controls

Front Panel Design



Back Panel Design



*Front & back panel controls vary depending on models

Advantages

Intuitive Graphical User Interface

With user friendly Graphical User Interface (GUI), users can simply point and click on the command graphic icons and visual indicators for all DVR setup and configuration.



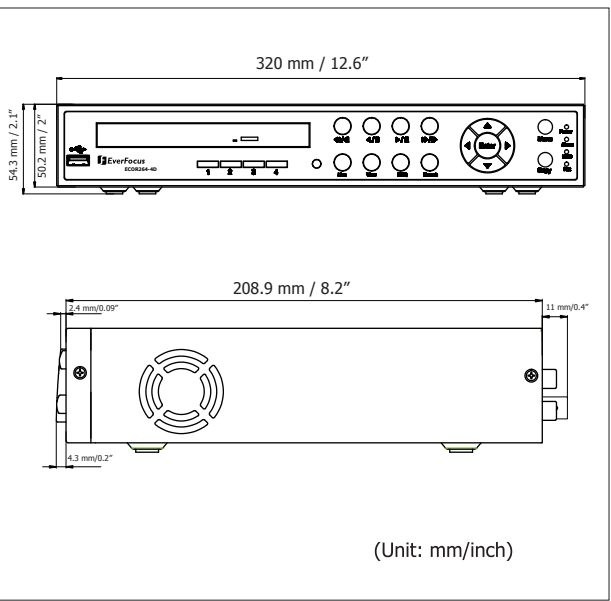
Multiple Control Inputs

The ECOR Series DVR comes with multiple control inputs: includes mouse control, front panel control, IR remote control and keyboard control. All control inputs are supported with simple GUI, saving you setup time.

Pentaplex Control

ECOR series offer high speed signal processing for simultaneous live, recording, playback, archiving and remote viewing.

Dimensions



Ordering Information

ECOR 4 Channel

- **ECOR4D/250:** 4 Ch, DVD Burner, 250 GB, GUI Feature, MPEG4
- **ECOR4F/250:** 4 Ch, 250 GB, GUI Feature, MPEG4
- **ECOR4D/500:** 4 Ch, DVD Burner, 500 GB, GUI Feature, MPEG4
- **ECOR4F/500:** 4 Ch, 500 GB, GUI Feature, MPEG4
- **ECOR4D/1T:** 4 Ch, DVD Burner, 1 TB, GUI Feature, MPEG4
- **ECOR4F/1T:** 4 Ch, 1 TB, GUI Feature, MPEG4

ECOR 8 Channel

- **ECOR8D/250:** 8 Ch, DVD Burner, 250 GB, GUI Feature, MPEG4
- **ECOR8F/250:** 8 Ch, 250 GB, GUI Feature, MPEG4
- **ECOR8D/500:** 8 Ch, DVD Burner, 500 GB, GUI Feature, MPEG4
- **ECOR8F/500:** 8 Ch, 500 GB, GUI Feature, MPEG4
- **ECOR8D/1T:** 8 Ch, DVD Burner, 1 TB, GUI Feature, MPEG4
- **ECOR8F/1TB:** 8 Ch, 1 TB, GUI Feature, MPEG4

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EDR920/EDR1620/EDR1640

9 or 16 Channel Network MPEG4 with Hot Swappable Drives



Features

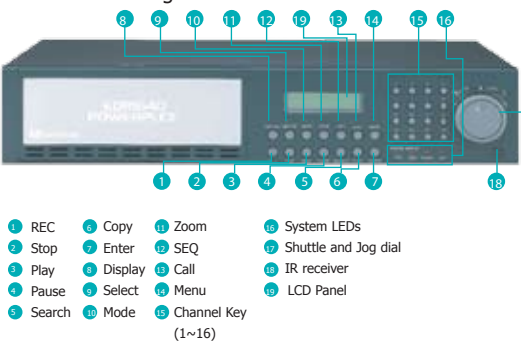
- Multiplex Operation (live, record, playback, archive & remote viewing)
- Up to 480 FPS of recording speed (EDR1640 only)
- MPEG4 compression
- Two 3.5" hot swappable hard disks
- One 2.0 USB port for quick and easy archive
- TCP/IP ready (remote monitoring from any secure network connection DHCP)
- Programmable motion detection area (30x24) for each channel
- Motion detection area with adjustable sensitivity level and masking capability
- Event log for video loss, motion detection, alarm input/reset and power on/off
- 4 channels of real time audio recording
- User friendly on-screen menu with multi-language support
- Warning system alerts for fan fault, HDD temp., no HDD detected and HDD full
- Built-in watchdog timer
- Remote control included
- Free EverFocus DDNS service

Specifications

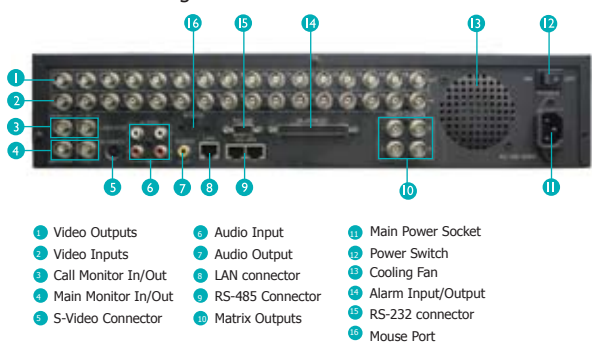
Video Format	NTSC or PAL
Operating System	Embedded Linux
Video Input	16 or 9 camera inputs (BNC, 1 Vp-p/75 ohm)
Video Output	1 BNC video out (1 Vp-p/75 ohm) & 1 S-Video out for Main Monitor, 1 BNC video out (1 Vp-p/75 ohm) for Call Monitor. 16 or 9 video out (1Vp-p/75 ohm) for looping
Video Compression	MPEG4
EDR1640 Recording Resolution	360x240 (NTSC: 480 FPS/360x288 (PAL: 400 FPS) 720x240 (NTSC: 240 FPS /720x288 (PAL: 200FPS) 720x480 (NTSC: 120 FPS)/720x576 (PAL: 100 FPS)
EDR1620 Recording Resolution	360x240 (NTSC: 240 FPS)/360x288 (PAL: 200 FPS) 720x240 (NTSC: 120 FPS)/720x288 (PAL: 100FPS) 720x480 (NTSC: 60 FPS)/720x576 (PAL: 50 FPS)
EDR920 Recording Resolution	360x240 (NTSC: 240 FPS)/360x288 (PAL: 200 FPS) 720x240 (NTSC: 120 FPS)/720x288 (PAL: 100FPS) 720x480 (NTSC: 60 FPS)/720x576 (PAL: 50 FPS)
Video Display	Full, PIP, 4, 7, 9, 13, 16 and 2x2 zoom for live Full, 4, 7, 9, 10, 13, 16 and 2x2 zoom for playback
Video Pause	Yes
Alarm Inputs	16 or 9 alarm inputs
Alarm Outputs	4 outputs (4 normally open, 4 normally closed)
Hard Disk Storage	Two hot swappable 3.5" SATA hard disks
Recording Mode	Continue, Time-Lapse, Schedule, Event Recording, Motion, Alarm and Video Loss
Playback Search	By date/time or event (motion, video loss, alarm)
Event Log	Motion, video loss & alarm detection
User Interface	User friendly menu driven or mouse
Setup	On screen display setup
User Input Device	Front panel keypad with shuttle/jog wheel, mouse, EKB500 keyboard, remote control (optional)
Timer	Real time clock and auto time synchronization with global NTP server through Internet
Title	12 character title generator for each camera
Ethernet	RJ-45 connector for network communications (10/100 Mbps)
Archive	External USB 2.0 DVD burner (optional EPR200 DVD burner)
RS-232	9-pin female connector for local communications
RS-485	RJ-11 connector for local communications
Audio	4 mono (MIC) inputs, 1 mono (Speaker) outputs
Power Source	AC100~240 V±5%
Power Consumption	185 W
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Dimensions (L x W x H)	Approx. 432 x 300 x 89 mm / 17" x 12" x 3.5"
Weight	Approx. 6.2 kg / 13.7 lbs

Major Operating Controls

Front Panel Design



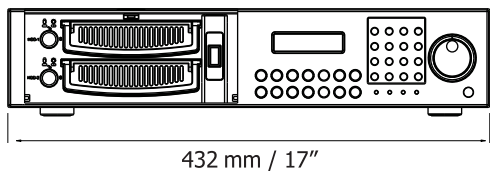
Back Panel Design



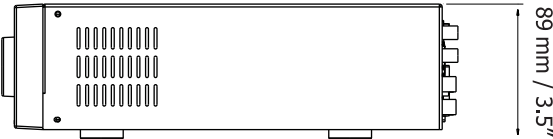
*Front & back panel controls vary depending on models

Dimensions

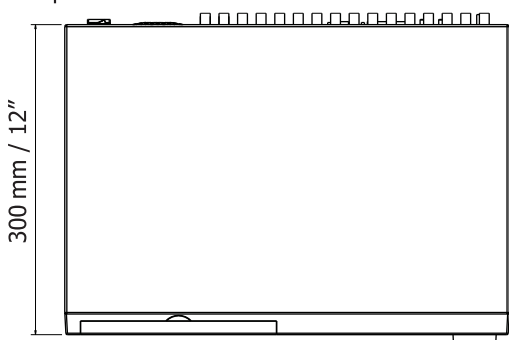
Front View



Side View



Top View



(Unit: mm/inch)

Ordering Information

EDR920

- EDR920/250: 9 ch, 240 FPS, 250 GB, TCP/IP, MPEG4, USB
- EDR920/250D: Above unit with external USB 2.0 DVD Burner
- EDR920/500: 9 ch, 240 FPS, 500 GB, TCP/IP, MPEG4, USB
- EDR920/500D: Above unit with external USB 2.0 DVD Burner
- EDR920/1T: 9 ch, 240 FPS, 1TB, TCP/IP, MPEG4, USB
- EDR920/1TD: Above unit with external USB 2.0 DVD Burner
- EDR920/2T: 9 ch, 240 FPS, 2 TB, TCP/IP, MPEG4, USB
- EDR920/2TBD: Above unit with external USB 2.0 DVD Burner

EDR1640

- EDR1640/250: 16 ch, 480 FPS, 250 GB, TCP/IP, MPEG4, USB
- EDR1640/250D: Above unit with external USB 2.0 DVD Burner
- EDR1640/500: 16 ch, 480 FPS, 500 GB, TCP/IP, MPEG4, USB
- EDR1640/500D: Above unit with external USB 2.0 DVD Burner
- EDR1640/1T: 16 ch, 480 FPS, 1TB, TCP/IP, MPEG4, USB
- EDR1640/1TD: Above unit with external USB 2.0 DVD Burner
- EDR1640/2T: 16 ch, 480 FPS, 2 TB, TCP/IP, MPEG4, USB
- EDR1640/2TBD: Above unit with external USB 2.0 DVD Burner

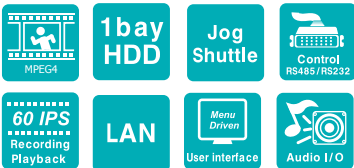
EDR1620

- EDR1620/250: 16 ch, 240 FPS, 250 GB, TCP/IP, MPEG4, USB
- EDR1620/250D: Above unit with external USB 2.0 DVD Burner
- EDR1620/500: 16 ch, 240 FPS, 500 GB, TCP/IP, MPEG4, USB
- EDR1620/500D: Above unit with external USB 2.0 DVD Burner
- EDR1620/1T: 16 ch, 240 FPS, 1TB, TCP/IP, MPEG4, USB
- EDR1620/1TD: Above unit with external USB 2.0 DVD Burner
- EDR1620/2T: 16 ch, 240 FPS, 2 TB, TCP/IP, MPEG4, USB
- EDR1620/2TBD: Above unit with external USB 2.0 DVD Burner

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EDR410H/EDR810H

4 or 8 Channel Compact Size Network MPEG4 with Hot Swappable Drive



Features

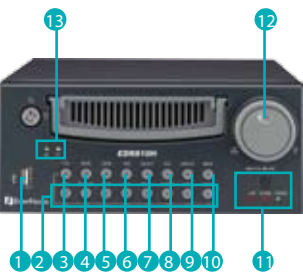
- Multiplex Operation (live, record, playback, archive & remote viewing)
- Up to 120 FPS of recording speed
- MPEG4 compression
- One 3.5" hot swap SATA hard disks with up to 1TB of storage
- One 2.0 USB port for quick and easy archive
- 10/100 Based-T network interface
- Real time live display for all cameras
- Compact size design
- Easy to use control panel with common VCR and multiplexer jog/shuttle feature
- On screen setup menu and system timer
- Event log for video loss, motion detection, alarm input/reset and power on/off
- Multi-level password protection (locally & remotely)
- User friendly on-screen menu with multi-language support
- Warning system alerts for fan fault, HDD temp. no HDD detected and HDD full
- Built-in watchdog timer
- IR remote controller included
- Free EverFocus DDNS service

Specifications

Video Format	NTSC or PAL
Operating System	Embedded Linux
Video Input	4 or 8 camera inputs (BNC, 1 Vp-p/75 ohm)
Video Output	1 BNC video out (1 Vp-p/75 ohm) for Main Monitor, 1 BNC video out (1 Vp-p/75 ohm) for Call Monitor. 4 video out (1Vp-p/75 ohm) for looping (EDR410H)
Video Compression	MPEG4
Recording Resolution	360x240 (NTSC: 120 FPS)/360x288 (PAL: 100 FPS) 720x240 (NTSC: 60 FPS)/ 20x288 (PAL: 50 FPS) 720x480 (NTSC: 30 FPS)/720x576 (PAL: 25 FPS)
Playback Resolution	360x240 (NTSC: 120 FPS)/360x288 (PAL: 100 FPS) 720x240 (NTSC: 60 FPS)/720x288 (PAL: 50 FPS) 720x480 (NTSC: 30 FPS)/720x576 (PAL: 25 FPS)
Video Display	Full, PIP, 4, 7, 8/9, 2x2 zoom for live viewing and playback
Video Pause	Yes
Alarm Input	4 or 8 alarm inputs
Alarm Output	1 alarm output
Hard Disk Storage	One hot swappable 3.5" SATA hard disk
Recording Mode	Continue, Time-Lapse, Schedule, Event Recording (Motion & Alarm)
Motion Detection	Yes, with mutiple configurable detection area & sensitivity
Playback Search	By date/time or Event (Motion, Video Loss, Alarm)
Event Log	Yes
User Interface	User friendly menu driven
Setup	On screen display setup
User Input Device	Front panel keypad with shuttle/jog, mouse
Timer	Real time clock and auto time synchronization with global NTP server through Internet
Title	12 character title generator for each camera
Watchdog Function	Yes
Ethernet	RJ-45 connector for network communications (10/100 Mbps)
Archive	USB 2.0 port for quick archive
RS-232	9-pin female connector for local communications
RS-485	for EKB500 keyboard or PTZ connection (optional)
Audio	1 line level input, 1 out
Power Source	12~24VDC, ±10%, 110V
Power Consumption	60W, AC 5 amp. (tolerance AC90~246V)
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Dimensions (L x W x H)	297 x 211.5 x 89 mm / 11.7" x 8.3" x 3.5"
Weight	4.85 kg / 10.7 lbs

Major Operating Controls

Front Panel Design



- 1 USB Slot

2 Channel Key (1~8)

3 Full

4 Mode

5 Zoom

6 SEQ

7 Select

8 Call

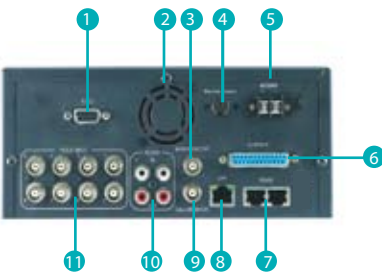
9 Display

10 System LEDs

11 Hard Disk Tray

12 Shuttle and Jog Dial
- 13 HDD LEDs

Back Panel Design



- 1 RS-232

2 Fan

3 Main Monitor

4 Remote

5 Power

6 Alarm Input/Output

7 RS-485

8 LAN

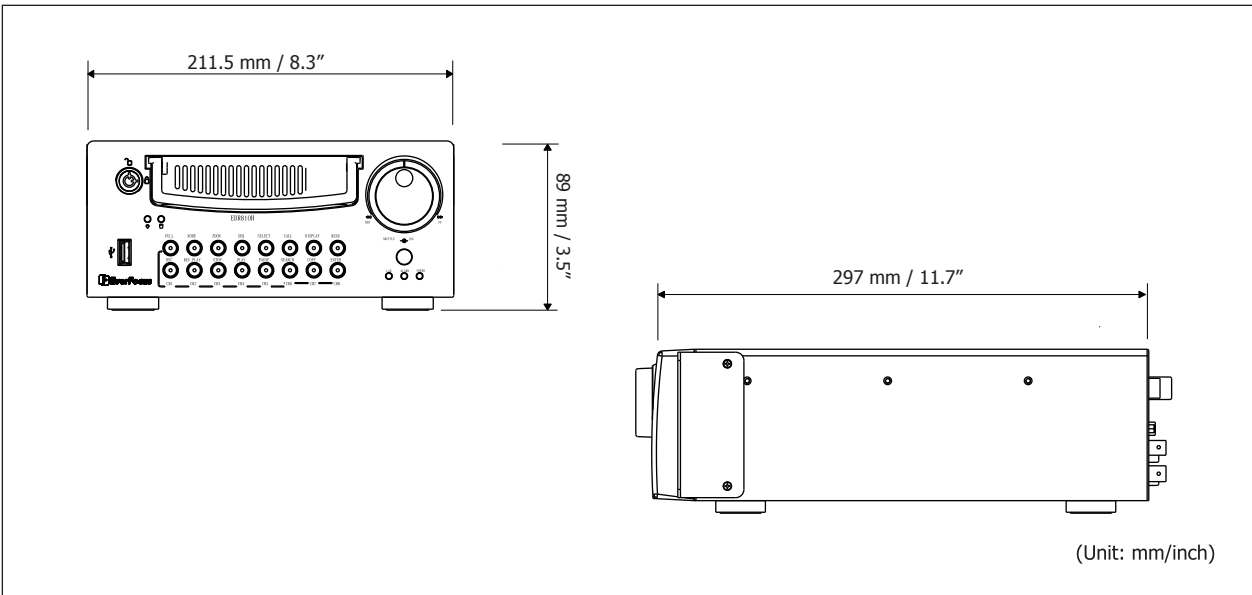
9 Call Monitor

10 Audio Input/Output

11 Video Input

*Front & back panel controls vary depending on models

Dimensions



Ordering Information

EDR410H

- **EDR410H/250:** 4 Ch, 120FPS, MPEG4, 250GB, USB
- **EDR410H/500:** 4 Ch, 120FPS, MPEG4, 500GB, USB
- **EDR410H/1T:** 4 Ch, 120FPS, MPEG4, 1TB, USB

EDR810H

- **EDR810H/250:** 8 Ch, 120FPS, MPEG4, 250GB, USB
- **EDR810H/500:** 8 Ch, 120FPS, MPEG4, 500GB, USB
- **EDR810H/1T:** 8 Ch, 120FPS, MPEG4, 1TB, USB

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EDVR16D3

16 Channel, 480 FPS High Speed Network MPEG4 with Built-in DVD+RW Burner



Features

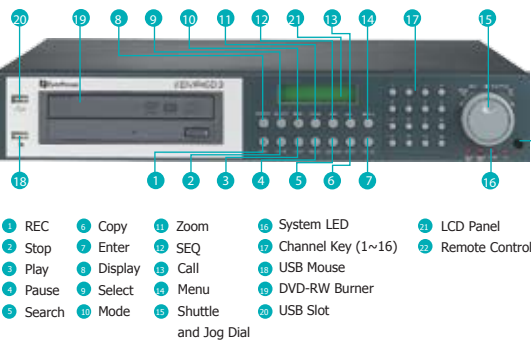
- Pentaplex Operation (live, record, playback, archive & remote viewing)
- Up to 480 FPS of recording speed
- MPEG4 compression
- Two internal SATA hard disks with up to 2TB of storage
- BNC, VGA and S-Video main monitor outputs
- Built-in DVD+RW burner for video exporting
- SCSI interface for external expanded storage with optional EDA800S disk array
- Two 2.0 USB port for mouse control and archive (supports USB thumb drive)
- Easy to use shuttle/jog wheel, front panel keypad & IR remote controller for command options
- Programmable motion dection area (28x22) for each channel
- TCP/IP ready (remote monitoring from any secure network connection DHCP)
- Motion detection with adjustable sensitivity level and masking capability
- Watermark capabilities to identify authenticity of recorded data
- Event log for Video Loss, Motion Detection, Alarm Input/Reset and Power On/Off
- Real time live display for all cameras
- User friendly on-screen menu with multi-language support
- System diagnostic feature alerts users of HDD or system problems via Email or alarm output
- Built-in watchdog timer
- Remote firmware upgrade function
- Free EverFocus DDNS service

Specifications

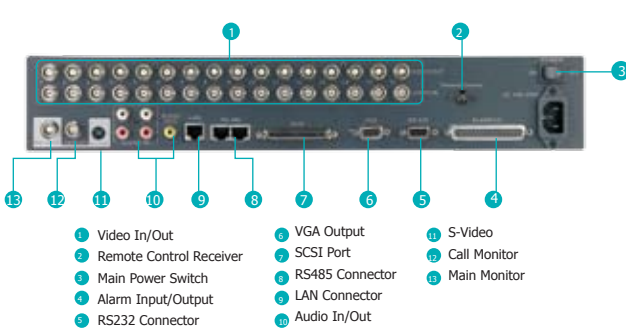
Video Format	NTSC or PAL
Operating System	Embedded Linux
Video Input	16 camera inputs (BNC, 1 Vp-p/75 ohm)
Video Output	1 BNC composite video out (1 Vp-p/75 ohm), 1 VGA & 1 S-Video output for Main Monitor, 1 BNC 7video out (1 Vp-p/75 ohm) for Call Monitor
Video Compression	MPEG4
Recording Resolution	360x240 (NTSC: 480FPS)/360x288 (PAL: 400FPS) 720x240 (NTSC: 240FPS)/720x288 (PAL: 200FPS) 720x480 (NTSC: 120FPS/720x576 (PAL: 100FPS)
Video Display	Full, 4, 7, 9, 10, 13, 16, PIP (live only) and 2x2 zoom for live and playback
Video Pause	Yes
Alarm Input	16 alarm inputs
Alarm Output	4 outputs (4 normally open, 4 normally closed)
Audio	4 mono (MIC) inputs, 1 mono (Speaker) output
Hard Disk Storage	Two internal 3.5" SATA hard disks
Recording Mode	Normal, Schedule or Event recording (motion, video loss, alarm)
Playback Search	By date/time or event (motion, video loss, alarm)
Playback	Play, pause, stop, fast forward (x2, x4,x8, x16, x32, x600), step forward, fast backward (x2, x4, x8, x16, x32, x600), step backward
Playback Rate	360x240 (NTSC: 480FPS)/360x288 (PAL: 400FPS) 720x240 (NTSC: 240FPS)/720x288 (PAL: 200FPS) 720x480 (NTSC: 120FPS)/720x576 (PAL: 100FPS)
Motion Detection	Yes, with multiple configurable detection area (28x22) & different sensitivities for each camera
Event Log	Yes
User Interface	User friendly OSD menu
Setup	On screen display setup
User Input Device	Front panel keypad, shuttle/jog wheel, mouse, EKB500 keyboard, remote control (optional)
Timer	Real time clock and auto time synchronization with global NTP server through Internet
Title	12 character title generator for each camera
Ethernet	RJ-45 connector for network communications (10/100 Mbps)
Archive	Built-in DVD+RW burner or 2.0 USB port for archive to memory stick
RS-485	for PTZ and/or EKB500 keyboard (optional)
Watchdog Function	Yes
Power Source	AC100~240 V
Power Consumption	50 W
Operating Temp.	0°C~40°C / 32°F~104°F
Dimensions (L x W x H)	430 x 301 x 76.2 mm / 16.9" x 15.8" x 3"
Weight	6.4 kg / 14.15 lbs
DDNS	Free EverFocus DDNS server

Major Operating Controls

Front Panel Design



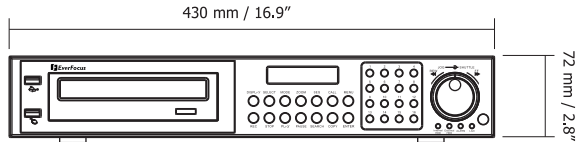
Back Panel Design



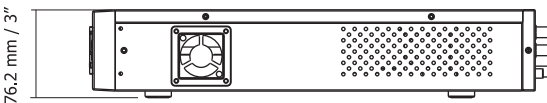
*Front & back panel controls vary depending on models

Dimensions

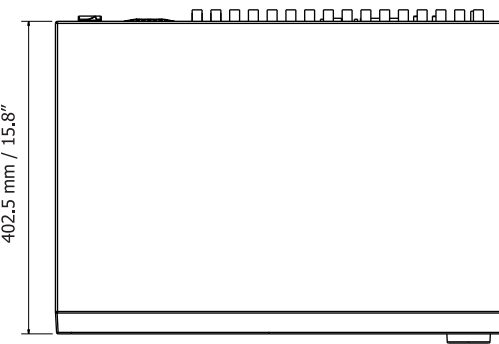
Front View



Side View



Top View



(Unit: mm/inch)

Ordering Information

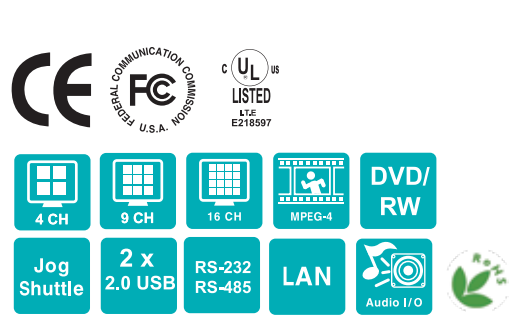
EDVR16D3

- **EDVR16D3/500:** 16 Ch, DVD Burner, 480 FPS, 500 GB, TCP/IP, MPEG4, USB
- **EDVR16D3/1T:** 16 Ch, DVD Burner, 480 FPS, 1TB, TCP/IP, MPEG4, USB
- **EDVR16D3/2T:** 16 Ch, DVD Burner, 480 FPS, 2 TB, TCP/IP, MPEG4, USB

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EDVR4D1/EDVR9D1/EDVR16D1

4, 9 or 16 Channel Network MPEG4 with Built-in DVD+RW Burner



Features

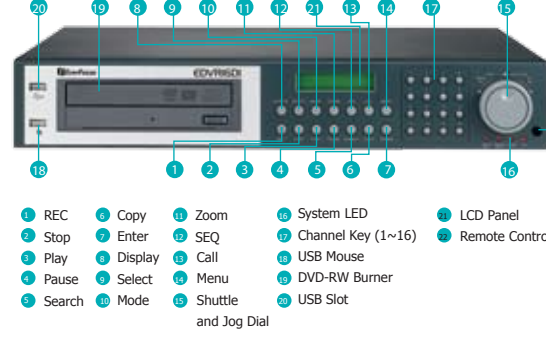
- Pentaplex Operation (live, record, playback, archive & remote viewing)
- Up to 120 FPS of recording speed
- MPEG4 compression
- BNC and VGA main monitor outputs
- Built-in DVD+RW burner for video exporting
- Two 2.0 USB port for mouse control and archive (supports USB thumb drive)
- Easy to use shuttle/jog wheel, front panel keypad & IR remote controller for command options
- Programmable motion detection area (28x22) for each channel
- TCP/IP ready (remote monitoring from any secure network connection DHCP)
- Motion detection with adjustable sensitivity level and masking capability
- Watermark capabilities to identify authenticity of recorded data
- Event log for video loss, motion detection, alarm input/reset and power on/off
- Real time live display for all cameras
- User friendly on-screen menu with multi-language support
- System diagnostic feature alerts users of HDD or system problems via Email or alarm output
- Two internal SATA hard disks with up to 2TB of storage
- Built-in watchdog timer
- Remote firmware upgrade function
- Free EverFocus DDNS service

Specifications

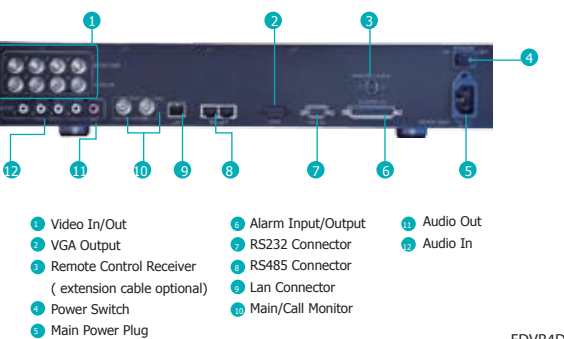
Video Format	NTSC or PAL
Operating System	Embedded Linux
Video Input	4, 9 or 16 camera inputs (BNC, 1 Vp-p/75 ohm)
Video Output	1 BNC composite video out (1 Vp-p/75 ohm) & 1 VGA output for Main Monitor, 1 BNC composite video out (1 Vp-p/75 ohm) for Call Monitor
Video Compression	MPEG4
Recording Resolution	CIF: 360x240 (NTSC) / 360x288 (PAL) Half-D1: 720x240 (NTSC) / 720x288 (PAL) Full D1: 720x480 (NTSC) / 720x576 (PAL)
Video Display	Full, 4, 7, 9, 10, 13, 16, PIP (live only) and 2x2 zoom for live and playback
Video Pause	Yes
Alarm Input	4, 9 or 16 alarm inputs
Alarm Output	1 set of alarm output
Audio	4 mono (MIC) inputs, 1 mono (Speaker) output
Hard Disk Storage	Two internal 3.5" SATA hard disks
Recording Mode	Normal, Schedule or Event recording (motion, video loss, alarm)
Playback Search	By date/time or event (motion, video loss, alarm)
Playback	Play, pause, stop, fast forward (x2, x4, x8, x16, x32, x600), step forward, fast backward (x2, x4, x8, x16, x32, x600), step backward
Playback Rate	CIF: 360x240 (NTSC) / 360x288 (PAL) Half-D1: 720x240 (NTSC) / 720x288 (PAL) Full D1: 720x480 (NTSC) / 720x576 (PAL)
Motion Detection	Yes, with multiple configurable detection area (28x22) & different sensitivities for each camera
Event Log	Yes
User Interface	User friendly OSD menu
Setup	On screen display setup
User Input Device	Front panel keypad, shuttle/jog wheel, mouse, EKB500 keyboard, remote control (optional)
Timer	Real time clock and auto time synchronization with global NTP server through Internet
Title	12 character title generator for each camera
Ethernet	RJ-45 connector for network communications (10/100 Mbps)
Archive	Built-in DVD+RW burner or 2.0 USB port for archive to memory stick
RS-485	for PTZ and/or EKB500 keyboard (optional)
Watchdog Function	Yes
Power Source	AC100~240 V
Power Consumption	50 W
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Dimensions (L x W x H)	430 x 301 x 76.2 mm / 16.9" x 15.8" x 3"
Weight	6.4 kg / 14.15 lbs
DDNS	Free EverFocus DDNS server

Major Operating Controls

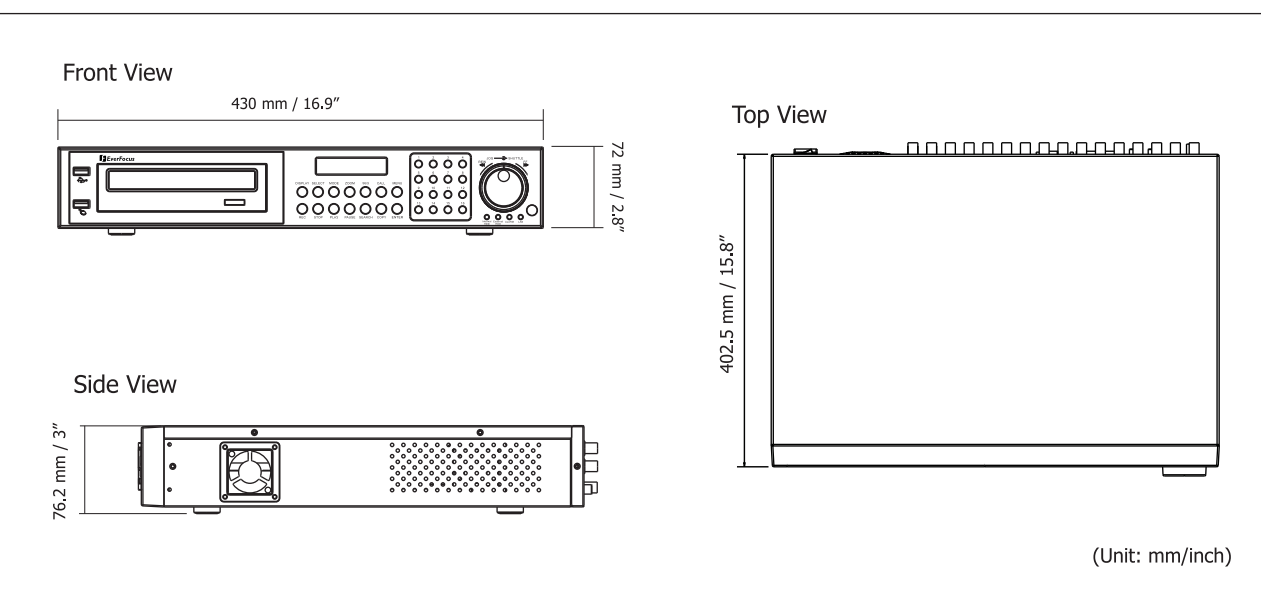
Front Panel Design



Back Panel Design



Dimensions



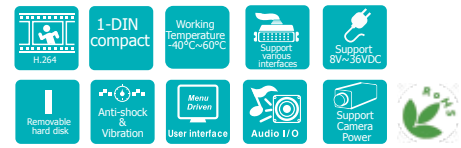
Ordering Information

- EDVR4D1**
- **EDVR4D1/250:** 4 Ch, DVD Burner, 120 FPS, 250 GB, TCP/IP, MPEG4, USB
 - **EDVR4D1/500:** 4 Ch, DVD Burner, 120 FPS, 500 GB, TCP/IP, MPEG4, USB
 - **EDVR4D1/1T:** 4 Ch, DVD Burner, 120 FPS, 1 TB, TCP/IP, MPEG4, USB
 - **EDVR4D1/2T:** 4 Ch, DVD Burner, 120 FPS, 2 TB, TCP/IP, MPEG4, USB
- EDVR9D1**
- **EDVR9D1/250:** 9 Ch, DVD Burner, 120 FPS, 250 GB, TCP/IP, MPEG4, USB
 - **EDVR9D1/500:** 9 Ch, DVD Burner, 120 FPS, 500 GB, TCP/IP, MPEG4, USB
 - **EDVR9D1/1T:** 9 Ch, DVD Burner, 120 FPS, 1 TB, TCP/IP, MPEG4, USB
 - **EDVR9D1/2T:** 9 Ch, DVD Burner, 120 FPS, 2 TB, TCP/IP, MPEG4, USB
- EDVR16D1**
- **EDVR16D1/250:** 16 Ch, DVD Burner, 120 FPS, 250 GB, TCP/IP, MPEG4, USB
 - **EDVR16D1/500:** 16 Ch, DVD Burner, 120 FPS, 500 GB, TCP/IP, MPEG4, USB
 - **EDVR16D1/1T:** 16 Ch, DVD Burner, 120 FPS, 1 TB, TCP/IP, MPEG4, USB
 - **EDVR16D1/2T:** 16 Ch, DVD Burner, 120 FPS, 2 TB, TCP/IP, MPEG4, USB

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EMV200/EMV400

1-DIN Compact Mobile DVR



Features

- H.264 compression format
- 1-DIN compact mobile DVR
- Removable hard disk for recorded, easy to playback in PC side
- Support various interfaces such as 3xUSB / RS-485 / RS-232 / GPS port / Panic Button
- Support camera power up to 2A and 4 cameras
- Front panel RCA video/audio outputs for easy configuration
- External EDGE/GPRS/CDMA/WI-FI Module for wireless Transmission
- Special UI design for a mobile small-sized monitor
- Adopt Molex connectors for anti-shock & vibration
- Power Supply 8V~36VDC
- Power Support : Surge Protection, Voltage Regulator, Delay on/off
- Support Camera Power
- Support wireless 802.11b/g

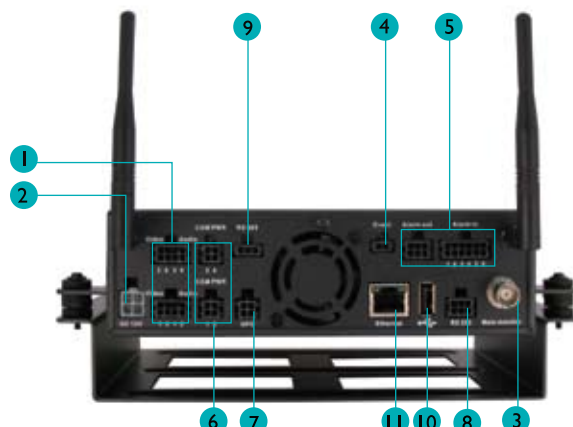
Specifications

Video Format	NTSC/PAL (auto detected by system)
Operating System	Embedded Linux
Video Input	2/4 x BNC
Video Output	Main monitor: 1 composite BNC / 1 front panel RCA output
Video Compression	H.264
Recording Resolution	NTSC: 720x480/720x240/360x240 PAL: 720x576/720x288/360x288
Audio	2/4 line in, 1 front panel RCA line out
Alarm	6 alarm input / 2 alarm output
Storage	2.5" HDD x 1
Recording Rate	NTSC: D1 60fps, PAL: D1 50fps
Recording Mode	Continuous recording, event recording
Playback Rate	NTSC: D1 60fps, PAL: D1 50fps
Playback Search	Time/date, event search
Video Loss Detection	Yes
Event Alarm	For processing, fan failure, hard disk error, hard disk temperature
Setup	On screen menu with graphical user interface
Operation	IR remote control, USB mouse
Real time clock	Support GPS/NTP time sync
Watchdog	Yes
Networking	RJ45 socket, 10/100Mbps
System Warning	Fan, HD error, record function and network connection
File Export	USB 2.0 interface
Interface	RS-232 x 2, RS-485, USB x 3
Power Source	8V~36VDC (Surge Protection, Delay On/Off)
Dimensions	178 x 50 x 199mm / 7"x 2"x 7.8"(1-DIN size)
Weight	1.7kg / 3.7lbs.
Operating Temp.	Working Temperature: -40°C ~60°F Storage Temperature: -40 °C ~85°F

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

Major Operating Controls

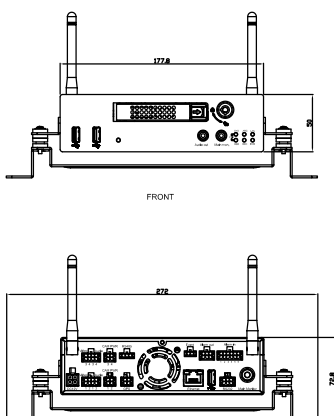
- 1 Video & Audio input
- 2 Power Input
- 3 Main Monitor (BNC)
- 4 Panic Button
- 5 Alarm In/Out (6in/2out)
- 6 Camera Power
- 7 GPS Port
- 8 RS-232 x2
- 9 RS-485
- 10 USB 2.0
- 11 Ethernet



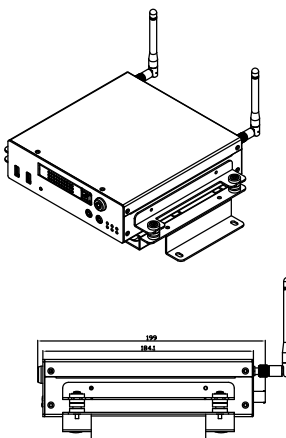
Rear View

Dimensions

Front View



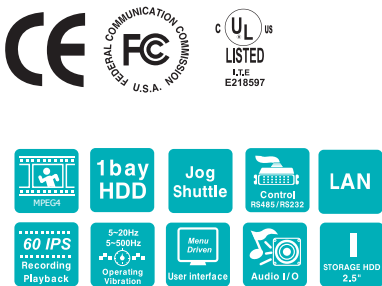
Top View



(Unit: mm/inch)

EDR410M/EDR810M/EDR410MW

4 or 8 Channel Compact Size Mobile Network MPEG4 (Wireless Optional)



Features

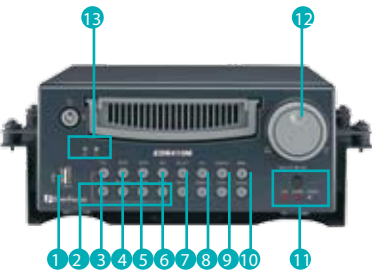
- Multiplex Operation (live, record, playback, archive & remote viewing)
- Up to 120 FPS of recording speed
- MPEG4 compression
- One 2.5" hot swap hard disk
- Specially ruggedized for any mobile application
- One 2.0 USB port for quick and easy archive
- 10/100 Based-T network interface
- Real time live display for all cameras
- Compact size and ruggedized design mobile application
- Optional wireless LAN interface for data transmission (reserved)
- On screen setup menu and system timer
- Event log for video loss, motion detection, alarm input/reset and power on/off
- Multi-level password protection (locally & remotely)
- User friendly on-screen menu with multi-language support
- Warning system alerts for fan fault, HDD temp., no HDD detected and HDD full
- Built-in watchdog timer
- Wireless option with EDR410MW
- IR remote controller with extension wire (optional)
- Free EverFocus DDNS service

Specifications

Video Format	NTSC or PAL
Operating System	Embedded Linux
Video Input	4 or 8 camera inputs (BNC, 1 Vp-p/75 ohm)
Video Output	1 BNC video out (1.0Vp-p/75 ohm) for Main Monitor, 1 BNC video out (1.0Vp-p/75 ohm) for Call Monitor. 4 video out (1.0Vp-p/75 ohm) for looping (EDR410M only)
Video Compression	MPEG4
Recording Resolution	360x240(NTSC: 120 FPS)/ 360x288(PAL: 100 FPS) 720x240 (NTSC: 60 FPS) / 720x288 (PAL: 50 FPS) 720x480 (NTSC: 30 FPS) / 720x576 (PAL: 25 FPS)
Playback Resolution	360x240(NTSC: 120 FPS)/360x288 (PAL: 100 FPS) 720x240 (NTSC: 60 FPS) / 720x288 (PAL: 50 FPS) 720x480 (NTSC: 30 FPS) / 720x576 (PAL: 25 FPS)
Video Display	Full, PIP, 4, 7, 8/9, 2x2 zoom for live viewing and playback
Video Pause	Yes
Alarm Input	4 or 8 alarm inputs
Alarm Output	1 alarm output
Hard Disk Storage	One hot swappable 2.5" hard disk
Recording Mode	Continue, Time-Lapse, Schedule, Event Recording (Motion & Alarm)
Motion Detection	Yes, with multiple configurable detection area & sensitivity
Playback Search	By date/time or Event (Motion, Video Loss, Alarm)
Event Log	Yes
User Interface	User friendly menu driven
Setup	On screen display setup
User Input Device	Front panel keypad with shuttle/jog, mouse
Timer	Real time clock and auto time synchronization with global NTP server through Internet
Title	12 character title generator for each camera
Watchdog Function	Yes
Ethernet	RJ-45 connector for network communications (10/100 Mbps)
Archive	USB 2.0 port for quick archive
RS-232	9-pin female connector for local communications
RS-485	for EKB500 keyboard or PTZ connection (optional)
Audio	1 line level input, 1 out
Power Source	12VDC
Power Consumption	60W, AC 5 amp.
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Dimensions (L x W x H)	296.86 x 211.1 x 88.9 mm / 11.7" x 8.3" x 3.5"
Weight	4.85 kg / 10.7 lbs

Major Operating Controls

Front Panel Design



- 1 USB Slot

2 Channel Key (1~4)

3 Full

4 Mode

5 Zoom

6 SEQ

7 Select

8 Call

9 Display

10 Menu

11 Hard Disk Tray

12 Shuttle and Jog Dial

13 HDD LEDs
- 10 System LEDs

Back Panel Design



- 1 RS-232

2 Fan

3 Main Monitor

4 Remote

5 Power

6 Alarm Input/Output

7 RS-485

8 LAN

9 Call Monitor

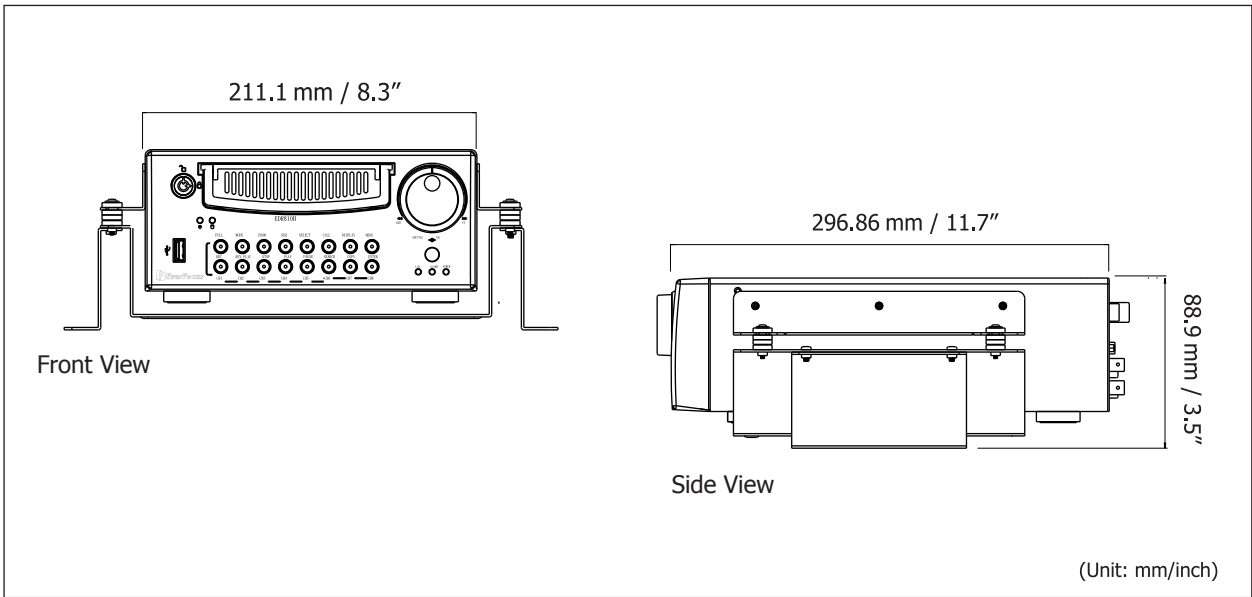
10 Audio Input/Output

11 Video Input

*Front & back panel controls vary depending on models

EDR410MW

Dimensions



Ordering Information

- EDR410M**
- **EDR410M/120:** 4 Ch, 120 FPS, Mobile Half Size, 120 GB, TCP/IP, MPEG4, USB
- EDR810M**
- **EDR810M/120:** 8 Ch, 120 FPS, Mobile Half Size, 120 GB, TCP/IP, MPEG4, USB
- EDR410MW**
- **EDR410M/120:** 4 Ch, 120 FPS, Wireless Mobile Half Size, 120 GB, TCP/IP, MPEG4, USB

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

ECMS-DVR

Network Central Management Software



Overview

- Support MPEG4 and H.264
 - Support Paragon, Paragon264, ECOR, ECOR264, EDR & EDVR series DVR
 - Support Google and E-Map function
 - Web Brower based UI
- Live Video Monitoring**
- Support configurable view layout and display presets for custom split screens with assigned DVR
 - Support remote viewing
 - Multi-monitor support Video TV Wall via display terminal setting
 - User grouping tree, device tree and map tree with filtered views
 - Support PTZ control, including preset patterns & tours
 - Support device drag and drop function on layout setting and device configuration
 - Support multiple monitors to display separate information
 - View real-time alarms and alarm history

Playback and Search

- Support multiple concurrent video and audio playback from DVR
- Searching can be queried based on channel: date, time and event type
- Support several playback speeds in fast forward and fast reverse playback
- Support multiple video and audio archive

User Management

- User database with login, password and contact details
- Support user authentication and permission
- Support user grouping (one user can be assigned to one group and inherit the privileges of the group)
- User privileges can be assigned per DVR, E-map and virtually any function

Specifications

Support Device	Paragon, Paragon264, ECOR, ECOR264, EDR, and EDVR series DVRs
Max. Client Access	Unlimited
Max. Device Access	Unlimited
Max. DVR Per Screen	Four 16 channel DVRs
Operation UI	Browser based
Authorization	Basic User profile Restrict user access by Camera, user view by map, access to live view, PTZ, playback, setup
Map	E-Map, Google Map Edit Map-Link Region Insert DVR Max. 4 Map level Unlimited Map
Video Compression	MPEG4, H.264
Live View	30 FPS 1x1, 2x2 views and single screen, quad, 9 up and 16 up view for each DVR Support Drag-and-Drop
Live Monitor	Unlimited Display Terminal Support TV Wall with unlimited Display Terminal
Playback & Search	Search by Date/Time, Event Archive Max. 16ch playback at the same time
PTZ Control Panel	Preset, Pattern, Tour, Auto Pan , Patrolling Multiple Patrolling Schemes

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EPR200

External DVD Burner



Specifications

Minimum System Requirements	
CPU	Intel Pentium III 800 MHz (Intel Pentium IV 1.0 GHz or above recommended)
Memory	256MB RAM (512MB or more recommended)
USB	USB 2.0 Port Connector
Peripherals	Windows: compatible display w/at least 1024x768 resolution, compatible mouse or pointing device, compatible sound card
Operating System	Microsoft Windows XP
Specifications	
Supported Products	EDR920/EDR1620/EDR1640 only
Read Speed	16x max. (DVD-ROM) and 48x max. (CD-ROM)
Write Speed	DVD+RW: 8x max. DVD+R: 16x max. DVD+R DL: 4x max. DVD-R: 16x max. DVD-RW: 6x max. CD-R: 48x max. CD-RW: 24x max.
Access Time	120 ms (CD), 140 ms (DVD)
Mechanism	Motorized tray load mechanism for horizontal and vertical use
Audio	Digital out and line out (MPC compatible)
Interface	IDE/ATAPI
Transfer Rate	PIO mode 4/Ultra DMA 33
Cache	2 MB
Compatibility	MPC Level 3, Multi-Read, PC2001
Supported	DVD-Rom, DVD-R, DVD-RW, DVD+R, DVD+R DL, DVD+RW, DVD-Video, CD-ROM, CD-ROM XA, CD-Audio, CD Extra, CD-Text, CD-I Ready, CD-Bridge, Photo-CD, Video CD, Hybrid CD
Writing Method	Disc at once, session at once, track at once with zero gap, variable or fixed packet, multi-session
Eject Pinhole	Yes
Dimensions (L x W x H)	276.9 x 154.9 x 45.7 mm / 10.9" x 6.1" x 1.8"
Weight	2.7 kg / 6 lbs

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EPR100C

Hard Drive Disk Reader



Specifications

Minimum System Requirements	
CPU	Intel Pentium IV 2 GHz processor or faster
Memory	256MB RAM (512MB or more recommended)
USB	USB 2.0 Port Connector
Peripherals (Windows)	Compatible display with at least 1024x768 resolution, compatible mouse or pointing device, compatible sound card, compatible CD-ROM drive
HDD	100MB hard disk space (additional disk space for video capture)
Operating System	Microsoft Windows 2000/XP
Specifications	
Supported Products	All EDR Series DVRs
Light Indication	2 LEDs for power and disk activity
Lock	HDD tray lock
Power Switch	Power On/Off
Interface Connector	USB type B connector
Power Connector	6 pin 5V / 12VDC
Operations	1, 4, 6, 9, or 16 multi-channel playback Playback forward/backward at 0.1~16x speed Pause Step forward/backward Jump to beginning or end of segment
Search	Search video by segment list, date/time, alarm list Slide bar to move video pointer, display current video date/time
Archive	Save still image to BMP or JPEG file, save video to AVI file, save disk raw data into proprietary file, save meta-data to text or binar
Power Consumption	1.5 amp
Dimensions (L x W x H)	276.9 x 154.9 x 45.7 mm / 10.9" x 6.1" x 1.8"
Weight	2.3 kg / 5 lbs

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

PowerCon 4.2

Remote Network Management Software



Features

- Unlimited number of managed systems (DVRs, network/ megapixel cameras, video servers and 3rd party applications)
- Local storage & video data printout or single picture on client PC
- Customizable multi-window view with scalable video windows
- Free definable multiviews with up to 16 DVR systems or network cameras, also mixed display of different DVRs (max. 256 cameras in 1 multiview with sixteen 16 ch. DVR*)
- Basic feature support for browser-based 3rd party applications
- Network monitor for visualizations of network traffic
- Remote DVR configuration (EDR & EDVR series DVRs only)
- Remote configuration of network cameras & video servers
- PTZ joystick control
- POS module for retail applications (optional)
- GPS module for object tracking (optional)
- Multi-monitor support (depending on PC configuration)
- Network alarm reception and management

Specifications

Processor	PC Pentium IV (1.6 or higher)/AMD Athlon (1.8 or higher)
Operating System	Windows XP, Service Pack 1 or 2, .NET Framwork 2.0
VGA Card	32 MB min., 16.7 million colors w/DirectX 9.0C support
USB	2.0 interface
Memory	512 MB RAM, 250 MB free HD space for installation, Min. 10 GB free HD space for storage
Media Player	Microsoft Media Player, version 8.x or higher, DirectX 9.0C
Mapview	Visualization of CCTV systems in areas or buildings with scalable maps/graphics (BMP or JPEG format)
Operation	Live and playback view
Supported DVRs	All EDR & EDVR Series
Cameras*	*w/version 4.3 or higher, incl. recording function
System Checker	Integrated background port checker w/alarm function for availability of DVRs & cameras in network support of external programs
Archive	Video archive to client PC hard drive, print images from client PC to local printer
Alarm	Network alarm reception and management
Access Rights	Advanced user rights management with individual user rights for functions and systems access

*Feature requires specific PC + network pre-conditions -- please contact your sales partner for further details.

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.



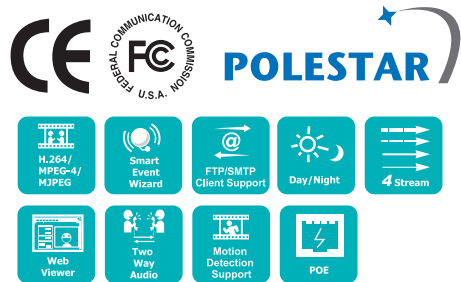
NeVio Series EZN850



IP Products

EAN850A

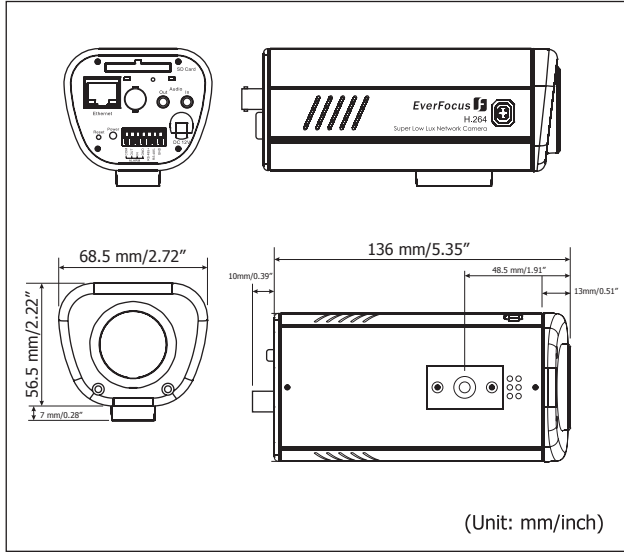
Box Type Network Camera with Super Low Lux and True Day/Night



Features

- H.264/MPEG-4/MJPEG digital signal output with up to 30FPS at full D1
- H.264/MPEG4/MJPEG output for simultaneous live monitoring and high resolution recording
- Support 4 independent video streams that can provide different compression formats and resolutions
- Power over Ethernet (PoE) IEEE 802.3af
- Built-in NeVio Express management software for viewing and recording at up to 16 cameras with pre-defined screen views and site address book
- BNC test monitor output for the convenience of quick focus and diagnostics right at the camera site
- Built-in Dynamic Noise Reduction (DNR) for noise reduction and a 70% saving of disk storage
- Super high sensitivity of 0.002 Lux/F=1.2 is achieved by setting SENS-UP Shutter x128
- Bandwidth control:64K/128K/256K/1M/2M/4M/8M bps
- Built-in 10Base-T/100Base-TX for remote monitoring via PC
- Support MDI/MDI-X auto crossover function
- Smart Wizard settings for various Event & schedule recordings
- Built-in SD memory card slot for local storage
- Support SD high capacity
- Built-in digital zoom function
- Two-way audio

Dimensions



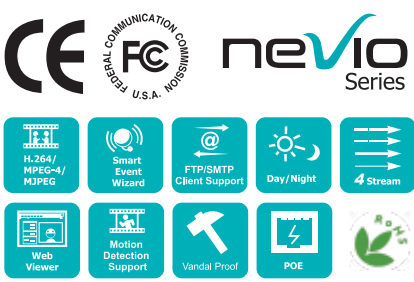
Specifications

CAMERA	
Pickup Device	1/3" Sony Super HAD Interlaced CCD
Pixel Effective	NTSC: 768 (H) x 494 (V) / PAL: 752 (H) x 582 (V)
Sensitivity	0.002 Lux/F=1.2 (SENS-UP x128), 0.25 Lux/F=1.2
Day/Night	True Day/Night with IR cut filter
Lens	C/CS mount, manual/DD control supported
Video Output	BNC socket, composite 1.0Vp-p / 75 ohm
Video Resolution	560 TVL
VIDEO STREAMING	
Video Compression	H.264/MPEG4/MJPEG
Video Resolution	D1, VGA, CIF, QVGA, QCIF - NTSC: 720x480, 640x480, 352x240, 320x240, 176x144, PAL: 720x576, 640x480, 352x288, 320x240, 176x144
Video Quality	8 levels adjustable
Frame Rate	Up to 30 FPS at full D1
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket. Support MDI/MDI-X auto cross function
Supported Protocols	HTTP, TCP / IP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Bandwidth Control	Min. 64 k bit per sec. adjustable
Max. Client Limit	32 clients simultaneously
Power Over Ethernet	Yes (PoE 802.3af)
TERMINAL I/O	
Alarm Input/Output	1 x 1
RS-485	RS-485 interface half-duplex
AUDIO	
Microphone	Built-in
Operation Mode	Two-way audio
EVENT MANAGEMENT	
Event Trigger	Alarm Input, Manual Trigger, Motion Detection and Schedule Recording
Notification	Trigger alarm output, email notification, upload video to FTP, record video to SD card, record video to PC and network alarm
Pre/Post Alarm Buffer	48MB RAM reserved for pre-alarm (record up to 120 sec.)
LOCAL STORAGE	
SD Card	SD card interface for local storage. Support SDHC
POWER	
Power Supply	12VDC & PoE
Power Consumption	5W max. (12VDC)
PHYSICAL	
Weight	550 g / 1.2 lbs
Dimension (L x W x H)	136 x 68.5 x 56.5 mm / 5.35" x 2.72" x 2.22"
ENVIRONMENTAL	
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Humidity	< 90% not condensing

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EDN850H

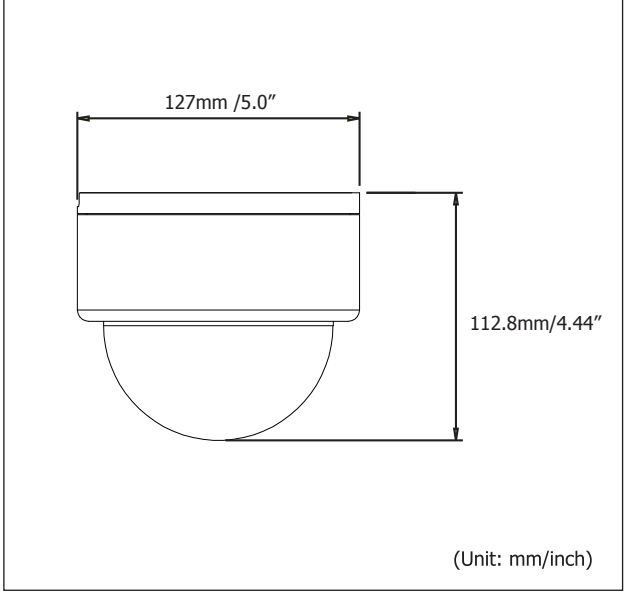
True Day/Night Outdoor Network Dome Camera



Features

- H.264/MPEG-4/MJPEG digital signal output with up to 30FPS at full D1
- H.264/MPEG4/MJPEG output for simultaneous live monitoring and high resolution recording
- Support 4 independent video streams that can provide different compression formats and resolutions
- Power over Ethernet (PoE) IEEE 802.3af
- Built-in NeVio Express management software for viewing and recording at up to 16 cameras with pre-defined screen views and site address book
- BNC test monitor output for the convenience of quick focus and diagnostics right at the camera site
- Built-in Dynamic Noise Reduction (DNR) for noise reduction and a 70% saving of disk storage
- Super high sensitivity of 0.002 Lux/F=1.2 is achieved by setting SENS-UP Shutter x128
- Bandwidth control:64K/128K/256K/1M/2M/4M/8M bps
- Built-in 10Base-T/100Base-TX for remote monitoring via PC
- Support MDI/MDI-X auto crossover function
- Smart Wizard settings for various Event & schedule recordings
- Built-in SD memory card slot for local storage (support SDHC)
- Built-in vari-focal 2.8~10mm lens
- Two-way Audio
- Vandal Resistant & Weatherproof IP66 rated

Dimensions



Specifications

CAMERA	
Pickup Device	1/3" Sony Super HAD Interlaced CCD
Picture Elements	NTSC: 768 (H) x 494 (V) / PAL: 752 (H) x 582 (V)
Sensitivity	0.002 Lux (SENS-UP 128x), 0.25 Lux/F=1.2
Day & Night	Yes (with IR cut filter)
Lens	Vari-Focal Lens with Auto Iris (2.8~10mm)
Video Output	BNC socket, composite 1 V p-p / 75Ω
Video Resolution	560 TVL
VIDEO STREAMING	
Video Compression	H.264/MPEG4/M-JPEG
Video Resolution	4CIF, VGA, CIF, QVGA, QCIF
Video Quality	8 levels adjustable
Frame Rate	Up to 30 FPS
AUDIO	
Audio Input/Output	3.5 mm stereo socket, sensitivity 1 Vrms
Compression	Method IMA ADPCM (Pulse Code Modulation)
Operation	Mode Two-way audio
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket
Support	MDI/MDI-X auto crossover function
Supported Protocols	HTTP, TCP / IP, UDP, RTP, RTSP, FTP, SMTP, DHCP, DNS, DDNS,NTP
Bandwidth Control	Min. 64 kbps adjustable
Max. Client	32 simultaneous clients
TERMINAL I/O	
Alarm Input	1 x input for dry contacts, N.O/N.C adjustable
Alarm Output	1 x dry relay contact, N.O/N.C adjustable
Power Output	70 VDC / 200 mA max
EVENT MANAGEMENT	
Event Trigger	Alarm input, Manual trigger, Motion detection and Schedule recording
Notification	Trigger alarm output, Send mail notification, Upload video to FTP, Record video to SD card, Record video to PC and Network alarm
Pre/Post Alarm Buffer	48MB RAM reserved for pre-alarm (record up to 120 sec)
LOCAL STORAGE	
SD Card	SD card interface for local storage. Support SDHC
POWER	
Power Supply	12 VDC & PoE
Power over Ethernet	Yes (PoE 802.3af)
Power Consumption	5W max. (12VDC)
PHYSICAL	
Weight	550 g / 1.2 lbs
Dimension (W x H)	127 x 112.8 mm / 5" x 4.4"
ENVIRONMENTAL	
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Humidity	< 90% not condensing

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EZN850

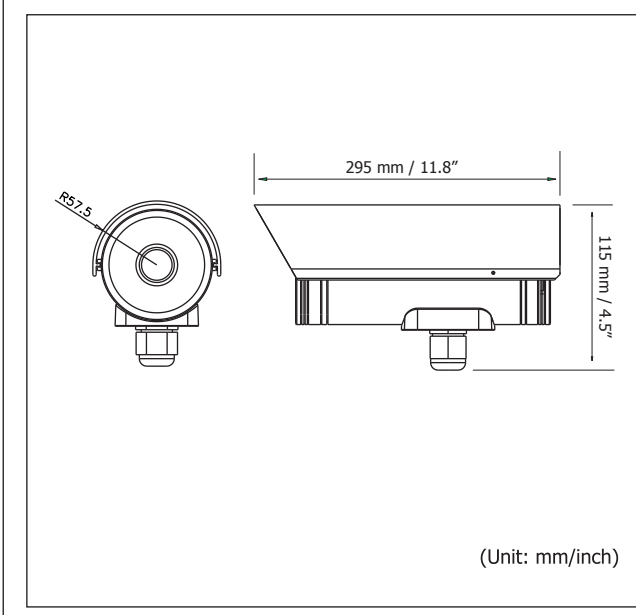
True Day/Night, Weatherproof IR Network Camera



Features

- H.264/MPEG4/MJPEG digital signal w/up to 30 FPS at full D1
- H.264/MPEG4/MJPEG streaming for simultaneous live monitoring and high resolution recording
- Low sensitivity 0.002 Lux/F=1.2 (SENS-UP x128)
- True Day/Night with IR cut filter
- Built-in motorized lens controller for 6~50mm lens zoom & focus (lens control also available via web browser)
- Cable Management Solution: cable wires can be placed inside camera housing and bracket for IP66 feature and prevents wire damage
- IR distance up to 50 M/164 ft. with vari-frequency IR control
- Built-in NeVio Express management software for viewing & recording at up to 16 cameras with pre-defined screen views and site address book
- BNC test monitor output for the convenience of quick focus and diagnostics right at the camera site
- Smart Wizard settings for various event & schedule recording
- Built-in SD memory card slot for local storage
- Supports SD High Capacity (SDHC)
- Motion detection and privacy area function
- Vandal resistant to withstand intentional destruction
- Built-in heater and IP66 to endure all weather conditions

Dimensions

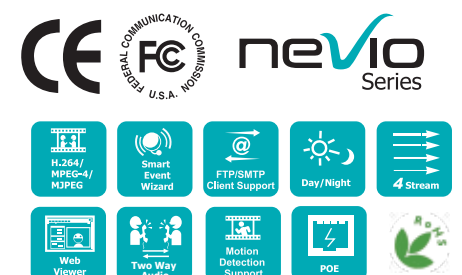


Specifications

CAMERA	
Pickup Device	1/3" Sony Super HAD Interlaced CCD
Pixel Effective	NTSC: 768 (H) x 494 (V) / PAL: 752 (H) x 582 (V)
Sensitivity	0.002 Lux/F=1.2 (SENS-UP x128), 0 Lux (IR On)
Day/Night	True Day/Night with IR cut filter
Lens	Vari-focal 6~50mm lens (9x optical zoom)
Video Output	BNC socket, composite 1.0 Vp-p / 75 ohm
Video Resolution	560 TVL
IR Distance	50 meters / 164 feet
IR Wavelength	850nm
IR LED Lifespan	Up to 20,000 hours
VIDEO STREAMING	
Video Compression	H.264/MPEG4/MJPEG
Video Resolution	D1, VGA, CIF, QVGA, QCIF: NTSC: 720x480, 640x480, 352x240, 320x240, 176x144, PAL: 720x576, 640x480, 352x288, 320x240, 176x144
Video Quality	8 levels adjustable
Frame Rate	Up to 30 FPS at full D1
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket. Support MDI/MDI-X auto cross function
Supported Protocols	HTTP, TCP / IP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Bandwidth Control	Min. 64 k bit per sec. adjustable
Max. Client Limit	32 clients simultaneously
Power Over Ethernet	Yes (PoE 802.3af)
TERMINAL I/O	
RS-485	RS-485 interface half duplex
Alarm Input/Output	1 x 1
Power Output	12VDC
EVENT MANAGEMENT	
Event Trigger	Alarm Input, Manual Trigger, Motion Detection and Schedule Recording
Notification	Trigger alarm output, email notification, upload video to FTP, record video to SD card, record video to PC and network alarm
Pre/Post Alarm Buffer	48 MB RAM reserved for pre-alarm (record up to 120 sec.)
LOCAL STORAGE	
SD Card	SD card interface for optional storage. Supports SDHC
POWER	
Power Supply	24VAC
Power Consumption	28 W max.
PHYSICAL	
Weight	2.5 kg/5.5 lbs (w/out bracket), 3 kg /6.6 lbs (w/bracket)
Dimensions (W x H)	295 x 115 mm / 11.8" x 4.5"
ENVIRONMENTAL	
Operating Temp.	-40°C ~ 50°C / -40°F ~ 122°F
Humidity	< 90% not condensing
Vandal Resistent	Yes
Weatherproof	IP66 Rated

EAN800A/AW

Advanced Network Camera

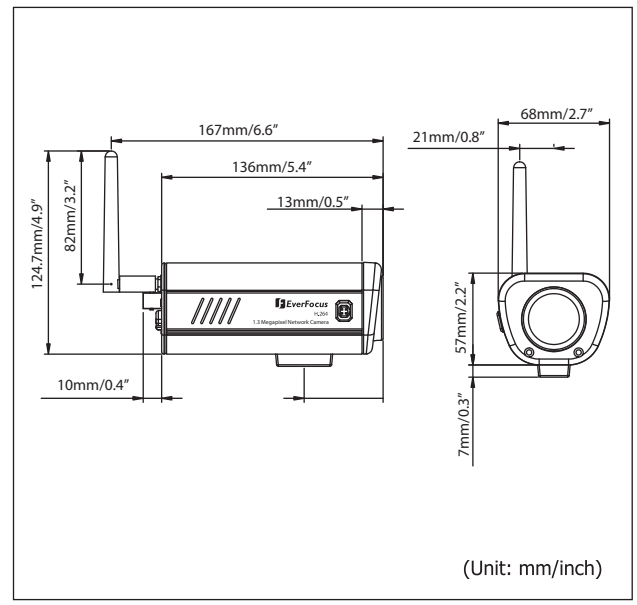


* Lens sold separately

Features

- H.264/MPEG4/MJPEG digital signal output with up to 30 FPS at 704x480
- Support H.264/MPEG4/MJPEG triple stream for simultaneous live monitoring and high resolution recording
- 12VDC & PoE dual power
- Power over Ethernet (PoE) IEEE 802.3af
- Built-in NeVio Express management software for viewing and recording at up to 16 cameras with pre-defined screen views and site address book
- BNC test monitor output for the convenience of quick focus and diagnostics right at the camera site
- Support MDI/MDI-X auto crossover function
- Smart Event Wizard for motion detection, schedule and alarm recording to PC or SD card
- Email notification or FTP video upload upon motion detection and/or alarm
- Built-in SD memory card slot for local storage and support SDHC
- Manage AGC, BLC, FL, ES, H-Mirros, IRIS Level and Day/Night through web browser
- Two-way audio
- Built-in IEEE 802.11b/g for WLAN

Dimensions



Specifications

CAMERA	
Pickup Device	1/3" Sony Super HAD Interlaced CCD
Pixel Effective	NTSC: 768 (H) x 494 (V) / PAL: 752 (H) x 582 (V)
Sensitivity	0.4 Lux / F=1.2
Day/Night	Yes
Lens	Optional C/Cs mount, manual / DD control supported
Video Output	BNC socket, composite 1 V p-p / 75
Video Output Resolution	520 TVL
VIDEO STREAMING	
Video Compression	H.264/MPEG-4/M-JPEG
Video Resolution	4CIF, VGA, CIF, QVGA, QCIF
Video Quality	8 levels (adjustable)
Frame Rate	Up to 30fps
AUDIO	
Microphone	Built-in
Operation Mode	Two-way audio
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket Support MDI/MDI-X auto crossover function
Supported Protocols	Built-in IEEE 802.11b/g WLAN (EAN800AW) HTTP, TCP / IP, UDP, RTP, RTSP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Bandwidth Control	Min. 64 kbps adjustable
Client Limit	32 clients simultaneously (max.)
TERMINAL I/O	
Alarm Input/Output	1/1
RS-485	RS-485 interface half-duplex
EVENT MANAGEMENT	
Event Trigger	Alarm Input, Manual Trigger, Motion Detection and Schedule Recording
Notification	Trigger alarm output, Send mail notification, Upload video to FTP, Record video to SD card, Record video to PC and Network alarm
Pre/Post Alarm Buffer	48MB RAM reserved for pre-alarm record up to 120 sec.
LOCAL STORAGE	
SD Card	Secure Disk physical layer specification version 2.0 Supports SDHC Host Specification
POWER	
Power Supply	12 VDC & PoE
Power over Ethernet	Yes (PoE 802.3af 48VDC)
Power Consumption	EAN800A: 5W max. (12VDC) EAN800AW: 6.5W max. (12VDC)
PHYSICAL	
Weight	550g / 1.102 lbs.
Dimensions (L x W x H)	146 x 68.5 x 56.5 mm / 5.7" x 2.72" x 2.22" (w/BNC socket) 167 x 68.5 x 125 mm / 6.6" x 2.7" x 4.9" (w/antenna)
ENVIRONMENTAL	
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Humidity	< 90% not condensing

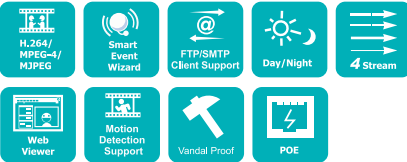
Ordering Information

- **EAN800A:** NeVio Series Day/Night Network Box Style Camera
- **EAN800AW:** NeVio Series Day/Night Network Box Style Camera, WIFI

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EDN800

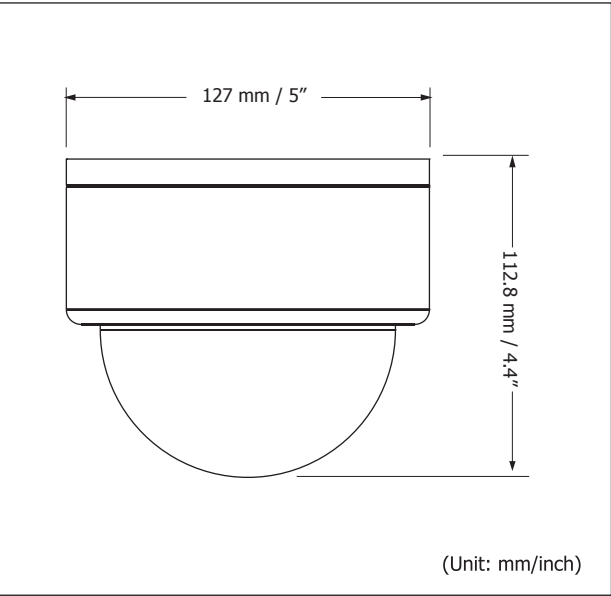
Network Vandal Dome Camera with Day/Night



Features

- H.264, MPEG4 and MJPEG digital signal with up to 30 FPS at full D1
- H.264/MPEG4/MJPEG streaming for simultaneous live monitoring and high resolution recording
- Support 4 independent video streams to provide different compression formats and resolutions
- Day/Night for 24 hour monitoring with high sensitivity of 0.4 Lux/F=1.2
- Manual Pan/Tilt mechanism for easy lens adjustment
- Power over Ethernet (PoE) IEEE 802.3af
- Support MDI/MDI-X auto crossover function
- Bandwidth control: 64K/128K/256K/1M/2M/4M/8M bps
- Built-in NeVio Express management software for viewing and recording at up to 16 cameras w/pre-defined screen views and site address book
- BNC test monitor output for the convenience of quick focus and diagnostics right at the camera site
- Built-in 10Base-T/100Base-TX network for remote monitoring via PC
- Smart Wizard settings for various event & schedule recording
- Built-in SD memory card slot for local storage
- Supports SD High Capacity (SDHC)
- Built-in digital motion detection and digital zoom function
- Vandal resistant to withstand intentional destruction

Dimensions



Specifications

CAMERA	
Pickup Device	1/3" Sony Super HAD Interlaced CCD
Pixel Effective	NTSC: 768 (H) x 494 (V) / PAL: 752 (H) x 582 (V)
Sensitivity	0.4 Lux/F=1.2
Day/Night	Yes
Lens	Vari-focal 3.7mm~12mm lens
Video Output	BNC socket, composite 1 Vp-p / 75 ohm
Video Resolution	520 TVL
VIDEO STREAMING	
Video Compression	H.264/MPEG4/MJPEG
Video Resolution	D1, VGA, CIF, QVGA, QCIF - NTSC: 720x480, 640x480, 352x240, 320x240, 176x144, PAL: 720x576, 640x480, 352x288, 320x240, 176x144
Video Quality	8 levels adjustable
Frame Rate	Up to 30 FPS at full D1
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket. Support MDI/MDI-X auto cross function
Supported Protocols	HTTP, TCP / IP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Bandwidth Control	Min. 64 k bit per sec. adjustable
Max. Client Limit	32 clients simultaneously
Power Over Ethernet	Yes (PoE 802.3af)
TERMINAL I/O	
Alarm Input/Output	1 x 1
EVENT MANAGEMENT	
Event Trigger	Alarm Input, Manual Trigger, Motion Detection and Schedule Recording
Notification	Trigger alarm output, email notification, upload video to FTP, record video to SD card, record video to PC and network alarm
Pre/Post Alarm Buffer	48 MB RAM reserved for pre-alarm (record up to 120 sec.)
LOCAL STORAGE	
SD Card	SD card interface for local storage. Support SDHC
POWER	
Power Supply	12VDC & PoE
Power Consumption	5W max. (12VDC)
PHYSICAL	
Weight	550 g / 1.2 lbs
Dimension (W x H)	127 x 127.8 mm / 5" x 4.4"
ENVIRONMENTAL	
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Humidity	< 90% not condensing
Vandal Resistent	Yes

Ordering Information

• **EDN800:** NeVio Series Network Vandal Dome Camera with Day/Night

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EPN3600/3100/3100i

H.264 Network Speed Dome w/36x or 30x Zoom & Auto Tracking



EPN3600/3100 Outdoor H.264 PTZ with Wall Mount

EPN3100i Indoor H.264 PTZ with Concrete Ceiling Mount

Features

- H.264/MPEG4/MJPEG w/up to 30 FPS at 740x480
- H.264/MPEG4/MJPEG streaming for simultaneous live monitoring and high resolution recording
- Support 3 independent video streams to provide different compression formats and resolutions
- True Day/Night with ICR module for 24 hour monitoring
- Dynamic Noise Reduction (EPN3100/3100i only) to improve picture clarity while conserving up to 70% of storage space
- Wide Dynamic Range expansion to deliver properly exposed images despite bright light sources, deep shadows and/or unbalanced lighting in the same scene
- Digital Slow Shutter to automatically adjust shutter speed in various light conditions
- Privacy Zone Masking (up to 8 different areas per screen with selectable masking color)
- Power over Ethernet (PoE) IEEE 802.3af
- Support MDI/MDI-X auto crossover function
- Bandwidth control: 64K/128K/256K/1M/2M/4M/8M bps
- Built-in 10Base-T/100Base-TX network for remote monitoring via PC
- Smart Wizard settings for various event & schedule recording
- Excellent position accuracy to ±0.1 degree
- Pan/tilt speed from 0.1° to 360° per second
- 192 preset positions available (max.)
- Programmable auto panning (16 tours, 4 patterns)
- Digital Flip function automatically enables 180° turn for improved tracking of an object in motion
- Enhanced Auto-Resume & Power-Up feature
- Weatherproof IP66 rated to endure all weather conditions (except EPN3100i)
- Simple "snap & lock" installation

Specifications

Model	EPN3600	EPN3100/3100i
Pickup Device	1/4" Sony Ex-View HAD CCD	1/4" Sony CCD
Video Format	NTSC/PAL	
Scanning System	NTSC: 525 TV Lines, 60 fields/sec, PAL: 625 TV Lines, 50 fields/sec	
Picture Elements	768 x 494 (NTSC) / 752 x 582 (PAL)	
Horizontal Resolution	530 TVL	520 TVL
Min. Illumination	Normal: 1.4 Lux Night Mode: 0.01 Lux (ICR On)	Normal: 0.4 Lux/F1.6 Night Mode: 0.08 Lux/F1.6 (ICR On)
S/N Ratio (AGC Off)	50dB	
Electronic Shutter	1~1/10,000(s)	128x 1~1/120,000(s)
Digital Slow Shutter	60x (50x for PAL)	128x
Shutter Selection	AUTO, A.FLK, Manual 1~1/10,000 selectable f=3.4mm (wide) to 122.4mm (tele), F1.6 to F4.5	AUTO, A.FLK, Manual (1/50) ~ 1/120,000 selectable f=3.3mm (wide) to 99mm (tele), F1.6 to F3.2
Lens Type	432x max. 36x optical & 12x digital	240x max. 30x optical & 8x digital
Zoom Ratio	H.264/MPEG4/MJPEG	
Picture Compression	NTSC: 720x480, 640x480, 352x240, 320x240, 176x144	
Picture Resolution	PAL: 720x576, 640x480, 352x288, 352x288, 176x144	
Streaming Frame Rate	1~30 FPS (NTSC) / 1~25 FPS (PAL) adjustable	
Focus Control	One Push/Auto/Manual	
Iris Control	Auto/Manual	
True Day/Night	Yes (Auto/Day/Night)	
Auto Gain Control	Yes (Auto/Manual)	Yes (Off/Low/Mid/High)
Backlight Comp.	Yes (Off/On)	Yes (Off/Low/Mid/High)
Wide Dynamic Range	Yes (Off/On)	Yes (Off/On/Auto)
Dynamic Noise Reduction	N/A	Yes (Off/Low/Mid/High)
White Balance	Auto/Indoor/Outdoor	Indoor/Outdoor/MAN5100K/ MAN3200K/MAN2000K/One Push Yes (Off/On)
Motion Detection	Yes (4 zone)	Yes (8 zone)
Privacy Zone Masking	Yes (8 zone)	
Video Output	1Vp-p/75ohm	
Audio Streaming	Two-way audio	
Audio Compression	ADPCM (Pulse Code Modulation) U-Law	
Audio Input/Output	External mic. input, line input, line level output	
Auto Tracking	Tracking Mask, Pan/Tilt Limits, Manual Tracking	
Horizontal Rotation Speed	0.01°~360°/sec. (1~255 grade shift gears)	
Manual Pan/Tilt Speed	0.01°~180°/sec.	
Position Accuracy	±0.1°	
Horizontal Rotation Range	360° unlimited rotation	
Tilt Rotation Range	180° pendulum motion	
Auto Speed Control	2 points scanning (automatic: based on changing of zoom length)	
Auto Pan	Can be set freely	
Auto Pan Speed	1~255 grade available, 0.01°~360°/sec.	
Dwell Time	1~99 second available (2 points)	
Preset Positions	192 positions	
Running to Position Speed	1~255 grade available, 0.01°~360°/sec.	
Tour	16 groups, 16 preset positions per group	
Pattern	4 patterns with 90 seconds	
Network Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket	
Supported Protocols	HTTP, TCP/IP, FTP, SMTP, DHCP, DNS, DDNS, NTP	
Bandwidth Control	Min. 64k byte per second adjustable	
Alarm	4 in, 2 out (triggered by Intelligent Event & external input)	
Power Source	24VAC	
Power Consumption	30W max.	
Dimensions (W x H)	180 x 280mm/7.1" x 11" (EPN3600/3100) 159 x 230mm/6.3" x 9.1" (EPN3100i)	
Weight	3 kg / 6.62 lbs	
Operating Temp.	-40°C~50°C / -40°F~122°F 95% (EPN3600/3100) -10°C~50°C / 14°F~122°F 85% (EPN3100i)	

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

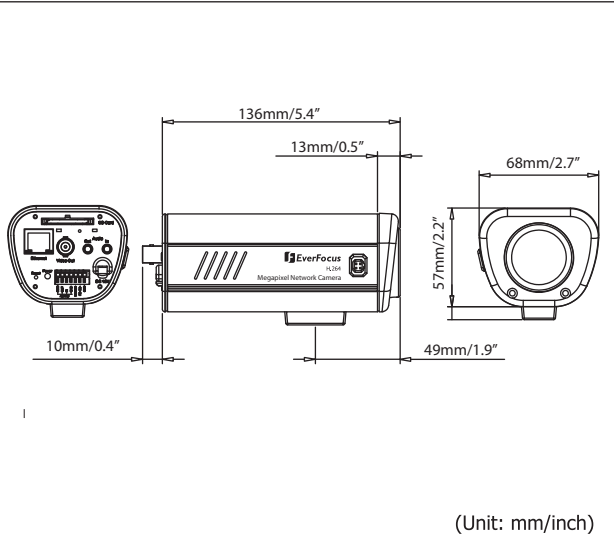
EAN9001.3 Megapixel Box Style Network Camera



* Lens sold separately

- Features**
- 1/3" Progressive Scan CMOS sensor with 1.3 megapixel
 - H.264/MPEG4/MJPEG digital signal output with 15 FPS at 1280x1024 image size
 - H.264/MPEG4/MJPEG multi-stream output for simultaneous live monitoring and high resolution recording
 - 12VDC & PoE dual power
 - Power Over Ethernet (PoE) IEEE 802.3af
 - True Day/Night with ICR module
 - Built-in NeVio Express management software for viewing and recording at up to 16 cameras w/pre-defined screen views and site address book
 - BNC test monitor output for the convenience of quick focus and diagnostics right at the camera site
 - Easy-to-use Smart Event Wizard for event, schedule and alarm recording to PC or SD card
 - Alarm triggers when motion is detected
 - Email notification or FTP video upload upon motion detection and/or alarm
 - Built-in SD memory card slot for local storage and support SDHC
 - Built-in digital motion detection feature
 - Two-way audio

Dimensions



Specifications

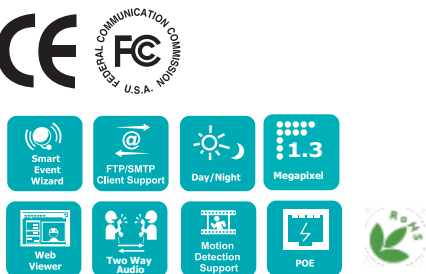
CAMERA	
Pickup Device	1/3" Progressive scan CMOS 1.3 Megapixel
Pixel Effective	1280 (H) x 1024 (V)
Sensitivity	0.5 Lux/F=1.2
Day & Night	True Day/Night with ICR module
Lens	Optional C/CS mount, manual/DD control supported
Video Output	BNC socket, composite 1 V p-p / 75
VIDEO STREAMING	
Video Compression	H.264/MPEG-4/M-JPEG
Max. Video Resolution	1280x1024
Video Quality	8 levels adjustable
Frame Rate	Up to 15 FPS in 1280x1024
AUDIO	
Microphone	Built-in
Operation Mode	Two-way audio
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket. Support MDI/MDI-X auto cross function
Supported Protocols	HTTP, TCP / IP, UDP, RTP, RTSP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Bandwidth Control	Min. 64 kbps adjustable
Max. Client Limit	32 simultaneous clients
TERMINAL I/O	
Alarm Input/Output	1/1
RS-485	RS-485 interface half-duplex
EVENT MANAGEMENT	
Event Trigger	Alarm Input, Manual Trigger, Motion Detection and Schedule Recording
Notification	Trigger alarm output, email notification, upload video to FTP, record video to SD card, record video to PC and network alarm
Pre/Post Alarm Buffer	48MB RAM reserved for pre-alarm (record up to 120 sec.)
LOCAL STORAGE	
SD Card	SD card interface for local storage. Support SDHC
POWER	
Power Supply	12 VDC & PoE
Power Over Ethernet	Yes (PoE 802.3af 48VDC)
Power Consumption	4.5W max. (12VDC)
PHYSICAL	
Weight	550 g / 1.21 lbs
Dimensions (L x W x H)	136 x 68.5 x 56.5 mm / 5.35" x 2.72" x 2.22" (w/BNC socket)
ENVIRONMENTAL	
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Humidity	< 90% not condensing

Ordering Information

• **EAN900:** 1.3 Megapixel Box Style Network Camera

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EAN13501.3 Megapixel CCD Network Box Camera with Day/Night



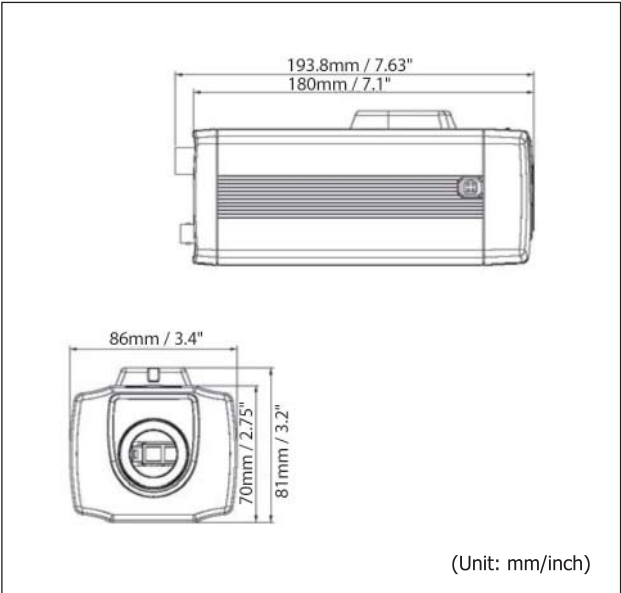
* Lens sold separately

- Features**
- 1.3 Megapixel Progressive Scan CCD sensor for high definition video
 - Progressive scan technology for clear reproduction of fast moving objects
 - Simultaneous MPEG4/MJPEG dual codec
 - High sensitivity Day/Night mode with auto IR cut filter removal technologies and CCD sensor
 - Point and see small details of any object with digital pan/tilt and electronic zoom
 - 2-way audio
 - C/CS mount DC lens exchangeable with backfocus adjustment
 - Power Over Ethernet (PoE) to eliminate the need for local camera power

Specifications

CAMERA	
Sensor Type	1/3" Progressive CCD
Effective Pixels	Full scan mode: 1280x960, 4-pixel addition mode: 640x480
Electronic Shutter	1:50 ~ 1:10,000
Digital Slow Shutter	2x ~ 32x max. / Off
AGC	3 levels
AWB	Auto/Manual/Indoor/Outdoor
Day/Night	IR cut filter: Automatic/Manual/Ext. Contact Mode
Lens Mount	CS-Mount/C-Mount, DC Drive, Backfocus Adjustment
Minimum Illumination	1 Lux/F=1.2 (color mode), 0.2 Lux/F=1.2 (b/w mode)
Signal Standard	NTSC/PAL
Video Output	BNC composite 1 V-p (switchable between video out and IP streaming)
Compression	MPEG4/MJPEG (dual streaming)
Frame Rate	12.5 FPS max. (JPEG 1260x980)
Resolution	25 FPS max. (MPEG4 640x480), configurable
	MPEG4: 640x480, 352x288, 320x240, 176x144
Pan/Tilt	MPEG: 1260x960, 640x480, 352x288, 320x240, 176x144
	Digital and support for RS-485 PTZ devices
Motion Detection	Yes (3 zones)
Video Streaming	RTSP/RTP/UDP, RTSP/RTP/TCP
Protocols	RTSP/RTP HTTP tunner, LAN multi-cast
OSD	Time, time and date (configurable)
Audio Input	1 line in, 3.5mm stereo sockets
Audio Output	1 line out, 3.5mm stereo sockets
Audio Mode	Duplex/Ful Duplex/Simplex
LAN Port	RJ-45, 10/100M auto-sensed, auto crossover
Communication Protocol	HTTP, RTSP 7 FTP, SMTP, TCP/IP, UDP, ARP, ICMP, DHCP, PPPoE, DDNS, UpnP, SAMBA
Alarm	2x input, 1 relay output, screwless terminal
RS-485	1x RS-485 telemetry out (Pelco-D/P), screwless terminal
Status LED	3x status, network line/traffic
Power Source	12VDC/24VAC
Power Consumption	8W max. or PoE 802.3 af
Dimensions (L x W x H)	180 x 86 x 81 mm / 7.1" x 3.4" x 3.2"
Operating Temperature	0°C ~ +55°C / 32°F ~ 131°F
Storage Temperature	-20°C ~ +70°C / -4°F ~ 158°F
Humidity	10% ~ 95%, non-condensing
Weight	600g / 1.3 lbs

Dimensions

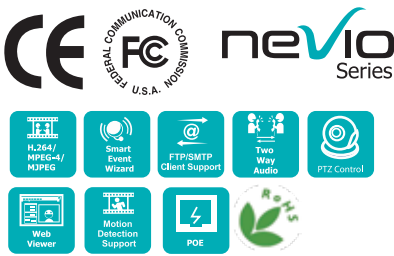


Ordering Information

• **EAN1350:** 1.3 Megapixel CCD Network Box Camera with Day/Night

*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

EVS200A/AW
2 Channel H.264 Video Encoder



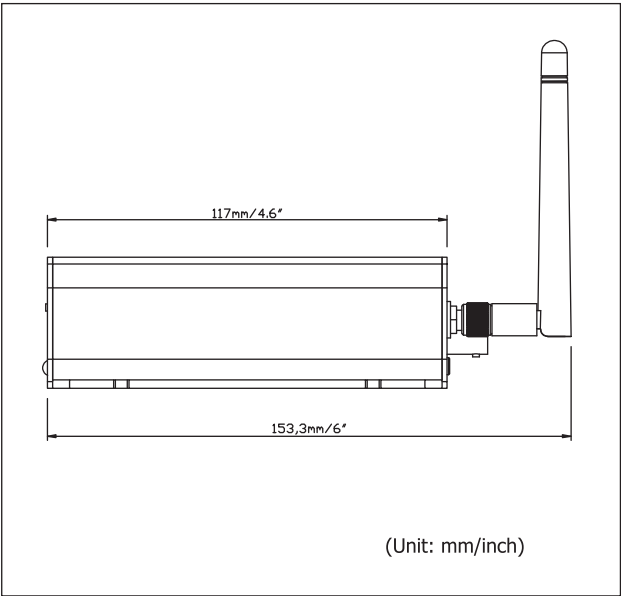
Features

- High quality H.264/MPEG-4 and MJPEG multi-stream output at 4CIF resolution @ 60 FPS
- Support H.264/MPEG4/MJPEG triple stream (per channel) for simultaneous live monitoring and high resolution recording
- Smart Wizard setting for varies Event and Schedule recording
- Support PTZ control
- Built-in SD memory card slot for local storage
- Supports SDHC
- Two-way Audio
- 12VDC & PoE dual power
- Space saving with compact-size design
- Wireless option available (EVS200AW)

Specifications

VIDEO STREAMING	
Video Compression	H.264/MPEG-4/M-JPEG
Video Resolution	4CIF, VGA, CIF, QVGA, QCIF
Video Quality	8 levels adjustable
Frame Rate	Up to 30 FPS
Video Source	2 BNC composite, 1 V p-p / 75Ohm NTSC/PAL (auto detection)
AUDIO	
Compression Method	IMA ADPCM (Pulse Code Modulation)
Operation Mode	2 way audio
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket. Support MDI/MDI-X auto crossover function
Supported Protocols	HTTP, TCP / IP, UDP, RTP, RTSP, FTP, SMTP, DHCP, DNS, DDNS, NTP
Bandwidth Control	Min. 64 kbps adjustable
Max. Client Limit	32 simultaneous clients
WIRELESS (EVS200AW)	
Standard	IEEE 802.11b/g
Antenna Gain	2 dBi
TERMINAL I/O	
Alarm Input/Output	2/2
Serial Connector	RS485
EVENT MANAGEMENT	
Event Triggered	Alarm input, Manual trigger, Motion detection and Schedule recording
Notification	Trigger alarm output, Send mail notification, Upload video to FTP, Record video to SD card, Record video to PC and Network alarm
Pre/Post Alarm Buffer	48MB RAM reserved for pre-alarm (record up to 120 sec.)
LOCAL STORAGE	
SD Card	SD card interface for local storage. Support SDHC
POWER	
Power Supply	12 VDC & PoE
Power over Ethernet	Yes (PoE 802.3af)
Power Consumption	4.5W max. (12VDC)

Dimensions



*Models vary in different countries. Please visit your EverFocus regional website for detailed ordering information.

NeVio Express Software
Free Bundle 16 Ch. NeVio Express Software



Embedded with all NeVio Series!

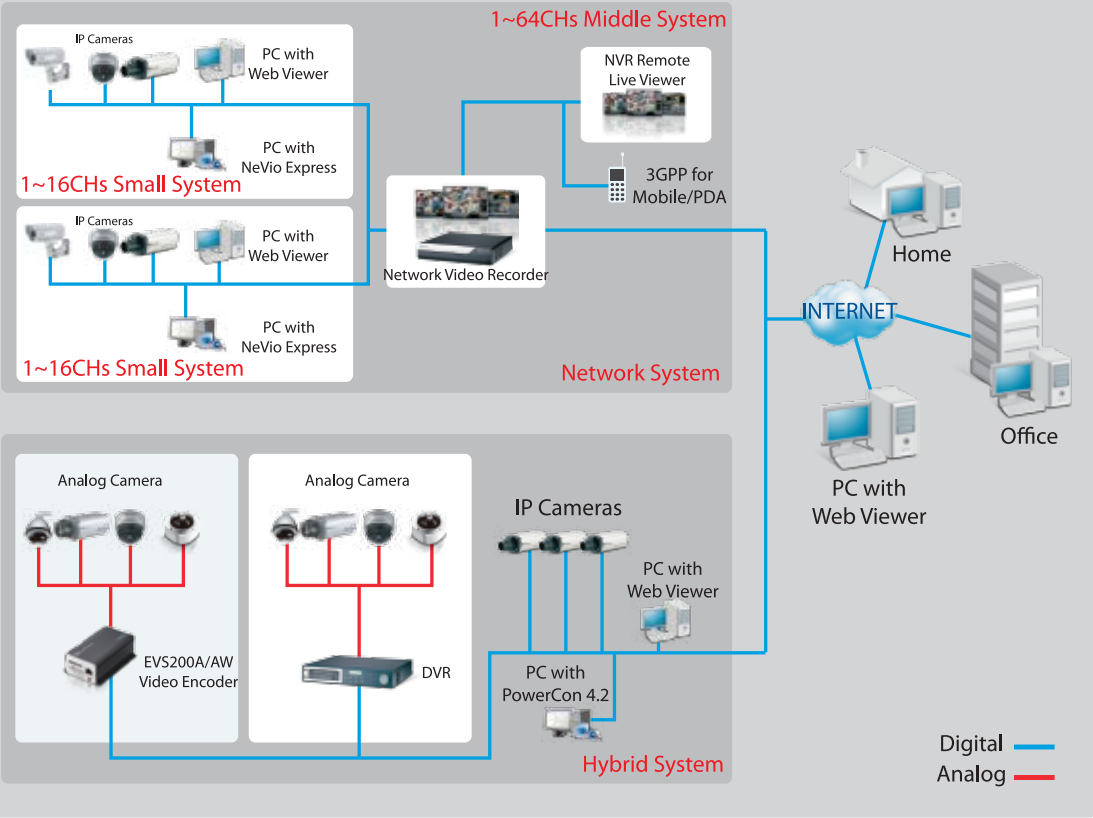
NeVio Express is a web-based video management software designed for multi-channel viewing, playback and recording. The software comprise a user-friendly installation procedure that will guide you though the simple steps to managing your video via a web browser. NeVio Express software is easy to install and easy to use, offering a simple solution to remote video management.

Features

- Manage up to 16 NeVio Series network cameras
- Triplex operation: simultaneous live viewing, playback and recording
- Browser based software
- Easy to use, easy to install
- Manage schedule, event and manual recording to local PC
- Remote viewing and playback

System Example

Professional Network Surveillance System utilizes cameras with built-in web servers and Ethernet port, running on an network (LAN/WAN/Internet), which generate high-quality images that can be accessed, monitored, recorder anywhere in the world.



*All product specifications are subject to change without notice

*All product specifications are subject to change without notice

NVR Software

NVR Surveillance Management Software



Features

- Supports EverFocus NeVio series IP cameras, megapixels cameras, 3rd party video encoders/IP cameras and more
- Accepts MPEG4/MJPEG/H.264 video formats
- Remote PTZ operation supports PTZ reaction presets
- Multiple monitor display with up to 64 cameras in Live View and up to 16 cameras in Playback view
- Local view with 1 or (optional) 2 monitors for Live View plus (optional) 1 monitor dedicated for simultaneous Playback View
- Remote Live View with 1 or (optional) 2 monitors (or 1 monitor for Playback View only)
- Smart detection of many types of camera, input, POS and system events, with 10 potential instant alarm responses (e.g, email alert & E-map popup)
- Complete I/O device integration
- Intelligent playback system with 5 video analytics searches
- Remote client live viewer, playback, backup, I/O control and remote desktop operation
- Joystick support on PTZ cameras and software enabled digital PTZ function are both available. Preset points and patrol functions are also available on many camera models
- User friendly graphical user interface (GUI) with camera drag and drop for setup and recording, familiar to all users with basic PC knowledge
- Audio and video recording synchronization
- Watermark capability
- Resource Management tool can monitor system resources and trigger instant alarm notifications
- DDNS functionality
- 3GPP/PDA/Mobile Handy Viewer support
- Remote I/O control
- Video enhancement tools to fine tune the image's visibility, sharpness, brightness, contrast or even grayscale
- Export to AVI or ASF file format
- Take a snapshot of the recording in BMP or JPEG format to print or file
- Back up video images to USB drives, CD/DVD or HDD
- Schedule recording can be set by day, week or repeating interval
- Intelligent Search (general motion, missing object, foreign object, camera occlusion and signal lost)
- Counting application with direction for certain objects or areas
- Unusual events are recorded to the system log, and counting application results can be exported to an Excel or text file for analysis

Specifications

IP Camera Input(s)*	Up to 64 (depending on licenses purchased) <small>*Models vary. Contact EverFocus for exact list of supported models</small>
IP Cameras Supported	EverFocus NeVio and other IP cameras in addition to 3rd party video encoders and IP cameras
Digital PTZ	Supported in live view and playback
Multiple View	Zoom function preserves live view by duplicating the same video feed onto multiple channels in different areas
Triple Monitor	Up to 64 live camera views each on two monitors in addition to displaying playback video on a separate monitor
Audio Recording	Synchronized with video on each channel
Screen Layout	Single, 6, 10 & 13 plus NxN up to 64 cameras (16 on playback)
Compression Format	MPEG4/M-JPEG/H.264 supported
Recording Type	Continuous, digital input trigger, on motion detection, on event manual and per schedule
Playback Channels	Up to 16 channels max. displayed
Playback Control	Forward/reverse step and play fast (to 16x) and slow (to 1/16x)
Auto Overwrite	Oldest recordings recycled when disk is full
Additional I/O Functions	Optional expansion module
POS Input	Optional POS interface serial data to Ethernet
Hardware Watchdog	N/A
Supported Languages	Chinese (Simplified & Traditional), Czech, Danish, English, Farsi, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Portuguese (Brazil), Portuguese (Portugal), Russian, Slovak, Spanish

SYSTEM REQUIREMENTS

Total FPS at CIF	1200~600	600~480	480~240	240~120	120~
CPU	Intel Core 2 Quad Q6600	Intel Core 2 Duo E6400	Intel Pentium D930	Intel P4 2.8 GHz	Intel P4 2.8 GHz
RAM	2 GB	1 GB	1 GB	512 MB	512 MB
Motherboard	Intel 945, 965 chip or above, Intel Chipset and ASUS vendor recommended				
Display	Ati Radeon 9200, nVIDIA GeForce FX-5200, Intel 945G/965G or above (ATI recommended)				
Ethernet	100 bastT or above, Gigabit LAN recommended				
Hard Disk	80 GB or above				
OS	MS Windows 2000/XP Pro SP2/2003				



EIR series



CCTV Lenses



Accessories

EN-7515C/EN-7517C
EN-7519C

15", 17" or 19" Premium LCD DVR Monitor



Features

- 15", 17" or 19" LCD DVR monitor
- Active matrix TFT
- HDMI input
- BNC/S-Video/VGA
- Multi-lingual language support
- Compatible with VESA™ DDC
- 3D comb filter
- UL, CB, FCC, CE Listed
- Remote control included

Specifications

Model	EN-7515C	EN-7517C	EN-7519C
Screen Size	15"	17"	19"
Viewing Area (mm)	N/A	337x270	376x301
Pixel Type	Active Matrix TFT		
Max. Resolution	1024 x 768 @ 60Hz	1280x 1024 @ 60Hz	
Pixel Pitch	0.297x0.297 mm	0.264x0.264 mm	
Brightness	250cd/m ²	300cd/m ²	
Contrast Ratio	450:1	1000:1	
Aspect Ratio	4:3	5:4	
Viewing Angle (H/V)	130°/110°	160°/160°	
Display Color	16.2 million		16.7 million
Response Time	<12ms	< 5ms	
Video System	NTSC/PAL		
Frequency (H)	31~48 KHz	31 ~ 64 KHz	
Frequency (V)	55 ~ 75Hz		
Built-in Speakers	Yes (2Wx2)		
Gradual Volume Increase	Yes		
Video In/Out (BNC Type)	2/2		
S-Video In/Out	1/1		
VGA In (15 Pin D-Sub)	1		
DVI In	No		
Audio In/Out (RCA Type)	1		
PC Stereo In	2 set (L+R)	1 set (L+R), no output	
Filter Type	3D Comb Filter/DeInterlace		
Dimensions (w/stand)	348x289.6x134.6 mm / 13.7" x 11.4" x 5.3"	436.8x475x226 mm / 17" x 15" x 8.9"	500x515x240 mm / 20" x 20.3" x 9.4"
Net Weight	4.8 kg / 10.6 lbs	5.9 4kg / 13.1 lbs	6.6 kg / 14.6 lbs
Gross Weight	N/A	7.66 kg / 16.9 lbs	8.43 kg / 18.6 lbs
VESA Mounts Size	75x75mm (BS M4 x 10mm screw)	100x100 mm (BS M4 x 10mm screw)	
Parts/Labor	2 years/2 years		
MTBF (approx.)	50,000 hours		
Regulations	TUV-NRTL (same as UL), CB, FCC(A), CE-EMC(LVD)		
Power Consumption	< 35W	< 36W	
Power Source	AC100~240V (50/60Hz), 12VDC/3.5A	AC100~240V (50/60Hz), 12VDC / 4.12A	
Operating Temp.	10°C ~ 40°C / 50°F ~ 104°F	10°C ~ 40°C / 50°F ~ 104°F	

Ordering Information

- **EN-7515C:** 15" LCD Monitor, Active Matrix TFT, 1020x768, HDMI
- **EN-7517C:** 17" LCD monitor, Active Matrix TFT, 1280x1024, HDMI
- **EN-7519C:** 19" LCD monitor, Active Matrix TFT, 1280x1024, HDMI

EN-7519D

19" LCD DVR Monitor



Features

- 19" LCD monitor designed for security DVRs
- Razor sharp imaging 1280x1024
- VGA, BNC, Audio
- Multi-lingual language support (English, Spanish, French, Italian, Danish, Dutch, Portuguese)
- Compatible with VESA™ Standard

Specifications

Screen Size	19"
Resolution	1280 x 1024 ~60 Hz
Pixel Pitch	0.294 mm
Brightness	300cd/m²
Contrast Ratio	0.264x0.264 mm
Aspect Ratio	5:4
Viewing Angle (H/V)	160°/160°
Color Depth	16.2 M
Response Time	5ms
Video System	NTSC/PAL
Frequency (H)	30 ~ 80 KHz
Frequency (V)	56 ~ 75Hz
Built-in Speakers	2w x 2, with gradual volume increase
Video In/Out (BNC Type)	2/2
VGA In (15 Pin)	1
Audio In	2
PC Stereo In	1
Filter Type	2D Comb Filter
MTBF (approx.)	50,000 hours
Regulations	TUV-NRTL (same as UL), CB FCC(B), CE-EMC(LVD)
Power Consumption	50 W
Power Source	AC110~230V (50/60Hz)
Dimensions (w/stand)	465 x 332 x 88 mm / 18.31" x 13.08" x 3.46"
Weight	7.45 kg / 16.4 lbs

Ordering Information

- **EN-7519D:** 19" LCD DVR monitor, 1280x1024

EN-7517E/EN-7519E

17" or 19" Economy LCD Monitor



Features

- 17" or 19" economy LCD DVR monitor
- LCD protection glass
- 1000:1 contrast
- Multiple interface connectivity: BNC, S-Video, VGA
- Multi-language menu support
- 3D Comb Filter / deinterlace
- Built-in speakers
- Optional wall & ceiling mount available

Specifications

Model	EN-7517E	EN-7519E
Screen Size	17"	19"
Pixel Type	Active Matrix TFT	
Max. Resolution	1280x 1024 @ 60Hz	
Pixel Pitch	0.264 x 0.264 mm	0.294 x 0.294 mm
Brightness	300cd/m²	
Contrast Ratio	1000:1	
Aspect Ratio	5:4	
Viewing Angle (H/V)	160°/160°	
Display Color	16.7 millions	
Response Time	< 5ms	
Video System	NTSC/PAL	
Frequency (H)	31 ~ 64 KHz	
Frequency (V)	55 ~ 75Hz	
Built-in Speakers	Yes (2Wx2)	
Video In/Out (BNC Type)	2/2	
S-Video In/Out	1/1	
VGA In (15 Pin D-Sub)	1	
Audio In/Out (RCA Type)	2 (L + R)	
PC Stereo In	1	
Filter Type	3D Comb Filter/DeInterlace	
Dimensions (w/stand)	437 x 475 x 226 mm / 17" x 15" x 8.9"	500 x 515 x 240 mm / 20" x 20.3" x 9.4"
Net Weight	5.96 kg / 13.1 lbs	6.6 kg / 14.6 lbs
VESA Mounts Size	100x100 mm (BS M4 x 10mm screw)	
Parts/Labor	2 years/2 years	
MTBF (approx.)	50,000 hours	
Regulations	TUV-NRTL (same as UL), CB, FCC(A), CE-EMC(LVD)	
Power Consumption	< 40W	< 45W
Power Source	AC100~240V (50/60Hz), 12VDC / 3A	AC100~240V (50/60Hz), 12VDC / 3.8A
Operating Temp.	10°C ~ 40°C / 50°F ~ 104°F	

Ordering Information

- **EN-7517E:** 17" Economy Value LCD DVR Monitor
- **EN-7519E:** 19" Economy Value LCD DVR Monitor

EN-7522C

22" Premium Wide Scéen LCD DVR Monitor



Features

- 22" DVR LCD monitor
- Metal industrial cabinet
- LCD protection glass
- 1680x1050 max. resolution
- 1000:1 contrast
- 3D comb filter / deinterlace
- 160° / 160° viewing angle
- Multiple interface connectivity
- Built-in speaker
- PIP/PBP multi-display feature
- Cable management stand included

Specifications

Screen Size	22"
Resolution	1680 x 1050 @ 60 Hz
Pixel Pitch	0.282 x 0.282 mm
Brightness	300cd/m²
Contrast Ratio	1000:1
Aspect Ratio	16:10
Viewing Angle (H/V)	160°/160°
Color Depth	16.7 million
Response Time	<5ms
Video System	NTSC/PAL
Frequency (H)	60 ~ 75 KHz
Frequency (V)	55 ~ 75Hz
Built-in Speakers	Yes (2W x 2)
Video In/Out (BNC Type)	2/2
S-Video In/Out	1/1
VGA In (15 Pin D-Sub)	1
DVI-D/HDMI In	1/1
Audio In	3 (L + R)
PC Stereo In/Out	1
Filter Type	3D Comb Filter/DeInterlace
Multi-Display Function	PIP/PBP
Trigger Sensor	Yes (NO/NC)
MTBF (approx.)	50,000 hours
Regulations	RoHS, TUV-NRTL (same as UL), CB, FCC(A), CE-EMC(LVD)
Parts/Labor	2 Years/2 Years
VESA Mount Size	100 x100 mm (BS M4 x 10 mm screw)
Power Consumption	< 60 W
Power Source	12VDC / 5A
Dimensions (w/stand)	508 x 371 x 140 mm / 20" x 15" x 5.5"
Weight	8.4 kg / 18.5 lbs
Operating Temp.	10°C ~ 40° C / 50°F ~ 104°F

Ordering Information

- **EN-7522C:** 22" DVR LCD Monitor, 1680x1050 max. resolution

EN-7542H

42" Premium Wide Screen LCD DVR Monitor



Features

- 42" premium wide screen LCD DVR monitor
- Full High Definition (FHD) with 1920 x 1080 max. resolution
- 900:1 contrast
- Metal industrial cabinet
- 3D comb filter / deinterlace
- 178° / 178° viewing angle
- Multiple interface connectivity
- Multi-language menu support
- Built-in speaker
- PIP / PBP multi-display feature

Specifications

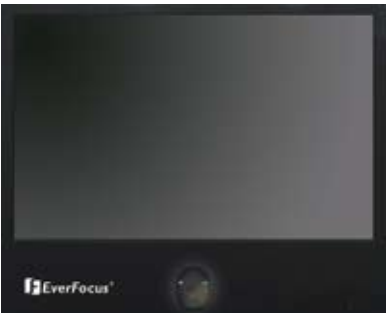
Screen Size	42"
Resolution	1920 x 1080 @ 60 Hz
Pixel Pitch	0.484 x 0.484 mm
Brightness	550cd/m²
Contrast Ratio	1000:1
Aspect Ratio	16:9
Viewing Angle (H/V)	178°/178°
Color Depth	16.7 millions
Response Time	< 8ms (G to G)
Video System	NTSC/PAL
Frequency (H)	30 ~ 80 KHz
Frequency (V)	56 ~ 75Hz
Built-in Speakers	Yes (4W x 2)
Video In/Out (BNC Type)	2/2
S-Video In/Out	1/1
VGA In (15 Pin D-Sub)	1
Component	1
DVI-D/HDMI In	1/1
Audio In/Out (RCA Type)	3 (L + R)
PC Stereo In/Out	1
Filter Type	3D Comb Filter/DeInterlace
Multi-Display Function	PIP/PBP
Trigger Sensor	Yes (NO/NC)
MTBF (approx.)	50,000 hours
Regulations	RoHS, TUV-NRTL (same as UL), CB, FCC(A), CE-EMC(LVD)
Parts/Labor	2 Years/2 Years
VESA Mount Size	400 x 200 mm (BS M8 x 16mm screw)
Power Consumption	< 230W
Power Source	AC100 ~ 240V (50/60 Hz)
Dimensions (w/stand)	1026 x 685.8 x 297.2 mm / 40.4" x 27" x 11.7"
Net Weight	34 kg / 75 lbs (w/stand) 26 kg / 57.3 lbs (w/out stand)
Operating Temp.	10°C ~ 40° C / 50°F ~ 104°F

Ordering Information

- **EN-7542H:** 42" Premium Wide Screen LCD DVR Monitor

EN-7522PVM / EN7532PVM

22" or 32" Public View Monitor With
Built-in CCTV Camera



Features

- Flat LCD with razor sharp imaging
- 3D comb filter with deinterlace function
- PIP, PBP, DVI, HDMI, Component feature
- Industrial strength, sleek design
- Built-in Wide Dynamic Range (WDR) color camera
- VESA mount adjustable
- Auto switching with internal motion detection
- AC/DC dual voltage
- External alarm trigger input to allow other camera views
- Built-in time switching (for any/all inputs)
- Camera output (allows recording)
- 100 mm or 200 mm VESA mount interface
- Display flexibility (PIP, PBP, switching)
- Digital inputs (HDMI & DVI) for multimedia

Specifications

Model	EN-7522PVM	EN-7532PVM
Screen Size	22"	32"
Resolution	1680x1050 @ 60Hz	1366x768 @ 60Hz
Contrast Ratio	1000:1	3000:1
Brightness	300cd/m²	500cd/m²
Aspect Ratio	16:10	16:9
Color Depth	16.7 M	
Viewing Angle (H/V)	160°/160°	178°/178°
Pixel Pitch	0.282 mm	
Response Time	5ms	
Frequency (H)	30~80 KHz	30~68 KHz
Frequency (V)	55~75 Hz	56~75 Hz
Video System	NTSC/PAL	
Built-in Speakers	2W x 2, with Gradual Volume Increase	
Video In/Out (BNC Type)	1/1	
VGA In (15 Pin D-Sub)	1/1	
S-Video	1/1	
DVI/HDMI In	1/1	
Audio In	1	2
PC Stereo In	1	2
Filter Type	3D Comb Filter/DeInterlace	
Multi Display Function	PIP/PBP	
Trigger/Auto Switching	Yes/Yes	
OSD Language	English, Spanish, French, German, Italian, Netherlands, Portuguese	

Dimensions (w/stand)	516.7 x 412.4 x 83.1 mm/ 20.4" x 16.2" x 3.3"	792.4 x 542.7 x 143.8 mm/ 31.2" x 21.37" x 5.66"
Weight	9 kg / 19.84 lbs	21.5 kg / 47.4 lbs
VESA Mounts Size	100x100 mm	200x200 mm
Parts/Labor	2 Years/2 Years	
MTBF (approx.)	50,000 hours	
Regulations	TUV-NRTL (same as UL), CB FCC(B), CD-EMC(LVD)	
Power Consumption	< 70W	< 150W
Power Source	AC100~240V (50/60, 12VDC/5A) or 24VAC	

CAMERA	
Camera Type	WDR camera w/internal camera output
Signal/Scanning System	NTSC/PAL
Total/Effect Pixels	720 (H) x 540 (V)
Image Sensor	1/3" C-MOS
Resolution	540 TVL
Lens Mount	2.8~11mm vari-focal DC iris lens manual
Electronic Shutter	Up to 1/22,000 sec.
Min. Illumination	0.1 Lux (Slow Shutter Mode)

Ordering Information

- **EN-7522PVM:** 22" Public View Monitor w/built-in WDR color camera
- **EN-7532PVM:** 32" Public View Monitor w/built-in WDR color camera

EN-75080C

8" Compact LCD Monitor



Features

- Compact size 8" LCD monitor
- Active matrix, TFT, 800x600
- Ideal for mobile applications
- 3D Comb Filter
- Exceptional brightness
- 262,000 colors
- Multi-lingual language support (English, Spanish, French, German, Italian, Portuguese)
- Compatible with VESA™ DDC

Specifications

Screen Size	8"
Viewing Area (mm)	337x270
Pixel Type	Active Matrix TFT
Max. Resolution	800 x 600 @ 60Hz
Pixel Pitch	0.067 x 0.2025 mm
Brightness	250cd/m²
Contrast Ratio	500:1
Aspect Ratio	4:3
Viewing Angle (H/V)	140°/120°
Display Color	262,000 colors
Response Time	< 25ms (typical)
Video System	NTSC/PAL
Frequency (H)	31 ~ 38 KHz
Frequency (V)	50 ~ 75Hz
Built-in Speakers	Yes (1Wx2)
Gradual Volume Increase	Yes
Video In/Out (BNC Type)	2/2
S-Video In/Out	1/1
VGA In (15 Pin D-Sub)	1
DVI In	No
Audio In/Out (RCA Type)	1/1
PC Stereo In	1
Filter Type	3D Comb Filter/DeInterlace
Dimensions (w/stand)	212.09 x 181.4 x 34 mm/8.35" x 7.14" x 1.34"
Net Weight	1.42 kg / 3.1" lbs
VESA Mounts Size	75x75 mm (BS M4 x 10mm screw)
Parts/Labor	1 year/1 year
MTBF (Approx.)	50,000 hours
Power Consumption	< 15W/Power Saving
Power Source	12VDC, 1.5A

Ordering Information

- **EN-75080C:** 8" LCD monitor, Active Matrix TFT, 800x600, 250 cd/m² Brightness

EN200/EN220

5.6" Color TFT LCD Test Monitor & Service Kit



Features

- 5.6" CCTV test monitor
- Troubleshoot camera display right on installation site
- Full color LCD display to check for video signal
- Small & compact for portability
- Available with monitor service kit

Specifications

Screen Size	5.6", 116 (H) x 87 (V) mm
Active Area (mm)	111.36 (H) x 83.52 (V)
Pixel Type	A-Si Active Matrix TFT
Screen Color	Full color
Dot Matrix	320 (H) x 240 (V) RGB
Dot Pitch	0.116 (H) x 0.348 (V)
Dimension	162 (H) x 133 (V) x 54 (D)
Contrast Ratio	85:1
Luminosity	270cd/m²
Sound Input	200mW (built-in 4cm speaker)
Terminal Input	Power, video & audio input
Video Input	0.75 VP-p ~ 1 VP-p, 3.5 pin
Audio Input	50mV min., stereo In, 3.5 pin
Stereo Output	Ear phone, 3.5 pin
Screen Display	Reverse/normal switchable (R → N)
Power Consumption	12VDC, 600mA (8W max.)
Power Source	9VDC~20VDC, 2.0 pin
Dimensions (W x H x D)	162 x 133 x 54 mm / 6.4" x 5.2" x 2.1"
Operating Temp.	0°C ~ 60°C / 32°F ~ 140°F

Ordering Information

- **EN200:** 5.6" LCD test monitor
- **EN220:** 5.6" LCD test minitor with service kit (pouch, battery pack & clip, cable 1 & 2, AD-3 and AD-4)

BA-WB5

Flush Wall Monitor Mount



Features

- Flush wall monitor mount
- Easy to install and accepts security hardware
- Ideal for 13"-30" LCD display monitors •
- 75-100mm VESA compatible
- Support up to 60 lbs of weight
- Rugged silver finish

BA-WB30

Swing Arm Monitor Mount



Features

- Swing-arm monitor mount
- Unique tilt/swivel head design to ensure optimum viewing angle
- 180° of left/right rotation
- 20° of up/do tilt
- Compatible with 75-100mm VESA
- Support up to 30 lbs of weight
- Includes hardware for wood & concrete structures
- Silver finish

BA-WB10

Tilt/Rotate Monitor Wall Mount



Features

- Tilt & rotate monitor wall mount
- 180° of left/right rotation
- 20° of up/down tilt
- Easy to install
- For monitor displays 75-100mm VESA
- Support up to 40 lbs of weight
- Includes hardware for wood and concrete structures
- Rugged black powder coat finish

BA-WB71

Tilting Wall Mount Bracket



Features

- Wide screen wall mount bracket
- Up to 15° tilt with fast & simple installation
- Universal design (compatible with non-VESA)
- Lateral adjustment
- Support up to 74.8 kg / 165 lbs
- Rugged black finish
- Ideal for use with EN-7542H wide screen LCD monitor

EverPlex 4CQ/EverPlex8CQ (EP200)

4 or 8 Channel Color Quad Processor



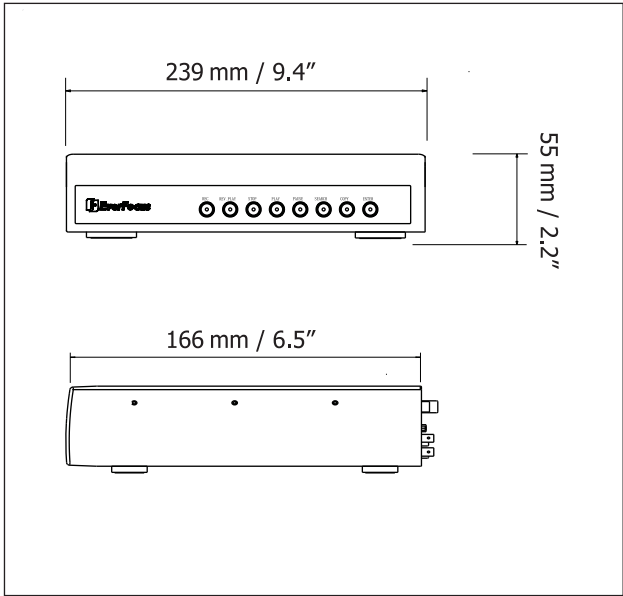
Features

- Monitor up to 4 and/or 8 cameras simultaneously
- Real time quad display
- Full image or single page quad display
- Independent brightness adjustment for each channel
- Alarm time setting (1~20 seconds)
- 4 or 8 alarm inputs with built-in buzzer
- Compact, desktop size for space saving purpose
- Auto sequential switching for each channel (dwelling time: 1~4 seconds)
- Low power consumption

Specifications

Video Format	NTSC or PAL
Video Input	4 or 8 camera inputs (1 Vp-p/75 ohm), 1 VCR composite (1 Vp-p/75 ohm)
Video Output	2 video outputs (1 Vp-p/75 ohm)
Alarm Input	4 or 8 alarm inputs
Alarm Output	1 alarm reset input (1 normally closed, 1 normally open)
Timer	Built-in real time clock
Power Source	12VDC/24VAC +/- 10%, 200mA
Power Consumption	17 W max.
Dimensions (L x W x H)	239 x 166 x 55 mm / 9.4" x 6.5" x 2.2"
Operating Temp.	0°C ~ 45°C / 32°F ~ 113°F
Humidity	20% ~ 80% humidity
Weight	1.9 kg / 4.2 lbs

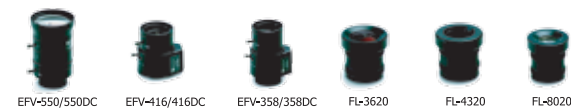
Dimensions



Ordering Information

- **EP4CQ:** 4 Channel, Color Quad Processor
- **EP8CQ:** 8 Channel, Color Quad Processor

CCTV Lens



Specifications

Auto Iris & Vari-focal Lens

Model No.	Description
EFV-2812DC	Vari-focal 2.8~12 mm auto iris
EFV-358	Vari-focal 3.5~8 mm manual iris
EFV-358DC	Vari-focal 3.5~8 mm auto iris
EFV-416	Vari-focal 4~16 mm manual iris
EFV-416DC	Vari-focal 4~16 mm auto iris
EFV-550	Vari-focal 5~50 mm manual iris
EFV-550DC	Vari-focal 5~50 mm auto iris

Fixed Iris & Mini Board Lens

Model No.	Description
FL-2520	2.5 mm lens
FL-3620	3.6 mm lens
FL-4320	4.3 mm lens
FL-6020	6 mm lens
FL-8020	8 mm lens
FL-1220	12 mm lens
FL-1620	16 mm lens

Master Power Supplies



Features

- Resettable power supplies for all your CCTV cameras*
- UL listed
- Lifetime warranty*
- Available in 4, 8, 16 and 18 outputs in 12VDC or 24VAC

Specifications

Model No.	Description
DCR4-3.5-2UL	Output: 4 / Voltage: 12V / Amps: 4
DCR8-3.5-2UL	Output: 8 / Voltage: 12V / Amps: 4
DCR8-8-2UL	Output: 8 / Voltage: 12V / Amps: 8
DCR16-8-2UL	Output: 16 / Voltage: 12V / Amps: 8
DCR16-12-2UL	Output: 16 / Voltage: 12V / Amps: 16
DCR18-18-1UL*	Output: 18 / Voltage: 12V / Amps: 18
AC4-1-2UL	Output: 4 / Voltage: 24V / Amps: 4.2
AC8-1-2UL	Output: 8 / Voltage: 24V / Amps: 4.2
AC8-2-2UL	Output: 8 / Voltage: 24V / Amps: 8.4
AC16-2-2UL	Output: 16 / Voltage: 24V / Amps: 8.4
AC16-4-2UL	Output: 16 / Voltage: 24V / Amps: 16.8

*Fuse protected and 3 year warranty for DCR18-18-1UL only

Mounting Brackets



Specifications

Dome Brackets

Model	Description
BA-ED	Plastic "L" style mounting bracket for ED series mini domes. 146.7 x 121 x 66 mm / 5.75" x 4.75" x 2.6" (L x W x H)
BA-EHD	Aluminum "L" style mounting bracket for EHD series vandal domes. 169 x 146 x 110 mm / 6.7" x 5.7" x 4.3" (L x W x H)
BA-EDMS	Aluminum "L" style mounting bracket for ED550, ED560, EDN800. 169 x 146 x 110 mm / 6.7" x 5.7" x 4.3" (L x W x H)
BA10	Ceiling mount bracket for EPD200 (624 mm / 24.6" long)
BA11	Ceiling mount bracket for EPD200 (300 mm / 12" long)

Box Camera Brackets

Model No.	Description
BA-01	Mounting bracket. Aluminum. Max. load: 3 kg / 6.6 lbs 57 x 165 mm / 2.2" x 6.5" (W x H)
BA-03	Mounting bracket. Plastic. Max. load: 3.5 kg / 7.7 lbs 80 x 160 mm / 3.1" x 6.3" (W x H)
BA-05	Mounting bracket. Aluminum. Max. load: 10 kg / 22 lbs 84 x 294 mm / 3.3" x 11.6" (W x H)

IR Bullet Camera Brackets

Model	Description
EZ-CMB	"J" style ceiling mount bracket for EZ Series (EZ230E, EZ235E, EZ330E, EZ335E, EZ550). Aluminum, stainless steel 200 x 278.5 mm / 7.8" x 10.9" (Wx H)

Camera Housing



Specifications

Model No.	Description
FH-7153	Outdoor camera housing with top cover and lock. Aluminum. 352 x 113 x 106 mm / 13.9" x 4.5" x 4.2" (L x W x H)
FH-7153HB	Outdoor camera housing with top cover, lock, heater and blower. 24VAC, 18.7W power consumption. Aluminum. 373 x 140 x 115 mm / 14.7" x 5.5" x 4.5" (L x W x H)

EIR50

Compact, Standalone IR Illuminator



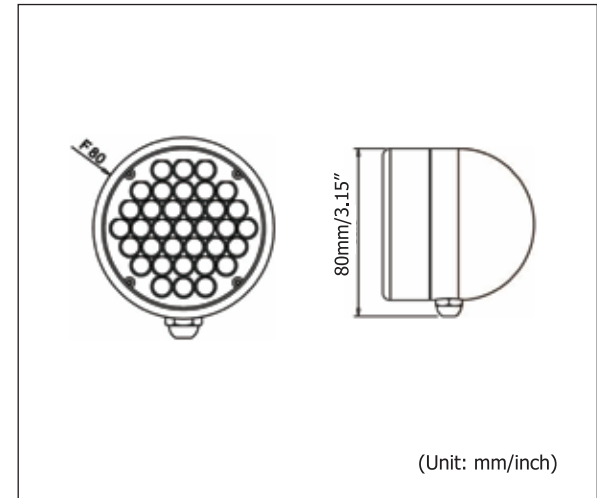
Features

- Up to 50 meters / 164 ft. IR range
- Compact size for discreet surveillance
- Standalone design for flexible application
- Up to 20,000 hours of LED lifespan
- Improve image quality in complete darkness and/or in low-light conditions
- Built-in sensor will automatically turn on illuminator at night and off during the daytime
- Weatherproof design and IP66 rated
- 2-axis rotation for easy angle adjustment

Specifications

IR Distance	50M / 164 ft.
IR Wavelength	850nm
IR LED Lifespan	Up to 20,000 hours
Power Source	12VDC
Power Consumption	6W max.
Dimensions (D x H)	80 x 80 mm / 3.15" x 3.15" (w/out bracket) 80 x 148 mm / 3.5" x 5.83" (with bracket)
Weight	0.33 kg / 0.73 lbs
Operating Temp.	0°C ~ 50°C 32°F ~ 122°F (20%~80% humidity)
Weatherproof	IP66 rated

Dimensions



EIR100

IR Illuminator



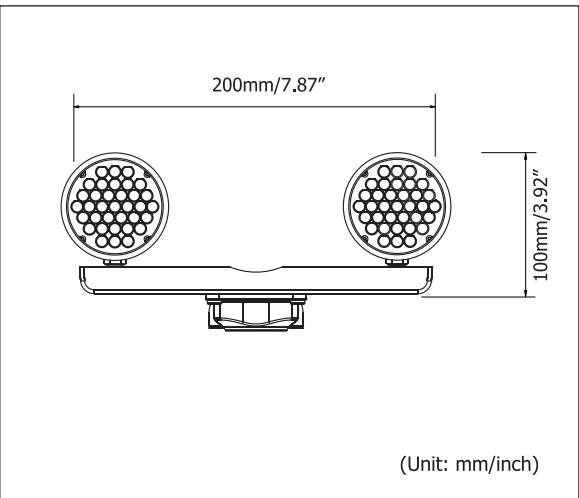
Features

- Up to 70 meters / 230 ft. IR range
- Up to 20,000 hours of LED lifespan
- Improve image quality in complete darkness and/or in low-light conditions
- Built-in sensor will automatically turn on illuminator at night and off during the daytime
- Weatherproof design and IP66 rated
- 2-axis rotation for easy angle adjustment
- Designed to enhance low light performance for EZ550 & EZN850 only

Specifications

IR Distance	70M / 230 ft.
IR Wavelength	850nm
IR LED Lifespan	Up to 20,000 hours
Power Source	12VDC
Power Consumption	12W max.
Dimensions (L x W x H)	200 x 290 x 100 mm / 7.87" x 11.41" x 3.92"
Weight	0.76 kg / 1.67 lbs
Operating Temp.	0°C~50°C / 32°F~122°F (20%~80% humidity)
Weatherproof	IP66 rated

Dimensions



Access Control System

EBC-890

Fingerprint Controller



Features

- Large storage capacity: up to 1000 users and 40,000 event records
- Wiegand 26 or Wiegand 34
- Can work as a stand-alone, with other EverAccess Flex Series controller or over IP
- Powerful management features: entry/exit access managed by time, schedule, arm zone and/or user access rights
- Power alarm function: easy connection to alarm panel, ability to arm/disalarm specific alarm input with corresponding door control
- Flexible 12 access authentication modes
- Easy configuration with keypad feature
- Backlit LCD screen and keypad for clear visual day or night
- Built-in Transient Voltage Suppressor (TVS) to protect against electric surge
- Expandable up to 127 Flex series controller network with RS-485 bus
- Built-in proximity reader and single door controller to simplify installation

Specifications

User Capacity	1000 (each user can register 2 fingerprints)
Event Recording	40,000 capacity
Maximum Controllers	127 expandable (via RS-485)
Fingerprint Verification Time	1:1 < 2 seconds 1:N < 3 seconds (1,000 users)
False Positive Rate	0.00001%
Detection Function	Yes, automatic
Access Authentication	12 modes
Door Number (max.)	1
Communication Format	Wiegand 26 or Wiegand 34
User Password	Up to 6 digits
System Password	Up to 6 digits
Alarm Password	Up to 6 digits
Alarm Input	1 fire alarm, 4 arm zone alarm inputs
Alarm Output	2 alarm outputs
Communication Port	RS-232 or RS-485
Band Rate	9600 bps
Programmable Duration	10 per day with minimum duration of 5 mins.
Programmable Date	3 date types (up to 255 dates)
Card Expiration	Yes
Daylight Saving	Yes, automatic
Built-in Keypad	4x4 backlit
LCD Screen	2x20 backlit
Real-Time Clock	Yes
Current Draw for Door Control Realy (max.)	5A
Current Draw for Alarm Relay (max.)	2A
Power Source	12VDC, 10~15V
Power Consumption	< 9W
Dimensions (L x W x H)	179 x 137 x 48 mm / 7.04" x 5.39" x 1.89"
Weight	0.91 kg / 2 lbs

Ordering Information

- **EBC-890:** EveAccess Fingerprint Reader

EFC-02-1A

2-8 Door Controller



Features

- Support 2-8 doors
- Modular expansion capabilities
- Integrated keypad controller programming
- Real time date transfer
- Pulls data from readers once per second, ensuring that user is notified if reader is taken offline
- Retain up to 16,000 events
- Anti-passback capabilities
- Wiegand 26 or RS232
- Can be operated as standalone
- Expandable up to 8 doors, use 2 door expansion module (part # EFM-DR-1A)
- Easy to install
- EverAccess Flex series software included

Specifications

Cards Supported	9999 max.
Events Recorded	16,000 max.
Card Readers	2-8 readers supported, modular expansion
Cluster Configuration	Up to 32
Comm. Data Format	Wiegand 26 or RS232
PIN Password	4 digits
System Password	6 digits
Arm/Disarm Password	6 digits
Alarm Input	1 fire alarm input, 1 tamput output
Alarm Output	8 relay outputs, expanded to 16
Communication Port	RS232/RS485
Programmable Time	10 intervals per day
Programmable Date	10 kinds
Groups	256
APB	Yes
Keypad	4x4
Display	2x16 LCD
Real-Time Clock	Yes
Buzzer	Built-in
Power Source	12VDC + 15%
Power Consumption	30W max.
Dimensions (L x W x H)	21.6 x 30 x 3.3 cm / 8.4" x 11.7" x 1.3"

FlexPack System Kits

Complete 2 or 4 Door Access Control System Kits with Readers



Features

- Includes Flex Series Access Control Management software (Windows 2000 and Windows XP compatible), 2 or 4 door controller, a metal enclosure, a transformer, your choice of 2 or 4 readers, a system reader and 24 prox. cards
- Compact size, modular design make the system simple to install and easily expandable while maintaining powerful management capabilities
- Anti-passback capabilities
- Real-time clock
- Supports 2 or 4 readers, expandable to 1016 max per network
- 127 controllers can be networked together through RS485 bus or TCP/IP (TCP/IP requires additional LAN interface device)
- Built in TVS (Transient Voltage Suppressor) on both controller and readers
- Flexible supervised input points: Up to 10 alarm inputs, 18 outputs, all configurable
- Real-time communication with PC: data is transferred in real time, ensuring up-to-the second accuracy and immediate notification if an access point goes offline
- 2 relays, SPDT 8A@30VDC
- Uses Microsoft Data Engine (MSDE)
- Space Provided in enclosure for back up battery
- Real-time viewing of events comes standard
- Automatic daylight savings time adjustments
- System can arm/disarm alarms
- 9,999 users (16,000 events can be stored in each controller)
- Integrated Keyboard and LCD screen on controller for standalone programming and card enroll/de-enrollment
- System Reader connects to a PC via USB and allows easy card enrollment and RS485 bus networking
- Mullion and System Readers utilize 125KHz proximity technology and Wiegand26 or RS232 data output
- Mullion Readers are suitable for indoor or outdoor mounting and come with an 18" pigtail for easy installation
- TCP/IP optional with additional LAN interface device
- Communication : RS232 or RS485

Ordering Information*

* See page 106 for detailed ordering information on FlexPack System Kits

EFM-DR-1A

Door Module Extension for Flex Controller



Features

- Supports two readers
- Supports both standard Wiegand format and EverAccess RS232 format readers
- Provides 12VDC power supply for two readers
- Supports full controls on two doors, including door sensor, door lock relay, request-to-exit
- Provides two alarm outputs
- Wiegand 26 and EverAccess RS232 formats supported
- Built-in Transient Voltage Suppressor (TVS) to protect controller from electric surge
- Large durable relay, max current draw up to 5A at 30VDC
- Built-in LEDs display the system status intuitively

Specifications

Number of Readers Supported	2
Communication Format	Wiegand 26 or EverAccess RS232 format
Number of Doors Supported	1 with both entry and exit readers 2 with entry reader for each door
Input	2 for door sensors 2 for request-to-exit signals
Relay Output	2 relay outputs for door lock 2 relay outputs for alarm
LED	2x4
Power Supply	Provided by the controller
Current Draw for Relay Outputs (max.)	5A

Ordering Information

- **EFM-DR-1A:** 2 Door Expansion Module for use with EverAccess Controller, 2 door inputs, 2 alarm outputs

EFM-AL-1A

Alarm Module Expansion for Flex



Features

- Supports 8 alarm inputs
- Supports 8 alarm outputs
- Built-in transient voltage suppressor (TVS) to protect controller from electric surge
- Large durable relay, max current draw up to 2A at 30VDC
- Built-in LEDs display the system status intuitively

Specifications

Input	8 alarm inputs
Relay Output	8 alarm inputs
LED	2x4
Power Supply	Provided by the controller
Current Draw for Relay Outputs (max.)	2A

Ordering Information

- **EFM-AL-1A:** Alarm Module Expansion for use with EverAccess Controller, 8 alarm inputs, 8 alarm outputs

ERR-871

Single Gang Proximity Reader



Features

- Wiegand 26 or RS232 data output
- Suitable for indoor or outdoor use
- Standard size U.S. switch plates
- 125 kHz proximity technology
- 18” pigtail wire for easy installation

Specifications

Frequency	125 kHz
Data Format	64 bit
Read Range	5-10 cm
Read Time	200ms
Output Format	Wiegand 26 and special RS232 for EverAccess Controller
Audio	Built-in buzzer 2 kHz
Indicator	3 LEDs
Tamper Switch	Standard
Power Source	6.5V-18VDC
Power Consumption	150mA max.
Operating Temp.	-10°C ~ +60°C / 14°F ~ 140°F
Dimensions (L x W x H)	12.3 x 7.7 x 2.1 cm / 4.8” x 3” x 0.8”

ERM-871

Mullion Style Proximity Reader



Features

- Wiegand 26 or RS232 data output
- Suitable for indoor or outdoor use
- Narrow size for mullion mount
- 125 kHz proximity technology
- 18” pigtail wire for easy installation

Specifications

Frequency	125 KHz
Data Format	64 bit
Read Range	5-10 cm
Read Time	200ms
Output Format	Wiegand 26 and special RS232 for EverAccess Controller
Audio	Built-in buzzer 2KHz
Indicator	3 LEDs
Tamper Switch	Standard
Power Source	6.5V-18VDC
Power Consumption	150mA max.
Operating Temp.	-10°C ~ +60°C / 14°F ~ 140°F
Dimensions (L x W x H)	14 x 4 x 2.4 cm / 5.5” x 1.6” x 0.9”

ERK-871

Single Gang Proximity Reader with Keypad



Features

- Wiegand 26 or RS232 data output
- Suitable for indoor or outdoor use
- Standard size U.S. switch plates
- 125 kHz proximity technology
- 18” pigtail wire for easy installation

Specifications

Frequency	125 KHz
Data Format	64 bit
Read Range	5-10 cm
Read Time	200ms
Output Format	Wiegand 26 and special RS232 for EverAccess Controller
Audio	Built-in buzzer 2kHz
Indicator	3 LEDs
Tamper Switch	Standard
Keypad	3x4 fully integrated
Power Source	6.5V-18VDC
Power Consumption	150mA max.
Operating Temp.	-10°C ~ +60°C / 14°F ~ 140°F
Dimensions (L x W x H)	12.3 x 7.7 x 2.1 cm / 4.8” x 3” x 0.8”

ERS-871

System Reader



Features

- Connect to PCs to transfer card data to EverAccess Software
- Save time with fast and easy card enrollment using a system PC
- 125 kHz proximity technology

Specifications

Frequency	125 kHz
Data Format	64 bit
Read Range	5-10 cm
Read Time	200ms
Indicator	4 LEDs
Interface	PC interface USB, RS485
Power Source	6.5V-18VDC
Power Consumption	150mA max.
Operating Temp.	-10°C ~ +60°C / 14°F ~ 140°F
Dimensions (L x W x H)	11.6 x 7.6 x 2.9 cm / 4.5” x 3” x 1.1”

EA-LAN1

Ethernet Adaptor



Features

- General purpose serial communication over Ethernet adaptation
- 10M/100M self-adapting Ethernet
- Built-in web interface to configure the adapter
- Search tool and Windows driver included
- Built-in LEDs display the system status intuitively
- 5 feet serial cable available (ECN-5)

Specifications

Serial Communication Format	RS232, RS485 half and full duplex , RS422
Serial Port Connector	DB-9
Network	RJ-45, 10M/100M self-adapting Ethernet
Power Supply	5V included
Software	Built-in web configuration. Search tool and Windows driver included.

Ordering Information

- **EA-LAN1:** Ethernet Adaptor for Flex Series Controllers

EAC-100-W26

Thin Proximity Card



EAC-200-W26

Thick Proximity Card



EAK-110-W26

Proximity Keyfob



Ordering Information

FlexPack System Kits

- **EFLP-02-1A:** 2 Door FlexPack Kit w/2 Mullion Readers
- **EFLP-02-1B:** 2 Door FlexPack Kit w/2 Single Gang Readers
- **EFLP-02-1C:** 2 Door FlexPack Kit w/1 Single Gang Reader, 1 Keypad Reader
- **EFLP-04-1A:** 4 Door FlexPack Kit w/1 Pre-installed 2 Door Expansion, 4 Mullion Readers
- **EFLP-04-1B:** 4 Door FlexPack Kit w/1 Pre-installed 2 Door Expansion, 4 Single Gang Reader
- **EFLP-04-1C:** 4 Door FlexPack Kit w/1 Pre-installed 2 Door Expansion, 2 Single Gang & 2 Keypad Readers
- **EFLP-04-1D:** 4 Door FlexPack Kit w/1 Pre-installed 2 Door Expansion, 2 Single Gang & 2 Mullion Readers
- **EFLP-04-1E:** 4 Door FlexPack Kit w/1 Pre-installed 2 Door Expansion, 2 Mullion & 2 Keypad Readers
- **IFLP-02-2A:** 2 Door HID FlexPack Kit w/2 HID iClass R10 Readers

Controllers

- **EBC-890:** Fingerprint controller
- **EFC-02-1A:** 2-8 door controller

Proximity Readers

- **ERK-871-NRB:** Keypad Single Gang Prox Reader,
- **ERM-871-MRB:** Mullion Style Prox Reader
- **ERR-871-NRB:** Single Gang Prox Reader
- **ERS-871-NRB:** Desktop reader, USB PC interface

Controller Modules

- **EFM-AL-1A:** Alarm expansion module
- **EFM-DR-1A:** 2 Door expansion module

Proximity Cards & Accessories

- **EAC-100-W26:** EverAccess Prox Card- Thin (1 Piece)
- **EAC-200-W26:** EverAccess Prox Card- Thick (1 Piece)
- **EAK-110-W26:** EverAccess Prox Key fob (1 Piece)
- **EA-LAN1:** Ethernet adaptor for Flex Series controllers