

ProductCatalog

Megapixel IP solutions



 **Arecont Vision**
megapixel technology...
beyond imagination

About Arecont Vision

Arecont Vision is exclusively focused on megapixel technology and, as the industry leader, has contributed more to the advancement of High Definition megapixel imaging for professional security applications than any other company in the security market space. Our worldwide installed base of megapixel cameras crosses a broad spectrum of applications and venues – a proven testimony to Arecont Vision's leadership in developing innovative megapixel imaging technologies and products. With the industry's most comprehensive line of H.264 megapixel cameras, Arecont Vision delivers superior HD megapixel image resolution and sensitivity for mainstream video surveillance applications as well as business solutions such as operations, monitoring, control, and merchandizing.

Arecont Vision's products leverage our patented image processing technology which provides



scalable high performance megapixel imaging at a low cost. The MegaVideo® and MegaDome™ series consist of 1.3, 2, 3, 5 and 10 Megapixel H.264 and MJPEG single and dual sensor camera solutions. The SurroundVideo® series is comprised of 8 megapixel H.264 and MJPEG camera solutions with 180 degree and 360 degree panoramic configurations. Together MegaVideo®, MegaDome™ and SurroundVideo® represent the security market's broadest and most technologically advanced megapixel camera product range.

The company has grown consistently over the past 6 years. Since our beginnings in Southern California, we have expanded our worldwide reach beyond North America with offices and representation in Europe, Middle East, Africa, Asia Pacific and Latin America. Arecont Vision maintains a channel partner sales model including systems integrators; value added resellers, dealers and distributors. Our marketing programs and field sales organizations create demand at the end user level and pull business through our reseller channel partners.

Arecont Vision's industry leadership is further illustrated through our partner programs such as the Channel Partner Certification Program which provides megapixel education to the market and the Technology Partner Program which capitalizes on integration with over 80 of the world's NVR and VMS technology platforms.

Arecont Vision continues to lead the way in megapixel video.



Worldwide Sales

WORLDWIDE REGIONAL MANAGERS

Director North American Sales – West – **Nathan Wheeler**
 Director North American Sales – East – **Chris Sessa**
 Central US Sales Manager – **Geoffrey Stoliker**
 Midwest US Sales Manager – **Wayne Ridinger**
 Southeast US Sales Manager – **John Bujarski**
 Director of Strategic Accounts, Europe – **Duncan Cooke**
 Regional Sales Manager, UK – **Martin Cowley**
 Regional Sales Manager, Western Canada – **Peter Soet**
 Director, Asia Pacific Sales – **Becky Zhou**
 South East Asia Account Manager – **Jack Lim**
 Australia, New Zealand, Central & South America, Middle East, Africa – **Ethan Maxon**

WORLDWIDE MANUFACTURER'S REPRESENTATIVES

United States

Arecont Vision HQ
 +1 818-937-0700
 ASR Enterprises – DC, MD, S. NJ, E. PA, W. VA, DE
 +1 610-873-7484
 AV Marketing – IN, KY
 +1 317-387-7400
 Champion Sales – TX, OK, AR, LA, MS, NM
 +1 972-471-3466
 CV Reps – N. CA, N. NV
 +1 408-727-6105
 F. M. Valenti – N. NJ, NY
 +1 978-536-2666
 OCOM – NE, KS, MI, IA, IL, S. WI
 +1 815-978-4488
 ProSource – UT, WY, CO
 +1 303-257-2079
 RW Sales – MN, ND, SD, N. WI
 +1 651-646-2710
 Seevid – S. CA, S. NV, AZ, HI
 +1 714-898-6100
 Southeast Security Products – FL, GA, AL, TN, SC, NC
 +1 954-448-3553
 Charles & Associates – OH, W. PA
 +1 440-878-3700
 Tech Rep – CT, ME, MA, NH, NY, RI, VT
 +1 508-809-6316

Canada

Arecont Vision
 +1 604-619-9783

Latin America

LRG International
 +1 210-408-9136

Caribbean

International W, Inc.
 +1 954-622-9393

Russia, Ukraine and other CIS countries

Arecont Vision - Russia
 +7 (495) 649-0577

Middle East and North Africa

Harco Group
 +971 (50) 65 25 195

Israel

Comron
 +972 (03) 5406942

Asia

Arecont Vision HQ
 +1 818-937-0700

China

Arecont Technology, Beijing
 +86 (10) 8285-0283

Korea

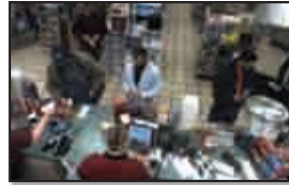
Dasun
 +82 2-786-6115-6



Arecont Vision
 megapixel technology...
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Vertical Markets

- Banking and Financial
- Commercial
- Education
- Entertainment
- Gaming
- Government
- Healthcare
- Hospitality
- Industrial
- Retail
- Transportation



Channel Partner Certification Program

Education: Each participant receives a thorough education on megapixel technology and Arecont Vision products. They learn to develop complete megapixel solutions from Arecont Vision experts. The participants are presented with a Certificate of Completion at the end of the certification.

Promotion: Certified Channel Partners can promote that they are certified to their clientele.

Leads: Certified Channel Partners receive preference on leads and projects.

Support: Certified Channel Partners receive preferred support.

Web Presence: Certified Channel Partners are listed on Arecont Vision's website with a link to their website.

Demo Equipment: Certified Channel Partners are allowed to purchase demo cameras at substantial discount.



General Certification:

The General Certification course covers all the basics of designing and deploying megapixel technology. Through lessons on pixel density, lighting, storage and optics, Certified Channel Partners have the tools and the confidence to design a 100% megapixel solution. This allows Certified Channel Partners to provide a Return on Investment for their customers and increase their business profitability.

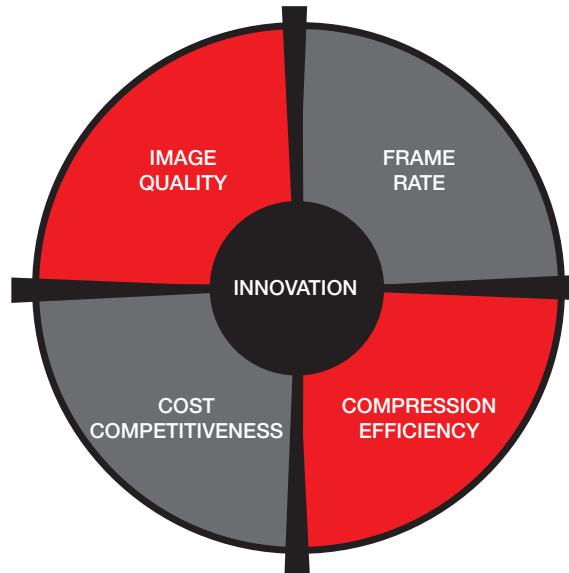
Design Certification:

The Design Certification course teaches advanced system design in a variety of vertical markets ranging from small scale to 10,000+ megapixel camera systems. Certified Channel Partners will leave with all the knowledge needed to design an advanced megapixel system including the design of the server, storage array and network layout.

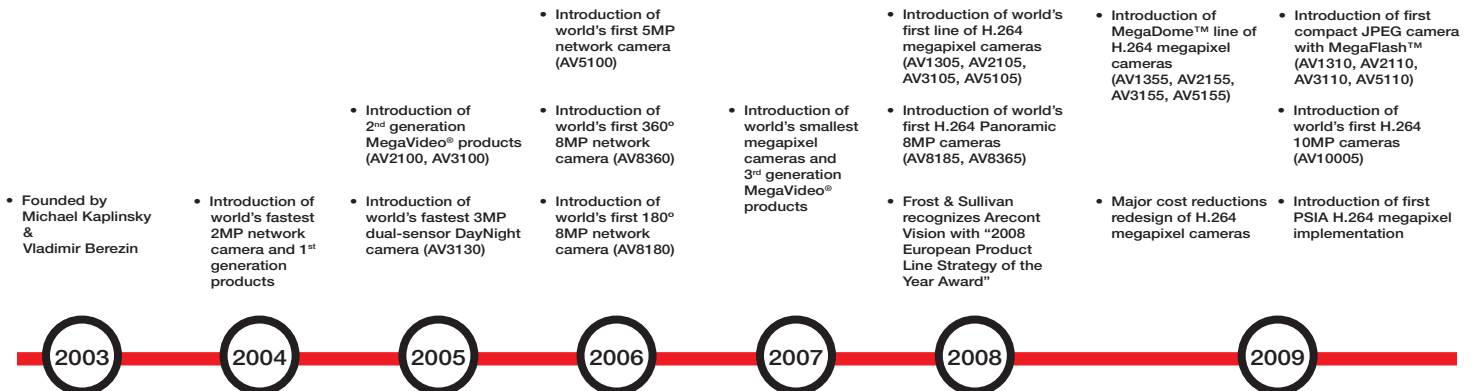
Design course launch Q1, 2010.

Product Focus

Arecont Vision demonstrates its leadership through technology innovation resulting in image quality, frame rate, compression and cost reduction.



Technology Leadership



Product Lines

MegaVideo® JPEG Compact



1 to 5MP color and D/N and MegaFlash™ cameras

MegaVideo® JPEG



1 to 5MP single and dual sensor color, A/I and D/N cameras

MegaVideo® H.264



1 to 10MP single and dual sensor color, A/I and D/N cameras

MegaDome™ H.264



1 to 5MP color and D/N all-in-one dome cameras

SurroundVideo® H.264



8MP 180° and 360° panoramic cameras

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H.264 MegaDome™ Series



Product Line Summary

The MegaDome™ series is an all-in-one solution which includes a 1.3, 2, 3 or 5 megapixel color or day/night camera, megapixel varifocal lens and vandal resistant dome enclosure. With all the advanced technology and performance of our MegaVideo® camera series, MegaDome's complete configuration makes installation easy – without any guesswork. All AVxx55/xx55-16 models have an easily adjustable 3-axis camera gimbal with 360° pan, 90° tilt, and 360° z-axis adjustments for accurate positioning.

Each features an integrated 4.5-10mm or 8-16mm megapixel varifocal lens. The vandal-resistant aluminum chassis and 4-inch polycarbonate dome meet the IP66 weatherproof standard. And their surface-mount configuration can also be wall, pendant, corner, pole or flush (recessed) mounted. It's the megapixel solution without any compromises that you've been waiting for.

Arecont Vision Advantages

All-In-One H.264 MegaDome™ Solution

- Integrated megapixel camera, lens and IP66 dome housing
- Easily adjustable 3-axis camera gimbal with 360° pan, 90° tilt and 360° z-axis
- Available in 1.3, 2, 3 and 5MP sensor configurations with color only or Day/Night versions

H.264 (MPEG4 Part 10) Compression Standard

- Simultaneous support of both H.264 and MJPEG
- 10x average bandwidth and storage reduction over MJPEG

Multi-Streaming

- Up to 8 concurrent non-identical streams with different frame rates, bit rates, resolutions and picture quality

Bit Rate Control

- Maintain desired bandwidth and storage size

Real Time Streaming Protocol (RTSP)

- Allows for compatibility with media players such as Apple QuickTime, Windows Media Player, VLC Player, etc.

Superior Low Light Performance

- 1/2" CMOS sensor

Unparalleled High Definition Resolution

- Up to 16 times the resolution of IP VGA or analog cameras

Fastest Megapixel Image Rates

- Full frame rates with no image quality degradation

Other Key Features:

- Simultaneous full field of view and Region-of-Interest (ROI)
- Image cropping allows streaming of full density partial images
- On-camera motion detection
- Assembled 10W heater versions or separate heater module for retrofit
- Motorized IR Cut Filter (DN Version)

Camera Models

Color	Color w/Heater	Day/Night	Day/Night w/Heater
AV1355	AV1355-1HK	AV1355DN	AV1355DN-1HK
AV2155	AV2155-1HK	AV2155DN	AV2155DN-1HK
AV3155	AV3155-1HK	AV3155DN	AV3155DN-1HK
AV5155	AV5155-1HK	AV5155DN	AV5155DN-1HK
AV1355-16	AV1355-16HK	AV1355DN-16	AV1355DN-16HK
AV2155-16	AV2155-16HK	AV2155DN-16	AV2155DN-16HK
AV3155-16	AV3155-16HK	AV3155DN-16	AV3155DN-16HK
AV5155-16	AV5155-16HK	AV5155DN-16	AV5155DN-16HK

MegaDome™ Product Line at A Glance

		<i>Sensor</i>	<i>Resolution</i>	<i>H.264</i>	<i>JPEG</i>	<i>Max Frame Rate @ Max Res.</i>	<i>Minimum Illumination</i>	<i>Color Only</i>	<i>Day/Night</i>	<i>Heater Kit</i>	<i>Lens</i>
	AV1355	1.3MP	1280x1024	●	●	32fps	0.1 Lux	●			4.5-10mm
	AV1355-1HK	1.3MP	1280x1024	●	●	32fps	0.1 Lux	●		●	4.5-10mm
	AV1355DN	1.3MP	1280x1024	●	●	32fps	0 Lux, IR Sensitive		●		4.5-10mm
	AV1355DN-1HK	1.3MP	1280x1024	●	●	32fps	0 Lux, IR Sensitive		●	●	4.5-10mm
	AV1355-16	1.3MP	1280x1024	●	●	32fps	0.1 Lux	●			8-16mm
	AV1355-16HK	1.3MP	1280x1024	●	●	32fps	0.1 Lux	●		●	8-16mm
	AV1355DN-16	1.3MP	1280x1024	●	●	32fps	0 Lux, IR Sensitive		●		8-16mm
	AV1355DN-16HK	1.3MP	1280x1024	●	●	32fps	0 Lux, IR Sensitive		●	●	8-16mm
	AV2155	2MP	1600x1200	●	●	24fps	0.1 Lux	●			4.5-10mm
	AV2155-1HK	2MP	1600x1200	●	●	24fps	0.1 Lux	●		●	4.5-10mm
	AV2155DN	2MP	1600x1200	●	●	24fps	0 Lux, IR Sensitive		●		4.5-10mm
	AV2155DN-1HK	2MP	1600x1200	●	●	24fps	0 Lux, IR Sensitive		●	●	4.5-10mm
	AV2155-16	2MP	1600x1200	●	●	24fps	0.1 Lux	●			8-16mm
	AV2155-16HK	2MP	1600x1200	●	●	24fps	0.1 Lux	●		●	8-16mm
	AV2155DN-16	2MP	1600x1200	●	●	24fps	0 Lux, IR Sensitive		●		8-16mm
	AV2155DN-16HK	2MP	1600x1200	●	●	24fps	0 Lux, IR Sensitive		●	●	8-16mm
	AV3155	3MP	2048x1536	●	●	15fps	0.2 Lux	●			4.5-10mm
	AV3155-1HK	3MP	2048x1536	●	●	15fps	0.2 Lux	●		●	4.5-10mm
	AV3155DN	3MP	2048x1536	●	●	15fps	0 Lux, IR Sensitive		●		4.5-10mm
	AV3155DN-1HK	3MP	2048x1536	●	●	15fps	0 Lux, IR Sensitive		●	●	4.5-10mm
	AV3155-16	3MP	2048x1536	●	●	15fps	0.2 Lux	●			8-16mm
	AV3155-16HK	3MP	2048x1536	●	●	15fps	0.2 Lux	●		●	8-16mm
	AV3155DN-16	3MP	2048x1536	●	●	15fps	0 Lux, IR Sensitive		●		8-16mm
	AV3155DN-16HK	3MP	2048x1536	●	●	15fps	0 Lux, IR Sensitive		●	●	8-16mm
	AV5155	5MP	2592x1944	●	●	9fps	0.3 Lux	●			4.5-10mm
	AV5155-1HK	5MP	2592x1944	●	●	9fps	0.3 Lux	●		●	4.5-10mm
	AV5155DN	5MP	2592x1944	●	●	9fps	0 Lux, IR Sensitive		●		4.5-10mm
	AV5155DN-1HK	5MP	2592x1944	●	●	9fps	0 Lux, IR Sensitive		●	●	4.5-10mm
	AV5155-16	5MP	2592x1944	●	●	9fps	0.3 Lux	●			8-16mm
	AV5155-16HK	5MP	2592x1944	●	●	9fps	0.3 Lux	●		●	8-16mm
	AV5155DN-16	5MP	2592x1944	●	●	9fps	0 Lux, IR Sensitive		●		8-16mm
	AV5155DN-16HK	5MP	2592x1944	●	●	9fps	0 Lux, IR Sensitive		●	●	8-16mm

AV1355/1355-16

1.3 Megapixel H.264 IP MegaDome™ Camera

AV1355 (Color)
AV1355-16 (Color)

AV1355-1HK (Color w/Heater)
AV1355-16HK (Color w/Heater)

AV1355DN (Day/Night)
AV1355DN-16 (Day/Night)

AV1355DN-1HK (Day/Night w/Heater)
AV1355DN-16HK (Day/Night w/Heater)



At A Glance

- MegaDome™ H.264 Series
- 1.3MP Camera, Megapixel Lens, IP66 Dome Enclosure
- All-In-One Solution
- 1280x1024 Max Resolution
- 32fps Max Frame Rate
- Dual Encoder: H.264 & MJPEG
- Color and Day/Night Versions

MegaDome™ Accessories:

MD-WMT:	Wall Mount for MegaDome
MD-PMT:	Pendant Mount for MegaDome
MD-1HK:	Optional 10W Heater Kit (for retrofit and on-site installation)
MD-CRMA:	Corner Mount Adapter
MD-PMA:	Pole Mount Adapter
MD-EBA:	Electrical Box Adapter
MD-FMA:	Flush Mount Adapter

Imaging

- 1.3 megapixel CMOS image sensor
- 1280(H) x 1024(V) pixel array
- 1/2" optical format
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.1 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

Full Field of View (FOV) Resolutions

- 1280(H)x1024(V) 1.3 megapixel
- 640(H)x512(V) 1/4 resolution

Cropped Field of View Resolutions

- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 32fps @ 1280x1024
- Compression type:
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate:
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption: 5 Watts maximum

Heater Electrical (HK Versions)

- Voltage Input: 10V to 50V DC (separate power required)
- Power Output: 10W Max
- Switch: On: 17°C (62.6 °F)
Off: 30 °C (86 °F)

Regulatory Approvals

- FCC, Class A
- CE and RoHS compliant

Environmental

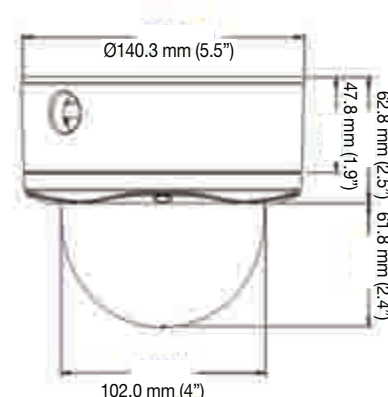
- IP66 weatherproofing standard
- Operating temperature:
 - » No heater: 0°C (32°F) to +50°C (122°F)
 - » With heater: -30°C (-22°F) to +50°C (122°F)
- Storage temperature: -20°C (-4°F) to +60°C (140°F)
- Humidity: 0% to 90% (non condensing)

Mechanical

- Easily adjustable 3-axis camera gimbal with 360° pan, 90° tilt, and 360° z-axis
- Die-cast aluminum chassis with 4" polycarbonate dome bubble
- Total Unit dimensions:
 - » Ø5.5 x 4.9 in (H), bubble only: Ø4.0 x 2.4 in (H)
 - » Ø140.3 x 124.6 mm (H), bubble only: Ø102 x 61.8 mm (H)
- 2.0 lbs (0.91 kg)

Optics

- AV1355: 4.5-10mm, f1.8, IR Sensitive
- AV1355-16: 8-16mm, f1.8, IR Sensitive



AV2155 (Color)
AV2155-16 (Color)

AV2155-1HK (Color w/Heater)
AV2155-16HK (Color w/Heater)

AV2155DN (Day/Night)
AV2155DN-16 (Day/Night)

AV2155DN-1HK (Day/Night w/Heater)
AV2155DN-16HK (Day/Night w/Heater)



At A Glance

- MegaDome™ H.264 Series
- 2MP Camera, Megapixel Lens, IP66 Dome Enclosure
- All-In-One Solution
- 1600x1200 Max Resolution
- 24fps Max Frame Rate
- Dual Encoder: H.264 & MJPEG
- Color and Day/Night Versions

MegaDome™ Accessories:

MD-WMT:	Wall Mount
MD-PMT:	Pendant Mount
MD-1HK:	Optional 10W Heater Kit (for retrofit and on-site installation)
MD-CRMA:	Corner Mount Adapter
MD-PMA:	Pole Mount Adapter
MD-EBA:	Electrical Box Adapter
MD-FMA:	Flush Mount Adapter

Imaging

- 2 megapixel CMOS image sensor
- 1600(H) x 1200(V) pixel array
- 1/2" optical format
- 4.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.1 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

Full Field of View (FOV) Resolutions

- 1600(H)x1200(V) 2 megapixel
- 800(H)x600(V) 1/4 resolution

Cropped Field of View Resolutions

- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Compression type:
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate:
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption: 5 Watts maximum

Heater Electrical (HK Versions)

- Voltage Input: 10V to 50V DC (separate power required)
- Power Output: 10W Max
- Switch: On: 17°C (62.6 °F)
Off: 30°C (86 °F)

Regulatory Approvals

- FCC, Class A
- CE and RoHS compliant

Environmental

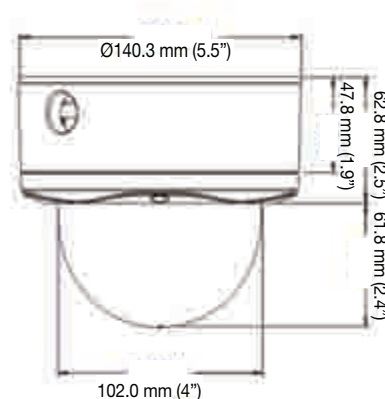
- IP66 weatherproofing standard
- Operating temperature:
 - » No heater: 0°C (32°F) to +50°C (122°F)
 - » With heater: -30°C (-22°F) to +50°C (122°F)
- Storage temperature: -20°C (-4°F) to +60°C (140°F)
- Humidity: 0% to 90% (non condensing)

Mechanical

- Easily adjustable 3-axis camera gimbal with 360° pan, 90° tilt, and 360° z-axis
- Die-cast aluminum chassis with 4" polycarbonate dome bubble
- Total Unit dimensions:
 - » Ø5.5 x 4.9 in (H), bubble only: Ø4.0 x 2.4 in (H)
 - » Ø140.3 x 124.6 mm (H), bubble only: Ø102 x 61.8 mm (H)
- 2.0 lbs (0.91 kg)

Optics

- AV2155: 4.5-10mm, f1.8, IR Sensitive
- AV2155-16: 8-16mm, f1.8, IR Sensitive



AV3155/3155-16

3 Megapixel H.264 IP MegaDome™ Camera

AV3155 (Color)
AV3155-16 (Color)

AV3155-1HK (Color w/Heater)
AV3155-16HK (Color w/Heater)

AV3155DN (Day/Night)
AV3155DN-16 (Day/Night)

AV3155DN-1HK (Day/Night w/Heater)
AV3155DN-16HK (Day/Night w/Heater)



At A Glance

- MegaDome™ H.264 Series
- 3MP Camera, Megapixel Lens, IP66 Dome Enclosure
- All-In-One Solution
- 2048 x1536 Max Resolution
- 15fps Max Frame Rate
- Dual Encoder: H.264 & MJPEG
- Color and Day/Night Versions

MegaDome™ Accessories:

MD-WMT:	Wall Mount
MD-PMT:	Pendant Mount
MD-1HK:	Optional 10W Heater Kit (for retrofit and on-site installation)
MD-CRMA:	Corner Mount Adapter
MD-PMA:	Pole Mount Adapter
MD-EBA:	Electrical Box Adapter
MD-FMA:	Flush Mount Adapter

Imaging

- 3 megapixel CMOS image sensor
- 2048(H) x 1536(V) pixel array
- 1/2" optical format
- 3.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.2 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 49 dB

Full Field of View (FOV) Resolutions

- 2048(H)x1536(V) 3 megapixel
- 1024(H)x768(V) 1/4 resolution

Cropped Field of View Resolutions

- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 15fps @ 2048x1536
 - » 20fps @ 1920x1200
 - » 22fps @ 1920x1080
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Compression type:
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate:
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption: 5 Watts maximum

Heater Electrical (HK Versions)

- Voltage Input: 10V to 50V DC (separate power required)
- Power Output: 10W Max
- Switch: On: 17°C (62.6 °F)
Off: 30°C (86 °F)

Regulatory Approvals

- FCC, Class A
- CE and RoHS compliant

Environmental

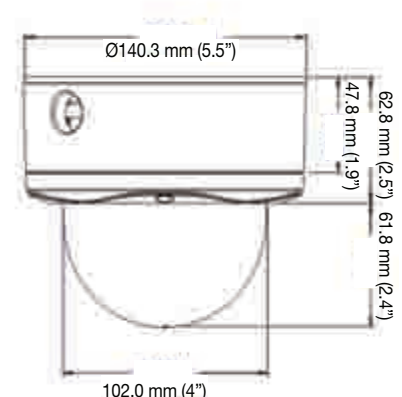
- IP66 weatherproofing standard
- Operating temperature:
 - » No heater: 0°C (32°F) to +50°C (122°F)
 - » With heater: -30°C (-22°F) to +50°C (122°F)
- Storage temperature: -20°C (-4°F) to +60°C (140°F)
- Humidity: 0% to 90% (non condensing)

Mechanical

- Easily adjustable 3-axis camera gimbal with 360° pan, 90° tilt, and 360° z-axis
- Die-cast aluminum chassis with 4" polycarbonate dome bubble
- Total Unit dimensions:
 - » Ø5.5 x 4.9 in (H), bubble only Ø4.0 x 2.4 in (H)
 - » Ø140.3 x 124.6 mm (H), bubble only: Ø102 x 61.8 mm (H)
- 2.0 lbs (0.91 kg)

Optics

- AV3155: 4.5-10mm, f1.8, IR Sensitive
- AV3155-16: 8-16mm, f1.8, IR Sensitive



AV5155 (Color)
AV5155-16 (Color)

AV5155-1HK (Color w/Heater)
AV5155-2HK (Color w/Heater)

AV5155DN (Day/Night)
AV5155DN - 2 (Day/Night)

AV5155DN-1HK (Day/Night w/Heater)
AV5155DN-2HK (Day/Night w/Heater)



At A Glance

- MegaDome™ H.26 Series
- 5MP Camera, Megapixel Lens, IP66 Dome Enclosure
- All-In-One Solution
- 2592 x 1944 Max Resolution
- 9fps Max Frame Rate
- Dual Encoder: H.264 & MJPEG
- Color and Day/Night Versions

MegaDome™ Accessories:

MD-WMT:	Wall Mount
MD-PMT:	Pendant Mount
MD-1HK:	Optional 10W Heater Kit (for retrofit and on-site installation)
MD-CRMA:	Corner Mount Adapter
MD-PMA:	Pole Mount Adapter
MD-EBA:	Electrical Box Adapter
MD-FMA:	Flush Mount Adapter

Imaging

- 5 megapixel CMOS image sensor
- 2592(H) x 1944(V) pixel array
- 1/2.5" optical format
- 2.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.3 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 70.1 dB
- Maximum SNR 44.1 dB

Full Field of View (FOV) Resolutions

- 2592(H)x1944(V) 5 megapixel
- 1296(H)x968(V) 1/4 resolution

Cropped Field of View Resolutions

- 2560x1600 WQXGA
- 2048x1536 3 MP
- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 9fps @ 2592x1944
 - » 12fps @ 2560x1600
 - » 15fps @ 2048x1536
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Compression type:
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate:
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 4 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption: 5 Watts maximum

Heater Electrical (HK Versions)

- Voltage Input: 10V to 50V DC (separate power required)
- Power Output: 10W Max
- Switch: On: 17°C (62.6 °F)
Off: 30°C (86 °F)

Regulatory Approvals

- FCC, Class A
- CE and RoHS compliant

Environmental

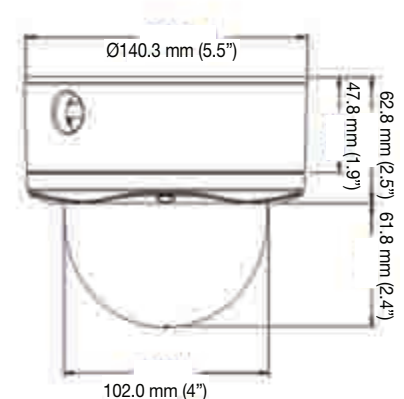
- IP66 weatherproofing standard
- Operating temperature:
 - » No heater: 0°C (32°F) to +50°C (122°F)
 - » With heater: -30°C (-22°F) to +50°C (122°F)
- Storage temperature: -20°C (-4°F) to +60°C (140°F)
- Humidity: 0% to 90% (non condensing)

Mechanical

- Easily adjustable 3-axis camera gimbal with 360° pan, 90° tilt, and 360° z-axis
- Die-cast aluminum chassis with 4" polycarbonate dome bubble
- Total Unit dimensions:
 - » Ø5.5 x 4.9 in (H), bubble only: Ø4.0 x 2.4 in (H)
 - » Ø140.3 x 124.6 mm (H), bubble only: Ø102 x 61.8 mm (H)
 - » 2.0 lbs (0.91 kg)

Optics

- AV5155: 4.5-10mm, f1.8, IR Sensitive
- AV5155-16: 8-16mm, f1.8, IR Sensitive





Product Line Summary

Arecont Vision pioneered the implementation of H.264 (MPEG 4Part 10) compression in the security industry for HD and higher multi-megapixel image resolution camera solutions. Our H.264 MegaVideo®, H.264 MegaDome™, and H.264 SurroundVideo® product series deliver a massively parallel pipeline that provides 80 billion operations per second at full frame rates at full megapixel resolution.

Our H.264 platform achieves up to 10 times greater compression efficiency on average compared to MJPEG equivalents – solving concerns related to bandwidth and storage. Available in 1.3, 2, 3, 5 and 10 megapixel formats in color, Day/Night, auto-iris and dual sensor configurations. Arecont Vision's H.264 cameras set the industry benchmark for value and performance.

Arecont Vision Advantages

World's First Full Line of H.264 Megapixel Cameras

- 1.3 to 10 megapixels with no frame rate reduction

H.264 (MPEG4 Part 10) Compression Standard

- Simultaneous support of both H.264 and MJPEG
- 10x average bandwidth and storage reduction over MJPEG

Multi-Streaming

- Up to 8 concurrent non-identical streams with different frame rates, bit rates, resolutions and picture quality

Bit Rate Control

- Maintain desired bandwidth and storage size

Real Time Streaming Protocol (RTSP)

- Allows for compatibility with media players such as Apple QuickTime, Windows Media Player, VLC Player, etc.

Superior Low Light Performance

- 1/2", 1/2.5 and 1/2.3 CMOS sensor

Unparalleled High Definition Resolution

- Up to 32 times the resolution of IP VGA or analog cameras

Fastest Megapixel Image Rates

- Full frame rates with no image quality degradation

Other key features:

- Simultaneous full field of view and Region-of-Interest (ROI)
- Image cropping allows streaming of full density partial images
- On-camera motion detection
- Motorized IR Cut Filter (DN Version)

Camera Models

Color	Day/Night	Auto-Iris
AV1305	AV1305DN	AV1305-AI
AV2105	AV2105DN	AV2105-AI
AV3105	AV3105DN	AV3105-AI
AV5105	AV5105DN	AV5105-AI
AV10005	AV10005DN	
	AV3135	

H.264 MegaVideo® Product Line at A Glance

		Sensor	Resolution	H.264	JPEG	Max Frame Rate @ Max Res.	Minimum Illumination	Color Only	Day/ Night	Auto-Iris
	AV1305	1.3MP	1280x1048	●	●	32fps	0.1 Lux	●		
	AV1305DN	1.3MP	1280x1048	●	●	32fps	0 Lux, IR Sensitive		●	
	AV1305-AI	1.3MP	1280x1048	●	●	32fps	0.1 Lux	●		●
	AV2105	2MP	1600x1200	●	●	24fps	0.1 Lux	●		
	AV2105DN	2MP	1600x1200	●	●	24fps	0 Lux, IR Sensitive		●	
	AV2105-AI	2MP	1600x1200	●	●	24fps	0.1 Lux	●		●
	AV3105	3MP	2048x1536	●	●	15fps	0.2 Lux	●		
	AV3105DN	3MP	2048x1536	●	●	15fps	0 Lux, IR Sensitive		●	
	AV3105-AI	3MP	2048x1536	●	●	15fps	0.2 Lux	●		●
	AV5105	5MP	2592x1944	●	●	9fps	0.3 Lux	●		
	AV5105DN	5MP	2592x1944	●	●	9fps	0 Lux, IR Sensitive		●	
	AV5105-AI	5MP	2592x1944	●	●	9fps	0.3 Lux	●		●
	AV10005	10MP	3648x2752	●	●	5fps	0.6 Lux (Color) 0.15 Lux (Binning)	●		
	AV10005DN	10MP	3648x2752	●	●	5fps	0 Lux, IR Sensitive		●	
	AV3135	3MP (Color) 1.3MP (B/W)	2048x1536 (Color) 1280x1024 (B/W)	●	●	15fps (Color) 32fps (B/W)	0.2 Lux (Color) 0 Lux, IR Sensitive (B/W)		● (Dual Sensor)	



AV1305

1.3 Megapixel H.264 IP MegaVideo® Camera

AV1305 (Color)

AV1305DN (Day/Night)

AV1305-AI (Auto-Iris)



At A Glance

- MegaVideo® H.264 Series
- 1.3 Megapixel High Performance Camera
- 1280x1024 Max Resolution
- 32fps Max Frame Rate
- Dual Encoder H.264 & MJPEG
- Full Frame Rates @ Full Resolution
- Color, Day/Night & Auto Iris Versions

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 1.3 megapixel CMOS image sensor
- 1280(H) x 1024(V) pixel array
- 1/2" optical format
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.1 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

Full Field of View (FOV) Resolutions

- 1280(H)x1024(V) 1.3 megapixel
- 640(H)x512(V) 1/4 resolution

Cropped Field of View Resolutions

- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 32fps @ 1280x1024
- Compression type
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation

Programmability (continued)

- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption: 4.5 Watts maximum
- Optional DC AI connection (AV1305 - AI)

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

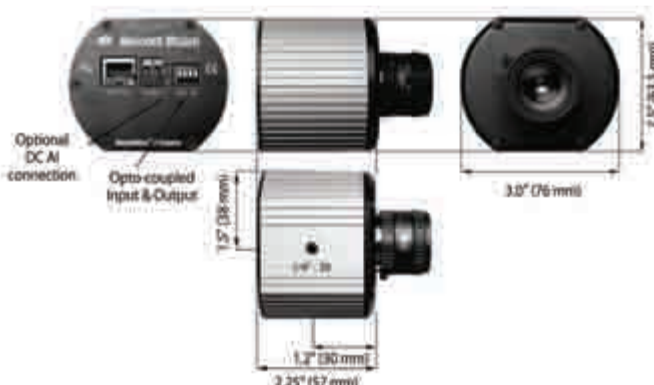
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
Lens4-13
Lens4-10AI

* Other megapixel lenses are also available

- See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV2105 (Color)

AV2105DN (Day/Night)

AV2105-AI (Auto-Iris)



At A Glance

- MegaVideo® H.264 Series
- 2 Megapixel High Performance Camera
- 1600x1200 Max Resolution
- 24fps Max Frame Rate
- Dual Encoder H.264 & MJPEG
- Full Frame Rates @ Full Resolution
- Color, Day/Night & Auto Iris Versions

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 2 megapixel CMOS image sensor
- 1600(H) x 1200(V) pixel array
- 1/2" optical format
- 4.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.1 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

Full Field of View (FOV) Resolutions

- 1600(H)x1200(V) 2 megapixel
- 800(H)x600(V) 1/4 resolution

Cropped Field of View Resolutions

- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Compression type
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance

Programmability (continued)

- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption: 4.5 Watts maximum
- Optional DC AI connection (AV2105 - AI)

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

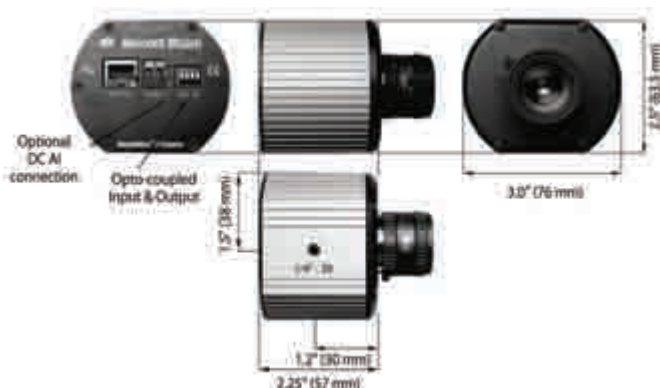
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
Lens4-13
Lens4-10AI

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV3105

3 Megapixel H.264 IP MegaVideo® Camera

AV3105 (Color)

AV3105DN (Day/Night)

AV3105-AI (Auto-Iris)



At A Glance

- MegaVideo® H.264 Series
- 3 Megapixel High Performance Camera
- 2048 x 1536 Max Resolution
- 15fps Max Frame Rate
- Dual Encoder H.264 & MJPEG
- Full Frame Rates @ Full Resolution
- Color, Day/Night & Auto Iris Versions

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 3 megapixel CMOS image sensor
- 2048(H) x 1536(V) pixel array
- 1/2" optical format
- 3.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.2 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 49 dB

Full Field of View (FOV) Resolutions

- 2048(H)x1536(V) 3 megapixel
- 1024(H)x 768(V) 1/4 resolution

Cropped Field of View Resolutions

- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 15fps @ 2048x1536
 - » 20fps @ 1920x1200
 - » 22fps @ 1920x1080
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Compression type
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate
 - » Unthrottled data rate up to 55Mbps
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB

- On-camera real-time motion detection with 64 detection zones

Programmability (continued)

- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption: 4.5 Watts maximum
- Optional DC AI connection (AV3105 - AI)

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

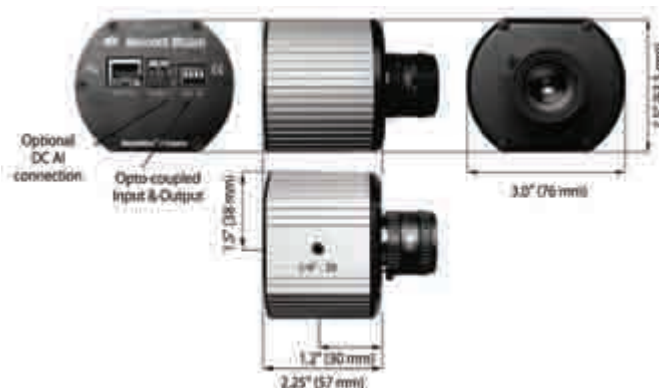
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
Lens4-13
Lens4-10AI

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV5105 (Color) AV5105DN (Day/Night) AV5105-AI (Auto-Iris)



At A Glance

- MegaVideo® H.264 Series
- 5 Megapixel High Performance Camera
- 2592x1944 Max Resolution
- 9fps Max Frame Rate
- Dual Encoder H.264 & MJPEG
- Full Frame Rates @ Full Resolution
- Color, Day/Night & Auto Iris Versions

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 5 megapixel CMOS image sensor
- 2592(H) x 1944(V) pixel array
- 1/2.5" optical format
- 2.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.3 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 70.1 dB
- Maximum SNR 44.1 dB

Full Field of View (FOV) Resolutions

- 2592(H)x1944(V) 5 megapixel
- 1296(H)x968(V) 1/4 resolution

Cropped Field of View Resolutions

- 2560x1600 WQXGA
- 2048x1536 3MP
- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV - 720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 9fps @ 2592x1944
 - » 12fps @ 2560x1600
 - » 15fps @ 2048x1536
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Compression type
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 4 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones

Programmability (continued)

- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power 12V-48V DC, 24V AC
- Power consumption 5 Watts maximum
- Optional DC AI connection (AV5105 - AI)

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

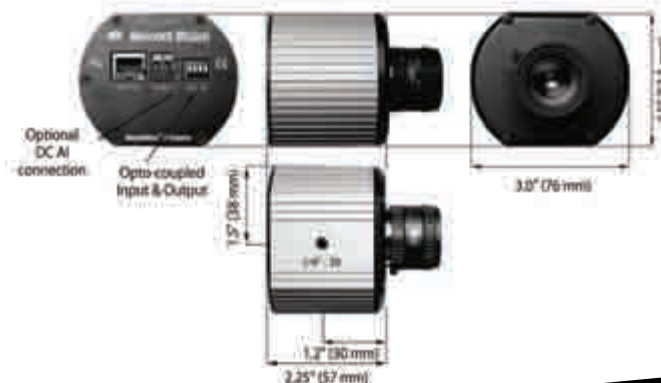
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
Lens4-13
Lens4-10AI

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV10005

10 Megapixel/1080p Dual-Mode H.264 IP Camera

AV10005 - Color AV10005DN - Day/Night

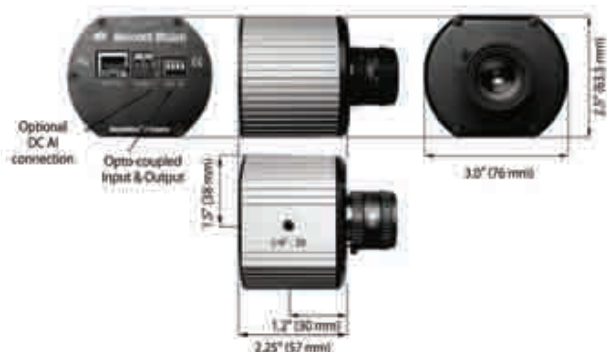


At A Glance

- MegaVideo® H.264 Series
- 10 Megapixel High Performance Camera
- Max Resolution - Mode 1: 3648 x 2752
- Max Resolution - Mode 2: 1920 x 1080
- Dual Encoder H.264 & MPEG
- Color and Day/Night Versions
- Binning Technique to improve low-light performance
- Max Frame Rate
 - 6 fps @ 3648 x 2752
 - 30 fps @ 1920 x 1080

Housing Accessories:

Dome 4-I - Indoor 4" Vandal Dome
Dome 4-O - Outdoor 4" Vandal Dome
Dome 5-I - Indoor 5" Recessed Dome
HSG1-O-W Outdoor Environmental Housing



Imaging

- 10 megapixel CMOS image sensor
- Binned Mode (2x2): 2.5M to improve low light performance
- Maximum resolutions:
 - » Mode 1: 3648 (H) x 2752 (V)
 - » Mode 2: 1920 (H) x 1080 (V)
- 1/2.3" optical format
- 1.67 μ m pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color (non-binned): 0.6 Lux @ F1.4
 - » Color (binned): 0.15 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 57.2 dB
- Maximum SNR 40 dB

Full Field of View (FOV) Resolutions

- 3648 (H) x 2752 (V) 10 megapixel
- 1920 (H) x 1080 (V) HDTV-1080p
- 1824 (H) x 1376 (V) 2.5MP

Cropped Field of View Resolution

- | | |
|-------------|--------------|
| • 2944x1920 | 5MP |
| • 2560x1600 | WQXGA |
| • 2048x1536 | 3MP |
| • 1920x1200 | WUXGA |
| • 1920x1080 | HDTV - 1080p |
| • 1600x1200 | 2MP |
| • 1280x1024 | 1.3MP |
| • 1280x720 | HDTV - 720p |
| • 1024x768 | XGA |
| • 800x600 | SVGA |
| • 704x570 | PAL |
| • 704x480 | NTSC |
| • 640x480 | VGA |
| • 352x288 | CIF |
| • 320x240 | SIF |

Data Transmission

- Video frame rate up to:
 - » 6fps @ 3648x2752
 - » 11fps @ 2944x1920
 - » 13fps @ 2560x1600
 - » 18fps @ 2048x1536
 - » 27fps @ 1600x1200
 - » 36fps @ 1280x1024
- Video frame rate in binned mode up to:
 - » 30fps @ 1920x1080
 - » 25fps @ 1824x1376
 - » 41fps @ 1472x960
 - » 54fps @ 1280x800
 - » 57fps @ 1024x768
 - » 60fps @ 800x600
- Compression type
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate:
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 70Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and proprietary noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power 12-48V DC, 24V AC
- Power consumption 5 Watts maximum

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

- 3" W (76 mm) x 2.5" H (63.5 mm) x 2.25" D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Housing Accessories:

- Dome 4-I - Indoor 4" Vandal Dome
- Dome 4-O - Outdoor 4" Vandal Dome
- Dome 5-I - Indoor 5" Recessed Dome
- HSG1-O-W - Outdoor Environmental Housing w/Heater/Blower

Compatible Lenses:

- Tamron M118FM08
- Tokina KCM-0914MP5
- Tokina KCM-12514MP5
- Fujinon HF12.5SA-1
- Spacecom Pyxis16
- Computar M2514-MP
- Fujinon DV10x8SA-1
- Computar M3Z1228C-MP

AV3135 (Day/Night)



At A Glance

- MegaVideo® H.264 IP Camera
- 3MP and 1.3MP Dual Sensor Day/Night Camera
- Motion Detection
- Regions of Interest
- 2048 x1536 (Color) and 1280x1024 (B/W) Max Resolution
- 32fps Max Frame Rate
- Dual Encoder: H.264 & MJPEG
- Full Frame Rate at Full Resolution in both H.264 & MJPEG
- High Sensitivity Solution

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 3 megapixel color 2048(H) x 1536(V) - 3.2µm
- 1.3 megapixel monochrome 1280(H) x 1024(V) - 5.2µm
- 1/2" CMOS optical format
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.2 Lux @ F1.4
 - » B/W: 0 Lux, IR sensitive
- Dynamic Range 61 dB
- Maximum SNR 49 dB

Full Field of View (FOV) Resolutions

- 2048(H)x1536(V) 3 megapixel
- 1024(H)x768(V) 1/4 resolution
- 1280(H)x1024(V) 1.3 megapixel
- 640(H)x512(V) 1/4 resolution

Cropped Field of View Resolutions

- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 15fps @ 2048x1536
 - » 20fps @ 1920x1200
 - » 22fps @ 1920x1080
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Compression type
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones

Programmability (continued)

- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - 180° flip
- Resolution Windowing Down to 32x32 Pixels Window
- Programmable shutter to minimize motion blurring for low-light mode
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed Images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power 12V-48V DC, 24V AC
- Power consumption 5 Watts maximum

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

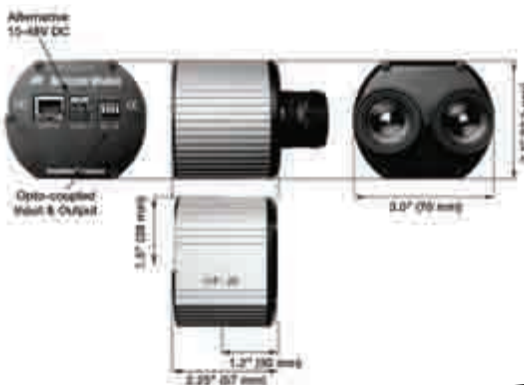
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4.0
MPL6.0
MPL8.0
MPL4-10
MPL8-16
M0814-MP
M1214-MP
M1614-MP
M2514-MP
M5018-MP

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.





Product Line Summary

The affordable MJPEG MegaVideo® megapixel camera series makes high performance available for any application – and budget level. Our implementation of highly optimized compression technology processes over 6 billion operations per second with full motion video. With a host of features that includes Power-over-Ethernet (POE) capability, programmable compression quality, sophisticated on-board motion-detection, simultaneous full field-of-view video with multiple zoom windows, auto-iris support, proprietary noise reduction technology and excellent low-light performance. Easily integrated with major network video recording platforms, Arecont Vision's MJPEG MegaVideo® cameras deliver more than just performance, they're the best value to set your sights on.

Arecont Vision Advantages

Superior Low Light Performance

- 1/2" CMOS Sensor in 1.3, 2 and 3 MP
- 1/2.5" CMOS Sensor in 5 MP
- 1/2.3" CMOS Sensor in 10 MP

Multi-Streaming

- Up to 8 concurrent non-identical streams with different frame rates, bit rates, resolutions and picture quality

Fastest Megapixel Image Rates

- Full frame rates with no image degradation

Forensic Zooming

- Zoom live or after-event while recording full field of view in HD replace PTZ devices

Reduced Overall System Cost

- Less cameras to install, less wiring, no external power (POE), less NVR licensing fees

Cost Efficiency

- Comparable cost to IP VGA & analog cameras

Full or 1/4 Resolution

- Can be selected for either live viewing or archiving purposes

Other Key Features:

- Simultaneous full field of view and Region-of-Interest (ROI)
- Image cropping allows streaming of full density partial images
- On-camera motion detection
- Mechanical IR Cut Filter (DN Version)

Camera Models

Color	Day/Night	Auto-Iris
AV1300M	AV1300DN	AV1300-AI
AV2100M	AV2100DN	AV2100-AI
AV3100M	AV3100DN	AV3100-AI
AV5100M	AV5100DN	AV5100-AI
AV1310	AV1310DN	
AV2110	AV2110DN	
AV3110	AV3110DN	
AV5110	AV5110DN	
	AV3130M	

MJPEG MegaVideo® Product Line at A Glance

		<i>Sensor</i>	<i>Resolution</i>	<i>JPEG</i>	<i>Max Frame Rate @ Max Res.</i>	<i>Minimum Illumination</i>	<i>Color Only</i>	<i>Day/Night</i>	<i>Auto-Iris</i>	<i>Compact</i>	<i>MegaFlash™</i>
	AV1300M	1.3MP	1280x1024	●	32fps	0.1 Lux	●				
	AV1300DN	1.3MP	1280x1024	●	32fps	0 Lux, IR Sensitive		●			
	AV1300-AI	1.3MP	1280x1024	●	32fps	0.1 Lux	●		●		
	AV2100M	2MP	1600x1200	●	24fps	0.1 Lux	●				
	AV2100DN	2MP	1600x1200	●	24fps	0 Lux, IR Sensitive		●			
	AV2100-AI	2MP	1600x1200	●	24fps	0.1 Lux	●		●		
	AV3100M	3MP	2048x1536	●	15fps	0.2 Lux	●				
	AV3100DN	3MP	2048x1536	●	15fps	0 Lux, IR Sensitive		●			
	AV3100-AI	3MP	2048x1536	●	15fps	0.2 Lux	●		●		
	AV5100M	5MP	2592x1944	●	9fps	0.3 Lux	●				
	AV5100DN	5MP	2592x1944	●	9fps	0 Lux, IR Sensitive		●			
	AV5100-AI	5MP	2592x1944	●	9fps	0.3 Lux	●		●		
	AV1310	1.3MP	1280x1024	●	32fps	0.1 Lux	●			●	
	AV1310DN	1.3MP	1280x1024	●	32fps	0 Lux, IR Sensitive		●		●	
	AV2110	2MP	1600x1200	●	24fps	0.1 Lux	●			●	
	AV2110DN	2MP	1600x1200	●	24fps	0 Lux, IR Sensitive		●		●	
	AV3110	3MP	2048x1536	●	15fps	0.2 Lux	●			●	
	AV3110DN	3MP	2048x1536	●	15fps	0 Lux, IR Sensitive		●		●	
	AV5110	5MP	2592x1944	●	9fps	0.3 Lux	●			●	
	AV5110DN	5MP	2592x1944	●	9fps	0 Lux, IR Sensitive		●		●	
	AV3130M	3MP (Color) 1.3MP (B/W)	2048x1536 (Color) 1280x1024 (B/W)	●	15fps (Color) 32fps (B/W)	0.2 Lux (Color) 0 Lux, IR Sensitive (B/W)		● (Dual Sensor)			



AV1300

1.3 Megapixel JPEG IP MegaVideo® Camera

AV1300M (Color) AV1300DN (Day/Night)

AV1300-AI (Auto-Iris)



At A Glance

- MegaVideo® MJPEG Series
- 1.3 Megapixel High Performance Camera
- Motion Detection
- Region of Interest
- 1280 x1024 Max Resolution
- 32fps Max Frame Rate
- Color, Day/Night & Auto Iris Versions

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 1.3 megapixel CMOS image sensor
- 1280(H) x 1024(V) pixel array
- 1/2" optical format
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.1 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

Full Field of View (FOV) Resolutions

- 1280(H)x1024(V) 1.3 megapixel
- 640(H)x512(V) 1/4 resolution

Cropped Field of View Resolutions

- 1280x720 HDTV - 720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 32fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - 180° flip
- Resolution windowing down to 32x32 pixels
- Programmable shutter to minimize motion blurring for low-light mode
- MoonLight™ mode - extended exposure and noise cancellation

Programmability (continued)

- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary Input: 15V-48V DC
- Power consumption 3 Watts maximum
- Optional DC AI connection (AV1300 - AI)

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

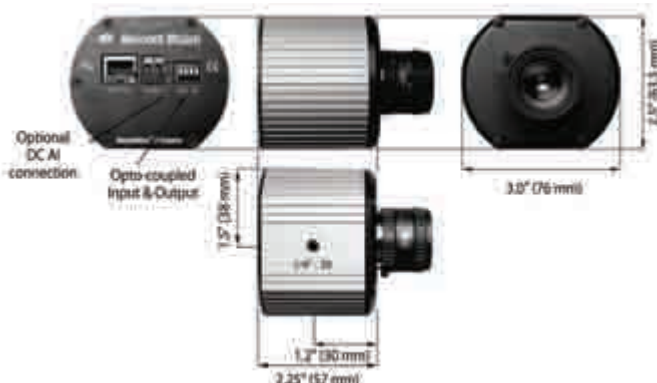
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
Lens4-13
Lens4-10AI

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV2100M (Color) AV2100DN (Day/Night)

AV2100-AI (Auto-Iris)



At A Glance

- MegaVideo® MJPEG Series
- 2 Megapixel High Performance Camera
- Motion Detection
- Region of Interest
- 1600 x1200 Max Resolution
- 24fps Max Frame Rate
- Color, Day/Night & Auto Iris Versions

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 2 megapixel CMOS image sensor
- 1600(H) x 1200(V) pixel array
- 1/2" optical format
- 4.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.1 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

Full Field of View (FOV) Resolutions

- 1600(H)x1200(V) 2 megapixel
- 800(H)x600(V) 1/4 resolution

Cropped Field of View Resolutions

- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- MotionJPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - 180° flip
- Resolution windowing down to 32x32 pixels
- Programmable shutter to minimize motion blurring for low-light mode

Programmability (continued)

- MoonLight™ mode extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power Over Ethernet (PoE): PoE 802.3af
- Auxiliary Input: 15V-48V DC
- Power consumption 3 Watts maximum
- Optional DC AI connection (AV2100 - AI)

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

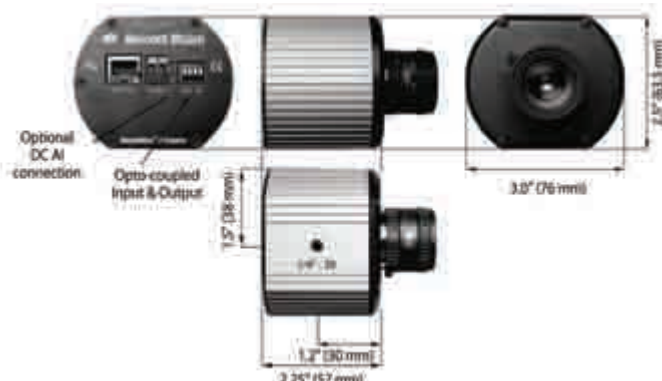
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
lens4-13
lens4-10AI

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV3100

3 Megapixel JPEG IP MegaVideo® Camera

AV3100M (Color)

AV3100DN (Day/Night)

AV3100-AI (Auto-Iris)



At A Glance

- MegaVideo® MJPEG Series
- 3 Megapixel High Performance Camera
- Motion Detection
- Region of Interest
- 2048 x1536 Max Resolution
- 15fps Max Frame Rate
- Color, Day/Night & Auto Iris Versions

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 3 megapixel CMOS image sensor
- 2048(H) x 1536(V) pixel array
- 1/2" optical format
- 3.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.2 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 49 dB

Full Field of View (FOV) Resolutions

- 2048(H)x1536(V) 3 megapixel
- 1024(H)x 768(V) 1/4 resolution

Cropped Field of View Resolutions

- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 15fps @ 2048x1536
 - » 20fps @ 1920x1200
 - » 22fps @ 1920x1080
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)

Programmability (continued)

- Electronic image rotation - 180° flip
- Resolution windowing down to 32x32 pixels
- Programmable shutter to minimize motion blurring for low-light mode
- Moonlight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power Over Ethernet (PoE): PoE 802.3af
- Auxiliary Input: 15V-48V DC
- Power consumption 3 Watts maximum
- Optional DC AI connection (AV3100 - AI)

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

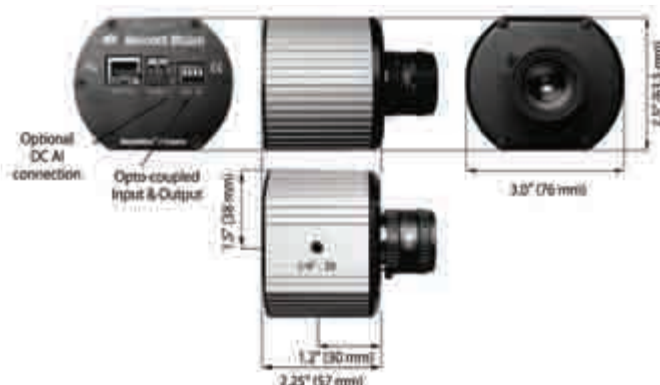
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
lens4-13
lens4-10AI

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV5100 (Color) AV5100DN (Day/Night) AV5100-AI (Auto-Iris)



At A Glance

- MegaVideo® MJPEG Series
- 5 Megapixel High Performance Camera
- Motion Detection
- Region of Interest
- 2592 x 1944 Max Resolution
- 9fps Max Frame Rate
- Color, Day/Night & Auto Iris Versions

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 5 megapixel CMOS image sensor
- 2592(H) x 1944(V) pixel array
- 1/2.5" optical format
- 2.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.3 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 70.1 dB
- Maximum SNR 44.1 dB

Full Field of View (FOV) Resolutions

- 2592(H)x1944(V) 5 megapixel
- 1296(H)x968(V) 1/4 resolution

Cropped Field of View Resolutions

- 2560x1600 WQXGA
- 2048x1536 3MP
- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Data Rate up to 55Mbps
- Video frame rate up to:
 - » 9fps @ 2592x1944
 - » 12fps @ 2560x1600
 - » 15fps @ 2048x1536
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance

Programmability (continued)

- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - 180° flip
- Resolution windowing down to 32x32 pixels window
- Programmable shutter to minimize motion blurring for low-light mode
- Moonlight™ mode - extended exposure and proprietary noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-couple input and output
- Power Over Ethernet (PoE): PoE 802.3af
- DC Input: auxiliary 15V-48V DC
- Power consumption 3 Watts maximum
- Optional DC AI connection (AV5100-AI)

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

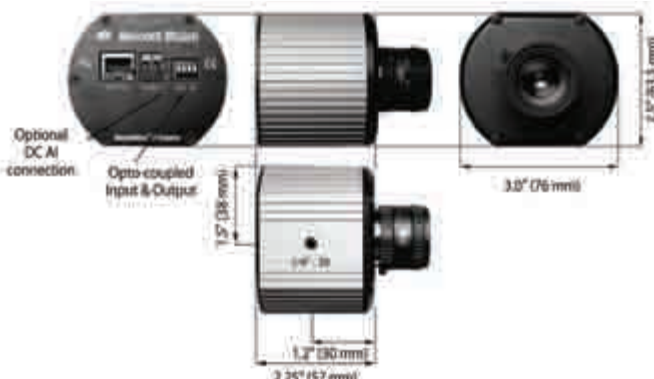
- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
lens4-13
lens4-10AI

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV1310

1.3 Megapixel JPEG IP MegaVideo® Camera

AV1310 (Color) AV1310DN (Day/Night)



At A Glance

- MegaVideo® MJPEG Series
- 1.3 Megapixel Camera
- Motion Detection
- Regions of Interest
- 1280 x1028 Max Resolution
- 32fps Max Resolution
- Color and Day/Night Versions
- Compact

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 1.3 megapixel CMOS image sensor
- 1280(H) x 1024(V) pixel array
- 1/2" optical format
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.1 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

Full Field of View (FOV) Resolutions

- 1280(H)x1024(V) 1.3 megapixel
- 640(H)x512(V) 1/4 resolution

Cropped Field of View Resolutions

- 1280x720 HDTV - 720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Data rate up to 55Mbps
- Video frame rate up to:
 - » 32fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - 180° flip
- Resolution windowing down to 32x32 pixels
- Programmable shutter to minimize motion blurring for low-light mode
- MoonLight™ mode - extended exposure and noise cancellation

Programmability (continued)

- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Electrical

- Power over Ethernet (PoE): PoE 802.3af
- General purpose opto-coupled input and output
- Power consumption 3 Watts maximum

Regulatory Approvals

- FCC, Class A
- CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

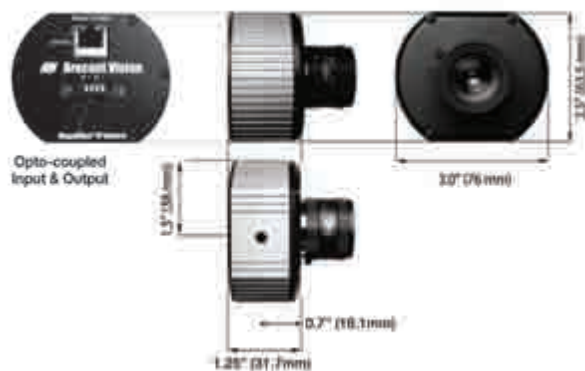
- 3"W (76 mm) x 2.5"H (63.5 mm) x 1.25"D (31.7mm) (w/o lens)
- 5.8oz (164 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
lens4-13

*Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV2110 (Color) AV2110DN (Day/Night)



At A Glance

- MegaVideo® MJPEG Series
- 2 Megapixel Camera
- Motion Detection
- Regions of Interest
- 1600 x1200 Max Resolution
- 24fps Max Resolution
- Color and Day/Night Versions
- Compact

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 2 megapixel CMOS image sensor
- 1600(H) x 1200(V) pixel array
- 1/2" optical format
- 4.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.1 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

Full Field of View (FOV) Resolutions

- 1600(H)x1200(V) 2 megapixel
- 800(H)x600(V) 1/4 resolution

Cropped Field of View Resolutions

- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Data rate up to 55Mbps
- Video frame rate up to:
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - 180° flip
- Resolution windowing down to 32x32 pixels
- Programmable shutter to minimize motion blurring for low-light mode

Programmability (continued)

- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Electrical

- Power over Ethernet (PoE): PoE 802.3af
- General purpose opto-coupled input and output
- Power consumption 3 Watts maximum

Regulatory Approvals

- FCC, Class A
- CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

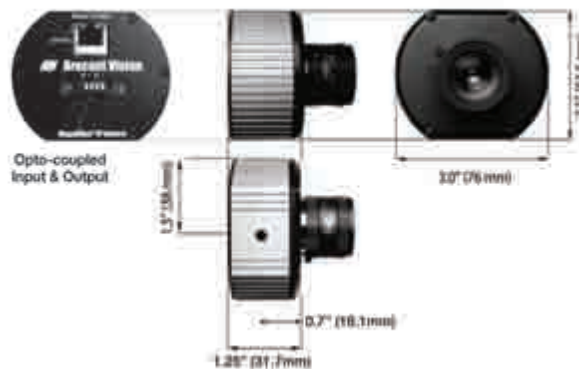
- 3"W (76 mm) x 2.5"H (63.5 mm) x 1.25"D (31.7mm) (w/o lens)
- 5.8oz (164 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
lens4-13

*Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV3110

3 Megapixel JPEG IP MegaVideo® Camera

AV3110 (Color) AV3110DN (Day/Night)



At A Glance

- MegaVideo® MJPEG Series
- 3 Megapixel Camera
- Motion Detection
- Regions of Interest
- 2048 x1536 Max Resolution
- 15fps Max Resolution
- Color and Day/Night Versions
- Compact

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 3 megapixel CMOS image sensor
- 2048(H) x 1536(V) pixel array
- 1/2" optical format
- 3.2 μ m pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.2 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 49 dB

Full Field of View (FOV) Resolutions

- 2048(H)x1536(V) 3 megapixel
- 1024(H)x 768(V) 1/4 resolution

Cropped Field of View Resolutions

- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1260 2MP
- 1280x1024 1.3MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Data rate up to 55Mbps
- Video frame rate up to:
 - » 15fps @ 2048x1536
 - » 20fps @ 1920x1200
 - » 22fps @ 1920x1080
 - » 24fps @ 1600x1200
 - » 32fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - 180° flip

- Resolution windowing down to 32x32 pixels

Programmability (continued)

- Programmable shutter to minimize motion blurring for low-light mode
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Electrical

- Power over Ethernet (PoE): PoE 802.3af
- General purpose opto-coupled input and output
- Power consumption 3 Watts maximum

Regulatory Approvals

- FCC, Class A
- CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

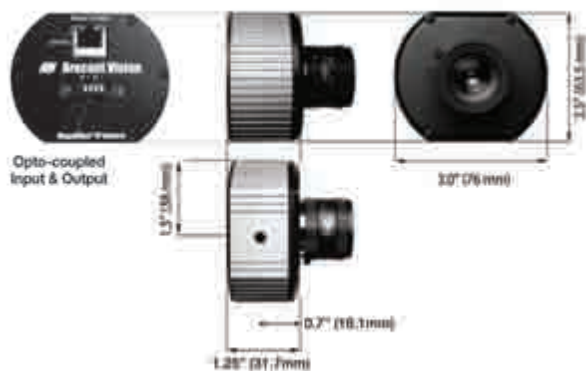
- 3"W (76 mm) x 2.5"H (63.5 mm) x 1.25"D (31.7mm) (w/o lens)
- 5.8oz (164 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
lens4-13

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



AV5110 (Color)

AV5110DN (Day/Night)



At A Glance

- MegaVideo® MJPEG Series
- 5 Megapixel Camera
- Motion Detection
- Regions of Interest
- 2592 x1944 Max Resolution
- 9fps Max Resolution
- Color and Day/Night Versions
- Compact

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 5 megapixel CMOS image sensor
- 2592(H) x 1944(V) pixel array
- 1/2.5" optical format
- 2.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.3 Lux @ F1.4
 - » Day/Night: 0 Lux, IR sensitive
- Dynamic range 70.1 dB
- Maximum SNR 44.1 dB

Full Field of View (FOV) Resolutions

- 2592(H)x1944(V) 5 megapixel
- 1296(H)x968(V) 1/4 resolution

Cropped Field of View Resolutions

- 2560x1600 WQXGA
- 2048x1536 3MP
- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Data Rate up to 55Mbps
- Video frame rate up to:
 - » 9fps @ 2592x1944
 - » 12fps @ 2560x1600
 - » 15fps @ 2048x1536
 - » 24fps @ 1600x1200
 - » 30fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Multi-streaming: 8 non-identical streams

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)

Programmability (continued)

- Electronic image rotation - 180° flip
- Resolution windowing down to 32x32 pixels
- Programmable shutter to minimize motion blurring for low-light mode
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

Electrical

- Power over Ethernet (PoE): PoE 802.3af
- General purpose opto-coupled input and output
- Power consumption 3 Watts maximum

Regulatory Approvals

- FCC, Class A
- CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

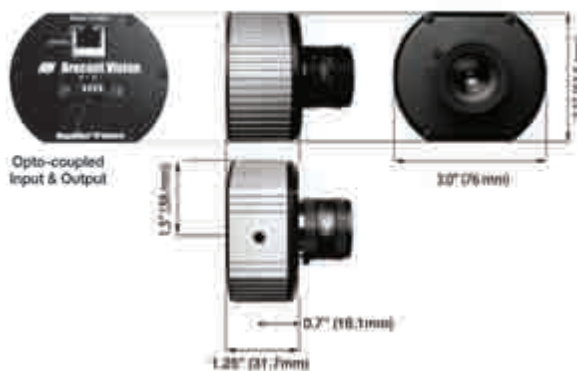
- 3"W (76 mm) x 2.5"H (63.5 mm) x 1.25"D (31.7mm) (w/o lens)
- 5.8oz (164 grams) (w/o lens)
- C/CS lens mount

Compatible Lenses

MPL4-10
MPL8-16
MPL4.0
MPL6.0
MPL8.0
lens4-13

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.



Arecont Vision
megapixel technology...
beyond imagination

AV3130

3/1.3 Megapixel JPEG IP MegaVideo® Camera

AV3130M (Day/Night)



At A Glance

- MegaVideo® MJPEG series
- 3MP and 1.3MP Dual Sensor Day/Night Camera
- Motion Detection
- Regions of Interest
- 2048 x1536 (Color) and 1280x1024 (B/W) Max Resolution
- 32fps Max Frame Rate
- High Sensitivity Solution

Housing Accessories:

Dome 4-I	Indoor 4" Vandal Dome
Dome 4-O	Outdoor 4" Vandal Dome
Dome 5-I	Indoor 5" Recessed Dome
HSG1-O-W	Outdoor Environmental Housing

Imaging

- 3 megapixel color 2048(H) x 1536(V) - 3.2µm
- 1.3 megapixel monochrome 1280(H) x 1024(V) - 5.2µm
- 1/2" CMOS optical format
- Bayer mosaic RGB filter
- Minimum illumination of:
 - » Color: 0.2 Lux @ F1.4
 - » B/W: 0 Lux, IR sensitive
- Dynamic Range 61 dB
- Maximum SNR 49 dB

Full Field of View (FOV) Resolutions

- 2048(H)x1536(V) 3 megapixel
- 1024(H)x768(V) 1/4 resolution
- 1280(H)x1024(V) 1.3 megapixel
- 640(H)x512(V) 1/4 resolution

Cropped Field of View Resolutions

- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - » 15 fps @ 2048x1536
 - » 20 fps @ 1920x1200
 - » 22 fps @ 1920x1080
 - » 24 fps @ 1600x1200
 - » 32 fps @ 1280x1024
- Compression type
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Multi-streaming: 8 non-identical streams
- Data Rate up to 55Mbps

Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones
- Auto backlight compensation

Programmability (continued)

- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - 180° flip
- Resolution Windowing Down to 32x32 Pixels Window
- Programmable shutter to minimize motion blurring for low-light mode
- MoonLight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed Images
- Bandwidth & storage savings by running at 1/4 resolution

Camera Electrical

- General purpose opto-coupled input and output
- Power Over Ethernet (PoE): PoE 802.3af
- Auxiliary Input: 15V-48V DC
- Power consumption 3 Watts maximum

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

Mechanical

- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount

Lenses

- MPL4.0
- MPL6.0
- MPL8.0
- MPL4-10
- MPL8-16
- M0814-MP
- M1214-MP
- M1614-MP
- M2514-MP
- M5018-MP

* Other megapixel lenses are also available

See housing specification sheets for compatible lenses with Arecont Vision's housing options.





Product Line Summary

The SurroundVideo® series consists of 8 megapixel panoramic dual encoder (H.264 & MJPEG) or single encoder (MJPEG) cameras with 180 degree and 360 degree configurations. Unlike other panoramic technologies these multi-sensor cameras provide high definition imaging throughout the entire panoramic field of view without any post processing to de-warp the image. Arecont Vision's unique SurroundVideo® technology uses four high definition 2MP sensors to provide a high definition panorama - 6400x1200 across all four sensors or 1600x1200 per sensor. The Return on Investment for a SurroundVideo® camera is easily measured when one considers it can replace up to 24 fixed cameras or a PTZ while recording the entire panoramic field of view with the ability to zoom into multiple regions of interest. There's no other megapixel camera solution that delivers such outstanding Return on Investment.

Arecont Vision Advantages

H.264 (MPEG4, Part 10) Compression Standard

- Simultaneous support of both H.264 and MJPEG
- 10x average bandwidth and storage reduction over MJPEG

World's First H.264 Panoramic Megapixel Cameras

- 8 megapixel 180° and 360° field of view

Bit Rate Control

- Maintain desired bandwidth and storage size

Real Time Streaming Protocol (RTSP)

- Allows for compatibility with media players such as Apple QuickTime, Windows Media Player, VLC Player, etc.

Superior Low Light Performance

- 1/2" CMOS Sensor

Unparalleled High Definition Resolution - 6400x1200

- Total resolution: 6400(H) x 1200(V) - (4 x 2 MP)
- Resolution up to 1600(H) x 1200(V) per sensor
- Substitute up to 25 IP VGA or analog cameras

Fastest Megapixel Image Rates

- Up to 22fps per channel

Other Key Features:

- Moonlight™ Mode - extended exposure and noise cancellation
- Up to four Regions of Interest for simultaneous panoramic and digital PTZ viewing and recording
- Image cropping to discard unnecessary scene and more

Camera Models

Color	Color
AV8185	AV8180
AV8365	AV8360

SurroundVideo® Product Line at A Glance

		<i>Sensor</i>	<i>Resolution</i>	<i>Max Frame Rate @ Max Res.</i>	<i>Minimum Illumination</i>	<i>Field of View</i>	<i>H.264</i>	<i>JPEG</i>	<i>Lens</i>
	AV8185	4x2MP	6400x1200	22fps	0.2 Lux	180°	●	●	8mm
	AV8365	4x2MP	6400x1200	22fps	0.2 Lux	360°	●	●	4mm
	AV8180	4x2MP	6400x1200	22fps	0.2 Lux	180°		●	8mm
	AV8360	4x2MP	6400x1200	22fps	0.2 Lux	360°		●	4mm



AV8185 (Color)



Imaging

- Four 2 megapixel CMOS image sensors
- 1600(H) x 1200(V) pixel array each sensor
- 1/2" optical format
- Bayer mosaic RGB filter
- Sensitivity 0.2 Lux @ F2.0
- Dynamic range 61 dB
- Maximum SNR 50 dB
- Moonlight™ mode - extended exposure and noise cancellation

Full Field of View (FOV) Resolutions

- 1600(H) x 1200(V) x 4, 8 megapixel total
- 800(H) x 600(V) x 4, 2 MP total (1/4 resolution)

Data Transmission

- Video frame rate up to:
 - » 88 fps @ 800x600
 - » 22 fps @ 1600x1200
 - » 5.5 fps @ 6400x1200
- Compression type
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate:
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for fullview, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - upside-down image turn
- Resolution windowing down to 32x32 pixels window
- Programmable motion blurring control for low-light mode
- Moonlight™ mode - extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Up to four regions of interest for simultaneous panoramic and digital PTZ viewing

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption 9 Watts maximum

Regulatory Approvals

- FCC, CE and RoHS compliant

Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non condensing)

Mechanical

- 6.49"(H) (164.8mm) x 6.0" dia. (152.4mm)
- 4 pounds or 1815 grams

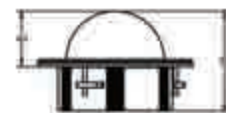
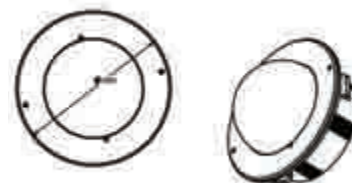
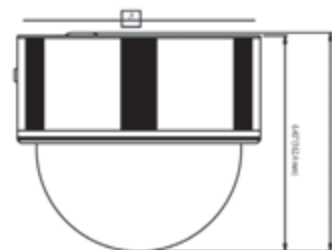
At A Glance

- SurroundVideo® H.264 Series
- 8MP Panoramic Camera Solution
- 180° Field of View
- 1600 x1200 x4 Max Resolution
- 22fps Max Frame Rate per Sensor
- Dual Encoder: H.264 & MJPEG
- Regions of Interest and Electronic PTZ

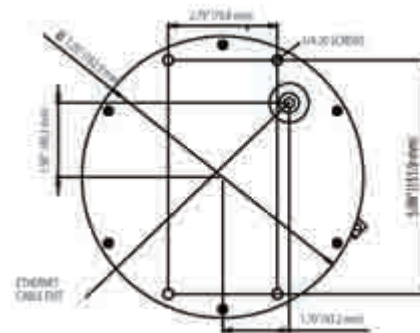
Housing Accessories:

Dome6-I-C	Indoor 6" Pendant Dome, Ceiling Mount
Dome6-I-W	Indoor 6" Pendant Dome, Wall Mount
Dome6-O-C	Outdoor 6" Pendant Dome, Ceiling Mount
Dome6-O-W	Outdoor 6" Pendant Dome, Wall Mount
RD-KIT	Indoor Recessed Dome Ring Kit
D6-CMA	Corner Mount Adapter
D6-PMA	Pole Mount Adapter

180° Field of View



Recessed Dome Kit



AV8365

8 Megapixel 360° Panoramic H.264 IP Camera

AV8365 (Color)



At A Glance

- SurroundVideo® H.264 Series
- 8MP Panoramic Camera Solution
- 360° Field of View
- 1600 x 1200 x 4 Max Resolution
- 22fps Max Frame Rate per Sensor
- Dual Encoder: H.264 & MJPEG
- Regions of Interest and Electronic PTZ

Housing Accessories:

Dome6-I-C	Indoor 6" Pendant Dome, Ceiling Mount
Dome6-I-W	Indoor 6" Pendant Dome, Wall Mount
Dome6-O-C	Outdoor 6" Pendant Dome, Ceiling Mount
Dome6-O-W	Outdoor 6" Pendant Dome, Wall Mount
RD-KIT	Indoor Recessed Dome Ring Kit
D6-CMA	Corner Mount Adapter
D6-PMA	Pole Mount Adapter

Imaging

- Four 2 megapixel CMOS image sensors
- 1600(H) x 1200(V) pixel array each sensor
- 1/2" optical format
- Bayer mosaic RGB filter
- Sensitivity 0.2 Lux @ F2.0
- Dynamic range 61 dB
- Maximum SNR 50 dB
- Moonlight™ mode - extended exposure and noise cancellation

Full Field of View (FOV) Resolutions

- 1600(H) x 1200(V) x 4, 8 megapixel total
- 800(H) x 600(V) x 4, 2 MP total (1/4 resolution)

Data Transmission

- Video frame rate up to:
 - » 88 fps @ 800x600
 - » 22 fps @ 1600x1200
 - » 5.5 fps @ 6400x1200
- Compression type
 - » H.264 (MPEG4, Part 10)
 - » Motion JPEG
 - » 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate:
 - » Bit rate control from 100Kbps to 10Mbps
 - » Bit rate control available for full view, multi view, and archive
 - » Unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation upside-down image turn
- Resolution windowing down to 32x32 pixels window
- Programmable motion blurring control for low-light mode
- Moonlight™ mode - extended exposure and proprietary noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Up to four regions of interest for simultaneous panoramic and digital PTZ view

Camera Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC, 24V AC
- Power consumption 9 Watts maximum

Regulatory Approvals

- FCC, CE and RoHS compliant

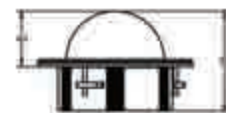
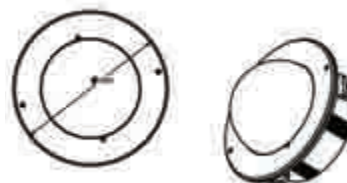
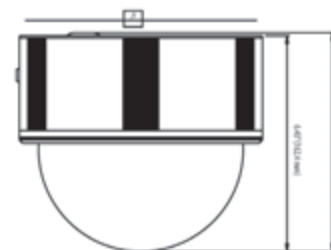
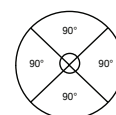
Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non condensing)

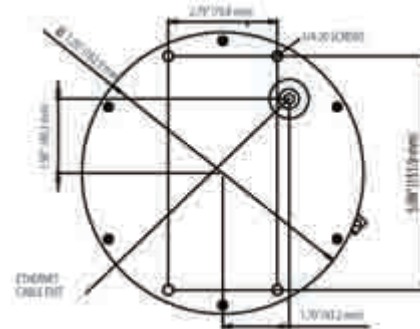
Mechanical

- 6.49"(H) (164.8mm) x 6.0" dia. (152.4mm)
- 4 pounds or 1815 grams

360° Field of View



Recessed Dome Kit



AV8180 (Color)



At A Glance

- SurroundVideo® MJPEG Series
- 8MP Panoramic Camera Solution
- 180° Field of View
- 1600 x 1200 x 4 Max Resolution
- 22fps Max Frame Rate per Sensor
- Motion Detection
- Regions of Interest and Electronic PTZ

Housing Accessories:

Dome6-I-C	Indoor 6" Pendant Dome, Ceiling Mount
Dome6-I-W	Indoor 6" Pendant Dome, Wall Mount
Dome6-O-C	Outdoor 6" Pendant Dome, Ceiling Mount
Dome6-O-W	Outdoor 6" Pendant Dome, Wall Mount
RD-KIT	Recessed Dome Ring Kit
D6-CMA	Corner Mount Adapter
D6-PMA	Pole Mount Adapter

Imaging

- Four 2 megapixel CMOS image sensors
- 1600(H) x 1200(V) pixel array each sensor
- 1/2" optical format
- 4.2 μ m pixel pitch
- Bayer mosaic RGB filter
- Sensitivity 0.2 Lux @ F2.0
- Dynamic range 61 dB
- Maximum SNR 50 dB
- Moonlight™ mode - extended exposure and noise cancellation

Full Field of View (FOV) Resolutions

- 1600(H) x 1200(V) x 4, 8 megapixel total
- 800(H) x 600(V) x 4, 2 MP total (1/4 resolution)

Data Transmission

- Video frame rate up to:
 - » 88 fps @ 800x600
 - » 22 fps @ 1600x1200
 - » 5.5 fps @ 6400x1200
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation upside-down image turn
- Resolution windowing down to 32x32 pixels window
- Programmable motion blurring control for low-light mode
- Moonlight™ mode - extended exposure and proprietary noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Up to four regions of interest for simultaneous panoramic and digital PTZ viewing and recording

Camera Electrical

- General purpose opto-coupled input and output
- Power Over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC
- Power consumption 7.8 Watts maximum

Regulatory Approvals

- FCC, CE and RoHS compliant

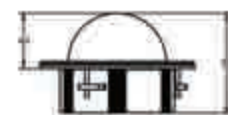
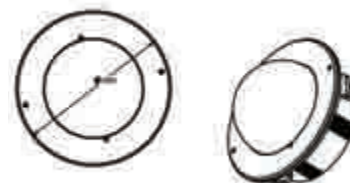
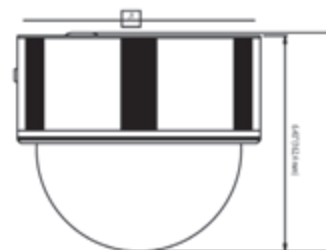
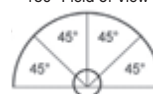
Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non condensing)

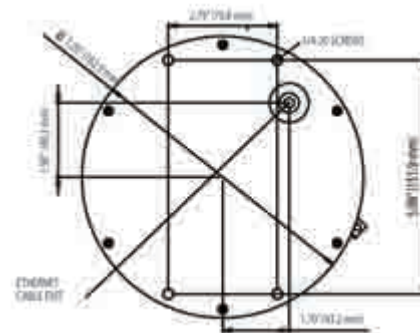
Mechanical

- 6.49"(H) (164.8mm) x 6.0" dia. (152.4mm)
- 4 pounds or 1815 grams

180° Field of View



Recessed Dome Kit



AV8360

8 Megapixel 360° Panoramic JPEG IP Camera

AV8360 (Color)



At A Glance

- SurroundVideo® MJPEG Series
- 8MP Panoramic Camera Solution
- 360° Field of View
- 1600 x 1200 x 4 Max Resolution
- 22fps Max Frame Rate per Sensor
- Motion Detection
- Regions of Interest and Electronic PTZ

Housing Accessories:

Dome6-I-C	Indoor 6" Pendant Dome, Ceiling Mount
Dome6-I-W	Indoor 6" Pendant Dome, Wall Mount
Dome6-O-C	Outdoor 6" Pendant Dome, Ceiling Mount
Dome6-O-W	Outdoor 6" Pendant Dome, Wall Mount
RD-KIT	Recessed Dome Ring Kit
D6-CMA	Corner Mount Adapter
D6-PMA	Pole Mount Adapter

Imaging

- Four 2 megapixel CMOS image sensors
- 1600(H) x 1200(V) pixel array each sensor
- 1/2" optical format
- 4.2 µm pixel pitch
- Bayer mosaic RGB filter
- Sensitivity 0.2 Lux @ F2.0
- Dynamic range 61 dB
- Maximum SNR 50 dB
- Moonlight™ mode - extended exposure and noise cancellation

Full Field of View (FOV) Resolutions

- 1600(H) x 1200(V) x 4, 8 megapixel total
- 800(H) x 600(V) x 4, 2 MP total (1/4 resolution)

Data Transmission

- Video frame rate up to:
 - » 88 fps @ 800x600
 - » 22 fps @ 1600x1200
 - » 5.5 fps @ 6400x1200
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability

- Auto exposure (AE) and Gain Control (AGC) >120dB
- On-camera motion detection with 64 detection zones
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - upside-down image turn
- Resolution windowing down to 32x32 pixels window
- Programmable motion blurring control for low-light mode
- Moonlight™ mode - extended exposure and proprietary noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Up to four regions of interest for simultaneous panoramic and digital PTZ viewing and recording

Camera Electrical

- General purpose opto-coupled input and output
- Power Over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12V-48V DC
- Power consumption 7.8 Watts maximum

Regulatory Approvals

- FCC, CE and RoHS compliant

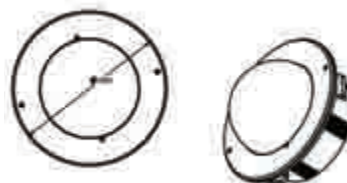
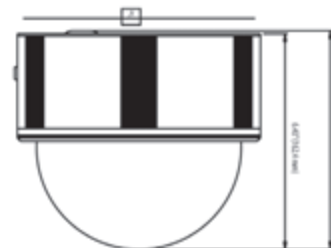
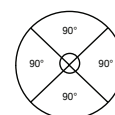
Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non condensing)

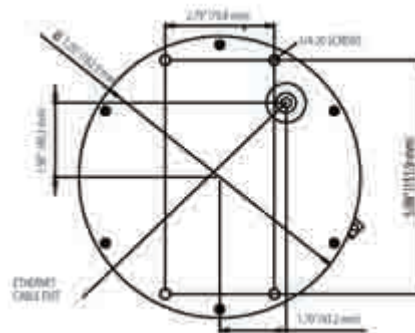
Mechanical

- 6.49"(H) (164.8mm) x 6.0" dia. (152.4mm)
- 4 pounds or 1815 grams

360° Field of View



Recessed Dome Kit



Product Line Summary

Arecont Vision's domes, housings and accessories are essential components for diverse indoor and outdoor applications. Combining dome enclosures and housings with the superior imaging of Arecont Vision cameras provides the ideal solution for special environments, where cameras can be well protected from harsh surrounding elements. The entire line of Arecont Vision housings and accessories is designed to house MegaDome™, MegaVideo® and SurroundVideo® cameras.

Arecont Vision Advantages:

Superior Solution for Various Environments

- Indoor or outdoor applications

Excellent Enclosure Protection

- Heavy duty enclosures feature an IP66 rating for applications in harsh environments

Compatibility

- Designed to house MegaDome™, MegaVideo® and SurroundVideo® products

Easy Installation

- Easy installation and superior design, perfect for indoor or outdoor applications

MegaVideo®

Dome 4-I - Indoor 4"
Dome 4-O - Outdoor 4"
Dome 5-I - Indoor 5"
HSG1-O-W
SS-HSG1

SurroundVideo®

Dome 6-I-C
Dome 6-I-W
Dome 6-O-C
Dome 6-O-W
RD-KIT
D6-PMA
D6-CMA

MegaDome™

MD-WMT
MD-CMT
MD-CRMA
MD-PMA
MD-EBA
MD-FMA
MD-1HK

MegaVideo® Accessories



Dome 4-I
Dome 4-O



HSG1-O-W



Dome 5-I

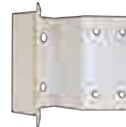
SurroundVideo® Accessories



Dome 6-I-W
Dome 6-O-W



RD-Kit



D6-CMA



D6-PMA



Dome 6-I-C
Dome 6-O-C

MegaDome™ Accessories



MD-WMT



MD-EBA



MD-CRMA

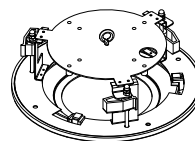


MD-PMA



MD-CMT

MD-FMA: Flush Mount Adapter



Camera Housings & Accessories at A Glance

HOUSINGS		Accessory Category	Type	Mount	Dome Diameter (Inches)	Outdoor	IP66	Vandal Resistant	Heater	Blower
	DOME4-I	MegaVideo®	Dome	Surface	4	NO	YES	YES	NO	NO
	DOME4-O	MegaVideo®	Dome	Surface	4	YES	YES	YES	YES	NO
	DOME5-I	MegaVideo®	Dome	Flush	5	NO	NO	NO	NO	NO
	HSG1 -O-W	MegaVideo®	Housing	Wall	-	YES	IP67	YES	YES	YES
	DOME6-I-C	SurroundVideo®	Dome	Pendant	6	NO	NO	YES	NO	NO
	DOME6-I-W	SurroundVideo®	Dome	Wall	6	NO	NO	YES	NO	NO
	DOME6-O-C	SurroundVideo®	Dome	Pendant	6	YES	YES	YES	YES	YES
	DOME6-O-W	SurroundVideo®	Dome	Wall	6	YES	YES	YES	YES	YES

ACCESSORIES		Accessory Category	Type	Mount
	MD-WMT	MegaDome®	Adapter	Wall
	MD-CMT	MegaDome®	Adapter	Pendant
	MD-FMA	MegaDome®	Adapter	Flush
	MD-CRMA	MegaDome®	Adapter	Corner
	MD-PMA	MegaDome®	Adapter	Pole
	MD-EBA	MegaDome®	Adapter	Elect. box
	MD-1HK	MegaDome®	Accessory	Heater
	D6-CMA	SurroundVideo®	Adapter	Corner
	D6-PMA	SurroundVideo®	Adapter	Pole
	RD-KIT	SurroundVideo®	Adapter	Flush
	SS-HSG1	MegaVideo®	Accessory	Sunshield



Dome 4-I Dome 4-O



Mechanical

- Housing material:
 - » Aluminum
- Dome Cover Protection:
 - » Vandal resistant polycarbonate
- Dome Cover Diameter:
 - » 4.5 inch (114.3 mm)
- Back Plate Diameter:
 - » 6.30 inch (160 mm)
- Housing Height:
 - » 4.90 inch (125 mm)
- Dome Cover Height:
 - » 2.80 inch (70 mm)
- Housing Diameter:
 - » 6.30 inch (160 mm)
- Weight w/o camera:
 - » 2.2lbs(1kg)
- Security:
 - » Tamper proof screws

Environmental

- Operating Temperature:
 - 0°C (32 °F) to 50°C (122 °F)
- Humidity:
 - 0 to 95 % relative, non-condensing
- Enclosure Protection:
 - IP66 Rating

Compatible Cameras

• AV1305	AV1305DN	
• AV1310	AV1310DN	AV3110MF
• AV1300M	AV1300DN	
• AV2105	AV2105DN	
• AV2110	AV2110DN	AV2110MF
• AV2100M	AV2100DN	
• AV3105	AV3105DN	
• AV3110	AV3110DN	AV3110MF
• AV3100M	AV3100DN	
• AV5105	AV5105DN	
• AV5110	AV5110DN	AV5110MF
• AV5100M	AV5100DN	
• AV10005	AV10005DN	
• AV3130M	AV3135	

Compatible Lenses

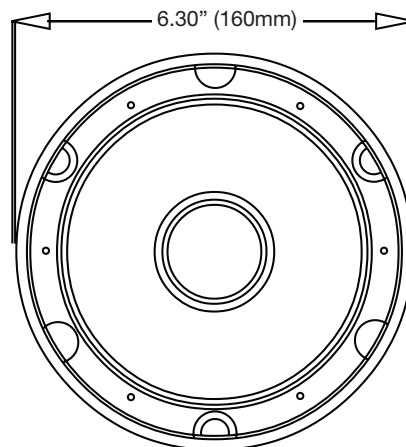
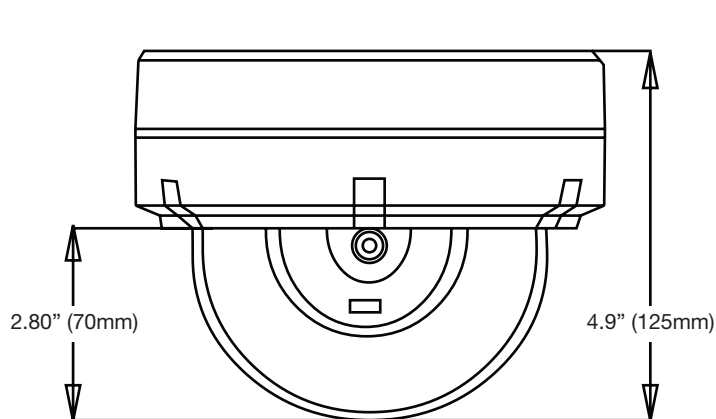
MPL4.0
MPL8.0
Lens4.0
Lens6.0
Lens8.0
Lens12.0

Heater Electrical (Dome4-0)

- Heater Resistance 300 ohm
- 12V DC 0.5 Watts
- 24V AC 1 Watts
- 24V DC 1.9 Watts

Overview

The Dome 4 provides excellent protection for the entire MegaVideo® line of Arecont Vision cameras. Combining this 4" dome with the superior imaging of an Arecont Vision camera provides the perfect solution for environments in which cameras need to be less noticeable, or require additional protection from the elements.



Dome 5

Indoor/Outdoor 5" Vandal Dome

Dome 5-I



Mechanical

- Bubble Diameter - 5 inch (127 mm)
- Dust Protection cover box:
 - » Length: 8 inch (203 mm)
 - » Width: 4.5 inch (114 mm)
 - » Height: 3 inch (76 mm)
- Housing Height:
 - » 3 inch (76 mm)
- Dome Height:
 - » 2.80 inch (70 mm)
- Housing Diameter:
 - » 7 inch (178 mm)
- Dome Cover Height:
 - » 2.80 inch (70mm)

Environmental

- Operating Temperature - 0C (32 °F) to 50C (122 °F)
- Humidity - 0 to 95% relative, non-condensing
- Enclosure Protection - Indoor Only

Compatible Cameras

• AV1305	AV1305DN	
• AV1310	AV1310DN	AV3110MF
• AV1300M	AV1300DN	
• AV2105	AV2105DN	
• AV2110	AV2110DN	AV2110MF
• AV2100M	AV2100DN	
• AV3105	AV3105DN	
• AV3110	AV3110DN	AV3110MF
• AV3100M	AV3100DN	
• AV5105	AV5105DN	
• AV5110	AV5110DN	AV5110MF
• AV5100M	AV5100DN	
• AV10005	AV10005DN	

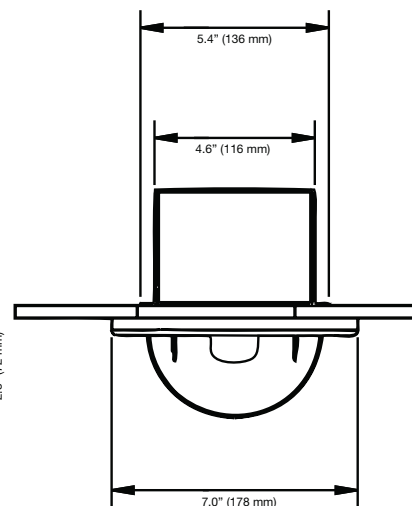
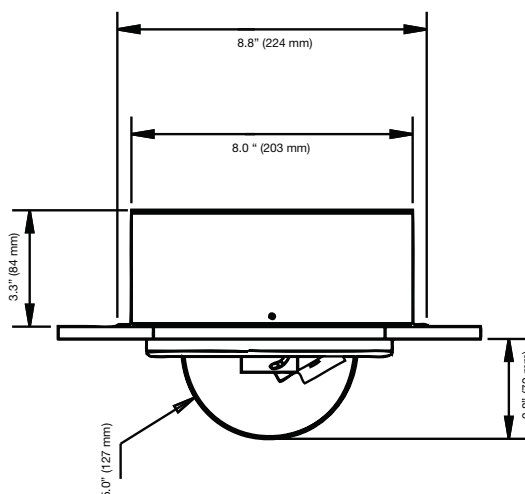
AV3130M AV3135

Compatible Lenses

MPL4.0	MPL4-10
MPL8.0	MPL8-16
Lens4.0	Lens4-13
Lens6.0	Lens4-10AI
Lens8.0	
Lens12.0	

Overview

The Dome 5 provides protection for the entire MegaVideo® line of Arecont Vision cameras. Combining this 5" dome with the superior imaging of an Arecont Vision camera provides the perfect solution for environments in which cameras need to be less noticeable or require additional protection from the elements.



Dome 6-I-O

Dome 6-I-W

Dome 6-O-C

Dome 6-O-W



Mechanical

- Housing material:
 - » Aluminum
- Dome Cover Protection:
 - » Vandal resistant polycarbonate
- Color:
 - » Beige
- Dome Diameter:
 - » 6 in (same for indoor & outdoor)
- Housing Height:
 - » Indoor: 6.3in (160 mm)
 - » Outdoor: 6.4in (162 mm)
- Housing Diameter:
 - » Indoor: 8.6in (218 mm)
 - » Outdoor: 9.3in (236 mm)
- Weight w/o camera:
 - » Indoor housing: 1.26 lbs (570 g)
 - » Outdoor housing: 1.30 lbs (590 g)
 - » Pendant bracket: 1.50 lbs (680 g)
 - » Wall mount bracket: 2.16 lbs (980 g)

Electrical

- Power Supply:
 - » Indoor: Not Applicable
 - » Outdoor: 24 VAC heater/blower .8A
- Power Consumption:
 - » Indoor: Not applicable
 - » Outdoor: 20 Watts maximum

Environmental

- Operating Temperature:
 - » Indoor: 0°C (32 °F) to 50°C (122 °F)
 - » Outdoor: -40 °C (-40 °F) to 50 °C (122 °F)
- Humidity:
 - » 0 to 95% relative, non-condensing
- Enclosure Protection:
 - » Indoor: Vandal Resistant
 - » Outdoor: IP66 Outdoor Protection, Vandal Resistant
- Fan
 - » Indoor: Not Applicable
 - » Outdoor: Fan Operates Continuously
- Heater:
 - » Indoor: Not Applicable
 - » Outdoor: Heater auto starts when temperature drops below to 5 °C (41 °F)

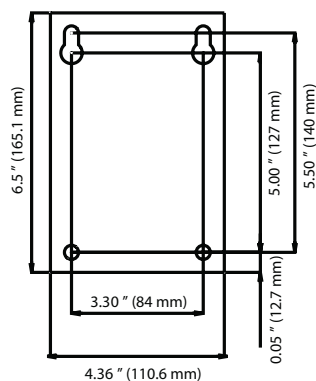
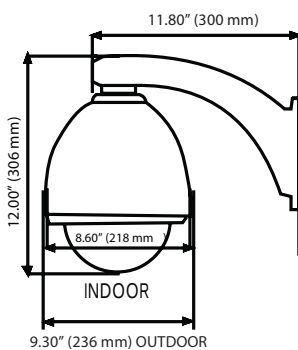
Compatible Cameras

- AV8185 AV8180
- AV8365 AV8360

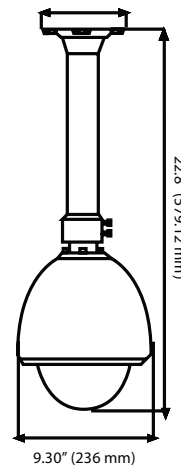
Overview

The Dome 6 provides high quality environmental housing designed for the AV8185/8180 and AV8365/8360 megapixel cameras. Combining this 6" dome with the superior imaging of an Arecont Vision camera provides the perfect solution for environments in which cameras need to be less noticeable or require additional protection from the elements.

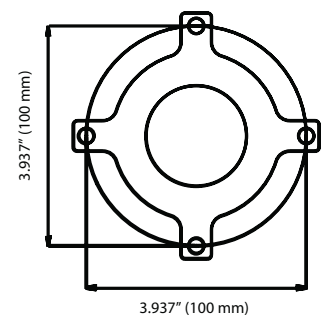
Wall Mount



Ceiling Mount



Ceiling Mount



HSG1-O-W



Mechanical

- Housing material:
 - » Aluminum
- Color:
 - » White
- Dimensions (WxHxD):
 - » 16.5" x 6.5" x 5.5" (422mm x 174mm x 145 mm)
 - » Wall Mount Dimensions (WxHxD):
 - » 6.5" x 5.5" x 4.5" (172mm x 144 mm x 114 mm)
- Weight w/o camera:
 - » Housing: 5lbs (2300g)
 - » Wall Mount: 1.3lbs (600g)

Electrical

- Power Supply:
 - » 24 VAC Heater/Blower
- Power Consumption:
 - » 25 Watts maximum

Environmental

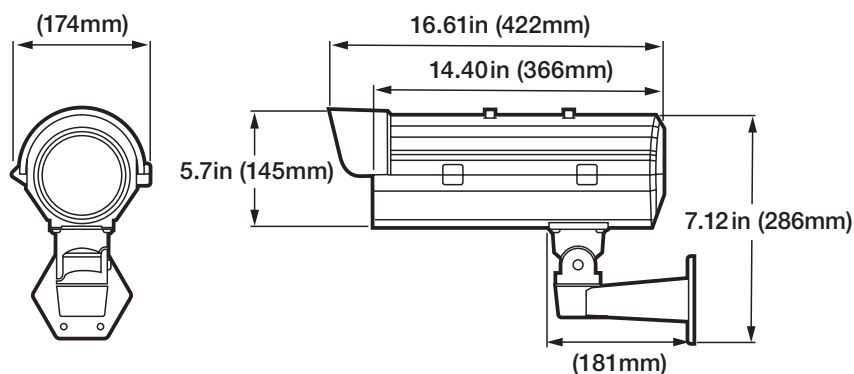
- Operating Temperature - 30°C (-22°F) to 50°C (122°F)
- Operating Humidity 90% relative, non condensing

Compatible Cameras

• AV1305	AV1305DN	
• AV1310	AV1310DN	AV3110MF
• AV1300M	AV1300DN	
• AV2105	AV2105DN	
• AV2110	AV2110DN	AV2110MF
• AV2100M	AV2100DN	
• AV3105	AV3105DN	
• AV3110	AV3110DN	AV3110MF
• AV3100M	AV3100DN	
• AV5105	AV5105DN	
• AV5110	AV5110DN	AV5110MF
• AV5100M	AV5100DN	
• AV10005	AV10005DN	
• AV3130M	AV3135	

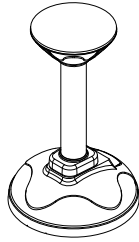
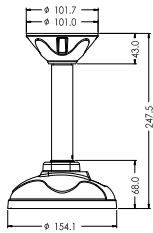
Overview

The HSG1 environmental housing provides excellent protection for the entire MegaVideo® line of Arecont Vision cameras. Combining this high quality indoor/outdoor housing with the superior imaging of Arecont Vision cameras provides the perfect solution for environments that require protection from the elements.

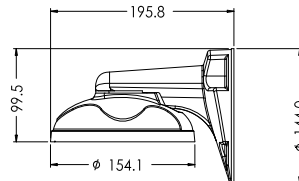
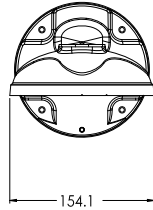
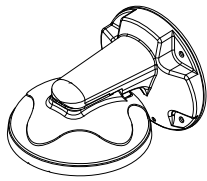


SS-HSG1

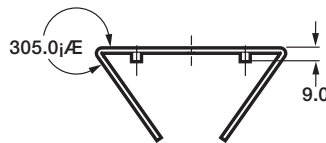
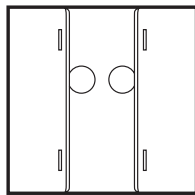
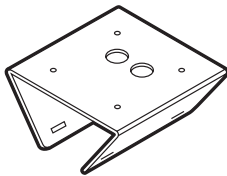
MD-PMT: Pendant Mount for MegaDome™



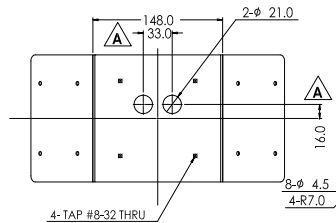
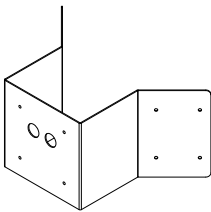
MD-WMT: Wall Mount for MegaDome™



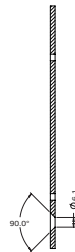
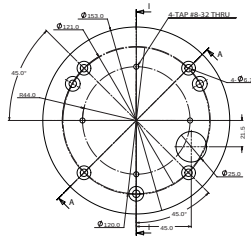
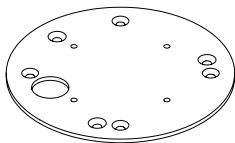
MD-PMA: Pole Mount Adapter (requires MD-WMT)



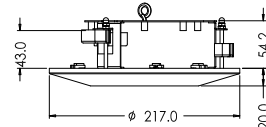
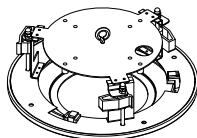
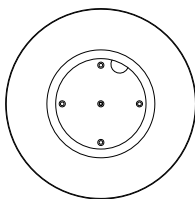
MD-CRMA: Corner Mount Adapter (requires MD-WMT)



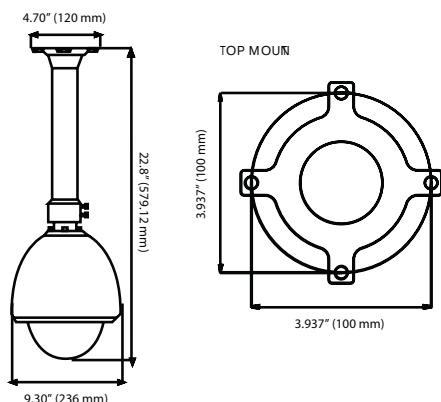
MD-EBA: Electrical Box Adapter



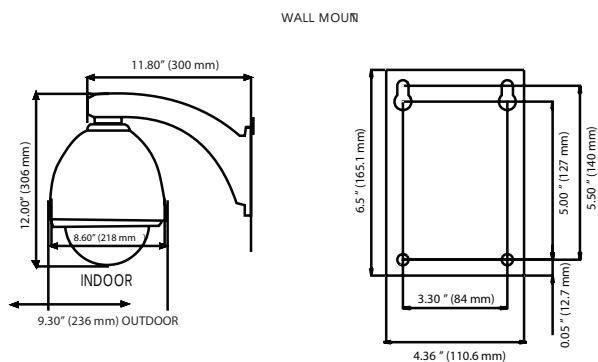
MD-FMA: Flush Mount Adapter



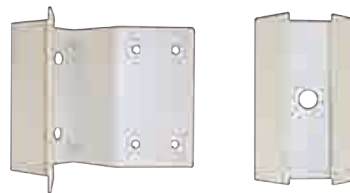
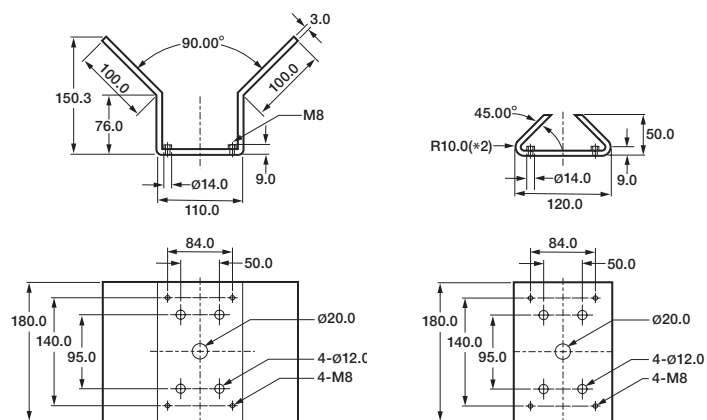
Dome 6-I-C: Indoor 6" Pendant Dome, Ceiling Mount
Dome 6-O-C: Outdoor 6" Pendant Dome, Ceiling Mount



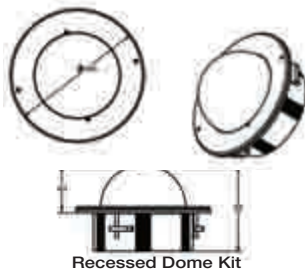
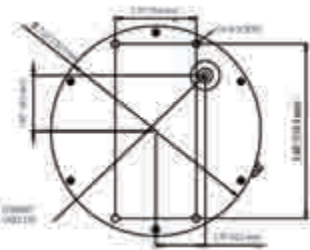
Dome 6-I-W: Indoor 6" Pendant Dome, Wall Mount
Dome 6-O-W: Outdoor 6" Pendant Dome, Wall Mount



D6-CMA: Corner Mount (requires Dome 6-I-W Or Dome 6-O-W)
D6-PMA: Pole Mount (requires Dome 6-I-W Or Dome 6-O-W)



RD-KIT Recessed Dome Ring Kit



Product Line Summary

Arecont Vision offers a comprehensive array of megapixel CCTV lenses, carefully selected to provide the best optical performance and megapixel imaging. Combined with Arecont Vision's high performance megapixel cameras, the lens selection enables our customers to achieve superior results in megapixel security solutions.

Arecont Vision Advantages:

A Wide Variety of Megapixel Rated Lenses

- Varifocal and fixed focal lenses to accommodate multi-megapixel resolution cameras in diverse environments

Superior Light Performance

- IR corrected for day or night conditions

Wide Range of Optical Solutions

- From 1.3mm to 50mm horizontal field of view

Other key features

- Available with Auto-Iris
- C and CS mount options
- Indoor/Outdoor solutions



Lenses

Lens2.3	H0514-MP	M12VG412	SY110M	DV3.4X3.8SA-SA1
Lens4.0	M0814-MP	M12VM412	SY110A	HF9HA-1B
Lens6.0	M1214-MP	12VM1040ASI	SY125M	HF12.5HA-1B
Lens8.0	M1614-MP	12VG1040ASI	SY125A	HF16HA-1B
Lens12.0	M2514-MP	23FM16SP	MY125M	HF25HA-1B
Lens4-10AI	M3514-MP	23FM25SP		HF35HA-1B
Lens4-13	M5018-MP	23FM50SP		HF50HA-1B
MPL4.0	M7528-MP			HF75HA-1B
MPL6.0	H2Z0414FC-MP			
MPL8.0	HG2Z0414FC-MP			
MPL4-10	M3Z1228C-MP			
MPL8-16	H3Z4518CS-MPIR			

Arecont Vision Lenses at A Glance

		<i>Focal Length (mm)</i>	<i>Format</i>	<i>F-Stop</i>	<i>Mount</i>	<i>DC Auto Iris</i>	<i>Wide</i>	<i>Tele</i>	<i>IR Corrected</i>	<i>Fixed Varifocal</i>
ARECONT	LENS2.3	2.3	1/2"	2.0	CS	NO	Fisheye		NO	FIXED
	LENS4.0	4	1/2"	2.0	CS	NO	90°		NO	FIXED
	LENS6.0	6	1/2"	2.0	CS	NO	64.5°		NO	FIXED
	LENS8.0	8	1/2"	2.0	CS	NO	45°		NO	FIXED
	LENS12.0	12	1/2"	2.0	CS	NO	30°		NO	FIXED
	LENS4-10AI	4-10	1/2"	1.8	CS	YES	94.8°	37.3°	NO	VARIFOCAI
	LENS4-13	4-13	1/2"	1.8	CS	NO	90.3°	31.2°	YES	VARIFOCAI
	MPL4.0	4	1/2"	1.8	CS	NO	101°		YES	FIXED
	MPL6.0	6	1/2"	1.4	CS	NO	56°		NO	FIXED
	MPL8.0	8	1/2"	1.8	CS	NO	51°		YES	FIXED
	MPL4-10	4.5-10	1/2"	1.6	CS	NO	80.5°	37°	YES	VARIFOCAI
	MPL8-16	8-16	1/2"	1.6	CS	NO	50°	26°	YES	VARIFOCAI

*Note: FOV based upon 1/2" format



Recommended Lenses at A Glance

		<i>Focal Length (mm)</i>	<i>Format</i>	<i>F-Stop</i>	<i>Mount</i>	<i>DC Auto Iris</i>	<i>Wide</i>	<i>Tele</i>	<i>IR Corrected</i>	<i>Fixed Varifocal</i>
COMPUTAR	H0514-MP	5mm	1/2"	1.4	C	NO	65.5°		NO	FIXED
	M0814-MP	8mm	2/3"	1.4	C	NO	42.5°		NO	FIXED
	M1214-MP	12mm	2/3"	1.4	C	NO	30°		NO	FIXED
	M1614-MP	16mm	2/3"	1.4	C	NO	22.7°		NO	FIXED
	M2514-MP	25mm	2/3"	1.4	C	NO	14.6°		NO	FIXED
	M3514-MP	35mm	2/3"	1.4	C	NO	13.9°		NO	FIXED
	M5018-MP	50mm	2/3"	1.8	C	NO	7.6°		NO	FIXED
	M7528-MP	75mm	2/3"	2.8	C	NO	5°		NO	FIXED
	H2Z0414FC-MP	4-8mm	1/2"	1.4	C	NO	90.4°	47	NO	VARIFOCA
	HG2Z0414FC-MP	4-8mm	1/2"	1.4	C	YES	90.4°	47	NO	VARIFOCA
	M3Z1228C-MP	12-36mm	2/3"	2.8	C	NO	30.2°	10	NO	VARIFOCA
	H3Z4518CS-MPIR	4.5-13.2mm	1/2"	1.8	CS	NO	80°	28.6	YES	VARIFOCA
FUJINON	DV3.4X3.8SA-1	3.8-13mm	1/2"	1.4	C	NO	97°	28	NO	VARIFOCA
	DV3.4X3.8SA-SA1	3.8-13mm	1/2"	1.4	C	YES	97°	28	NO	VARIFOCA
	HF9HA-1B	9mm	2/3"	1.4	C	NO	39°		NO	FIXED
	HF12.5HA-1B	12.5mm	2/3"	1.4	C	NO	28°		NO	FIXED
	HF16HA-1B	16mm	2/3"	1.4	C	NO	22°		NO	FIXED
	HF25HA-1B	25mm	2/3"	1.4	C	NO	14°		NO	FIXED
	HF35HA-1B	35mm	2/3"	1.4	C	NO	10°		NO	FIXED
	HF50HA-1B	50mm	2/3"	1.4	C	NO	7°		NO	FIXED
	HF75HA-1B	75mm	2/3"	1.4	C	NO	5°		NO	FIXED
SPACECOM	JHF8M-5MP	8mm	2/3"	2.8	C	NO	57.9°		NO	FIXED
	JHF12M-5MP	12mm	2/3"	1.8	C	NO	40.3°		NO	FIXED
	JHF16M-5MP	16mm	2/3"	1.4	C	NO	30.7°		NO	FIXED
	JHF25M-5MP	25mm	2/3"	1.4	C	NO	20°		NO	FIXED
	JHF35M-5MP	35mm	2/3"	1.4	C	NO	14.3°		NO	FIXED
	HD880DCIR	8-80mm	1/2"	1.6	C	NO	46.6°	34.3	YES	VARIFOCA
TAMRON	M12VG412	4-12mm	1/2"	1.4	C	YES	100.5°	33.4	NO	VARIFOCA
	M12VM412	4-12mm	1/2"	1.4	C	NO	100.5°	33.4	NO	VARIFOCA
	12VM1040ASI	10-40mm	1/2"	1.4	C	NO	37.5°	9.2	NO	VARIFOCA
	12VG1040ASI	10-40mm	1/2"	1.4	C	YES	37.5°	9.2	NO	VARIFOCA
	23FM16SP	16mm	2/3"	1.4	C	NO	22.7°		NO	FIXED
	23FM25SP	25mm	2/3"	1.4	C	NO	14.6°		NO	FIXED
	23FM50SP	50mm	2/3"	2.8	C	NO	7.3°		NO	FIXED
THEIA	SY110M	1.7mm	1/3"	1.8	CS	NO	120°		NO	FIXED
	SY110A	1.7mm	1/3"	1.8	CS	YES	120°		NO	FIXED
	SY125M	1.3mm	1/3"	1.8	CS	NO	135°		NO	FIXED
	SY125A	1.3mm	1/3"	1.8	CS	YES	135°		NO	FIXED
	MY125M	1.3mm	1/3"	1.8	C	NO	135°		NO	FIXED



Product Line Summary

Arecont Vision's AV100 software provides easy setup, command and control of all the features and functionality of the company's extensive megapixel IP product portfolio. And its user friendly GUI provides camera control and configuration, plus multi-view live display and archiving. Arecont Vision, delivers the complete picture.

Arecont Vision Advantages

User Friendly GUI

- Multiple view display
- Drag and drop camera tree
- Camera setup windows for image quality, camera settings, Day/Night configurations, archiving, ect.

Flexible video surveillance

- Supports full motion real-time HDTV multi-camera viewing

Multi-user

- Browser-based access to live and archived footage

Post-Event Zooming

- Simultaneous viewing of full field of view and multiple zoomed images from the same camera using the multi-streaming feature of AV cameras

Extra Capabilities

- Instantaneous multi-user electronic pan-tilt-zoom

Other Key Features

- Recording over 240fps @ 1920x1200
- View up to 16 HDTV cameras at up to 30fps and more

Model

AV100

AV100



At A Glance

- Complete control of networked cameras from any remote location
- Ideal for multiple vertical markets
 - » Banking and Financial
 - » Commercial
 - » Education
 - » Entertainment
 - » Gaming
 - » Government
 - » Healthcare
 - » Hospitality
 - » Industrial
 - » Retail
 - » Transportation
- Full control of image quality and bitrate

Video Archiving

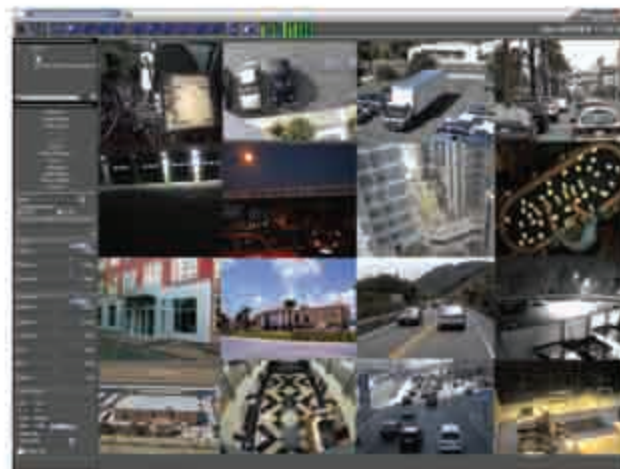
- Policy-Based Recording
 - » Specify archival frequency for each camera or limit recording to images containing motion
- H.264 and MJPEG support
 - » Bit rate control for H.264 streams
- Recording Frame Rate per Camera
 - » Up to 32fps @ 1280x1024 resolution
 - » Up to 24fps @ 1600x1200 resolution
 - » Up to 15fps @ 2048x1536 resolution
 - » Up to 9fps @ 2592x1944 resolution
 - » Up to 5fps @ 3648x2752 resolution
- Motion Detection
 - » Specify multiple detection windows, motion sensitivity and minimum moving object size for each camera
- AVI Video Maker
 - » Create AVI video clips from archived footage
- Multi-Disk Recording
 - » Specify disk and directory for archiving a camera
- Playback
 - » Interactive zoom during playback, playback in full or reduced resolution; synchronized playback of multiple cameras at the same time, playback all frames or only frames that contain motion, forward, fast forward and backward playback, find recorded events by date, time or motion, single frame stepping, export individual jpeg images
- Image Quality Management, Camera Configuration and System Control

Remote Access

- Browser-based access
 - » Access video remotely via IE browser
- Remote Viewing
 - » View live video from one or multiple cameras in full or reduced resolution
- Remote Zoom
 - » Multiple authorized users can request zoomed video and independently perform PTZ for each camera
- Multi-System Access
 - » Access multiple video clusters from the same web page

Miscellaneous

- Security
 - » Three levels of password-protected access: full control, viewing of live and archived footage or live monitoring only
- Remote Viewing
 - » Password protected remote access with access via user-selected port
- Installation
 - » Automatic installation of all connected cameras. AV cameras are automatically identified and configured to use UP addresses available in local network
- Language Support
 - » Multi-language support
- Compatibility
 - » All Arecont Vision cameras
- Software Development Kit
 - » Free SDK for Linux and Windows platforms allowing easy integration of high resolution video into third party systems
- Additional features for panoramic cameras only:
 - » Equalize brightness
 - » Equalize color
 - » Enable alignment





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revised 5.10