

C C T V C A T A L O G

# 2010



**speco technologies®**

*simply unique.*

VIDEO SECURITY FOR



COMMERCIAL



RESIDENTIAL



SCHOOLS



HOSPITALS



FINANCIAL



This catalog represents Speco Technologies' products, services and employees, as well as our mission to be the best supplier in the industry.

For 50 years we have dedicated ourselves to providing the highest quality video products for residential and commercial use, as well as the latest innovations in residential & commercial audio. Our continued efforts are what have made us an innovator in the DVR and CCTV camera market, as well as the commercial/residential audio business.

#### Committed to Customers

Our knowledgeable customer support people are in place to assist in placing orders, or to help answer any questions regarding our products. Customer support is available from 8:30 AM to 7:00 PM EST

#### Outstanding Product Warranties

Our quality CCTV cameras are backed by a 5 year warranty and most DVRs offer a 3 year warranty.

#### Top-Notch Technical Support

Our technical support team is available to assist in designing a system, help with installations and other professional advice. Technical support is available from 8:30 AM to 7:00 PM EST

#### Marketing Support

We offer custom marketing materials with our customers' company logo and contact information added. Marketing materials include posters, postcards, mailers, brochures, email blasts, etc.

#### Outside Sales Support

Our professional and friendly regional sales managers are our first line of support. In addition to selling the features and benefits of our unique product line, they also provide on-site demonstrations and formal classroom training sessions for CCTV and Audio.

# New Products

## FUTURE PROOF SOLUTION Enterprise Level IP Cameras

Compatible with the industry's leading 3rd party software providers. The SIP Series includes standard resolution and 1.3 megapixel cameras and ships with its own full featured NVR software suite.

These IP cameras are ideal for large business applications.

**See pgs. 20 & 21 for more details**



## Mobile DVR with SD Cards and GPS Modules



Our new mobile four channel, H.264, pentaplex DVR is designed for installation in buses, emergency vehicles, police cars, trains and more.

**DVRM42, DVRM42GPS & DVR46GPS**

**See pg. 12 for more details**

## Covert Wall Mounted H.264 Pentaplex DVRs

Speco Technologies has redefined covert video. For years, covert video meant hiding cameras. We have developed a new concept - hide the video recorder instead.

**DVR4WM, DVR8WM  
& DVR16WM**

**See pg. 4 for more details**



#### VLD7SCSFF

Weatherproof  
Dome Camera

#### VLB11SCSFF

Weatherproof  
Bullet Camera  
with IR LEDs



**CVC6146SCSFF** Black Housing  
**CVC6146SCSFFW** White Housing  
Indoor Dome Camera

## FOCUS FREE Speco Control Series Cameras

These revolutionary cameras keep every object within the camera's field of view sharp and in focus - no matter how far away or close it is!

**See pg. 43 for more details**

**VLD8SCSFF**  
Weatherproof  
Dome Camera

**FOCUS  
FREE  
EQUALS  
WORRY  
FREE**

#### Speco Technologies Thinks Green



The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment". This directive refers to electrical products containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants. As such, Speco Technologies is aware of the RoHS directives and is actively implementing a program to bring our products and processes into compliance.

Speco Technologies is constantly developing product improvements. We reserve the right to modify product design and specifications without notice and without incurring any obligation. We are not responsible for typographical errors. Rev. 2/17/10. © 2010 Speco Technologies. All rights reserved.

**speco technologies**

1.800-645-5516

www.specotech.com

## Miniature Indoor Color Board Camera



This miniature indoor color camera features full OSD control of all major camera functions:

**CVC700VFSCS**

*See pg. 42 for more details*

## 17" or 19" LCD Monitor with VGA Input



**VMVGA17, VMVGA19**

*See pg. 66 for more details*

## 22" Public View Monitor with Color Camera



**PVM22LCD**

*See pg. 64 for more details*

## Dome Flush Mount Kits



Dome Flush Mount Kit allows select Speco Technologies dome cameras to be flush mounted into walls & ceilings.

**DFM2, DFM3**

*See pg. 43 for more details*

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## Covert Wall Mounted H.264 Pentaplex 4, 8 or 16 Channel Digital Video Recorders

**NEW**

### DVR4WM

4 Channel DVR with Audio

### DVR8WM

8 Channel DVR with Audio

### DVR16WM

16 Channel DVR with Audio



Standard DVR comes with a 250GB HDD  
Other configurations available up to 4TB

**PC/Mac® compatible**

Download Mac® compatible software at:  
[www.specotech.com](http://www.specotech.com)

### WM Series Features

- Easily mounts in equipment closets
- No accessible user controls
- Pentaplex operation: allows simultaneous live view or playback while continuing to record, network transfer and backup
- H.264 compression: high quality compression saves HDD space
- Remote monitoring, recording, playback, change system settings and PTZ 485 camera control via network connection
- Analog BNC output for initial settings
- Free DDNS service for use with dynamic IP addresses
- EZ Record, Copy & Setup
- Easy software upgrade via USB Flash drive
- Remote control included
- Web-based remote viewing software (CMS) included
- Mac® & PC compatible software available for download @ [www.specotech.com](http://www.specotech.com)
- 3 year warranty
- 4, 8 and 16 channel models
- Recording rate: up to 240 FPS
- HDD size: 250GB standard, up to 2 SATA HDDs internal available
- Multiple built-in PTZ 485 data protocol (through RS485): including Pelco D, Pelco P, AD422, Fastrax, DynaColor, JVC
- Automatic camera detection (Plug & Play)
- Digital Zoom 2 x 2 in live mode
- Covert camera operation provides enhanced security and administrator control
- Dynamically programmable recording priority, motion detection, alarms, scheduling and continuous
- 1 Audio channel per each camera input
- USB 2.0 port for video clip exporting, supports USB Flash drive
- BNC output for initial setup
- Multiple language on-screen menus
- Password to secure installation with 8 configurable user authentication levels
- DVR supports static IP, DHCP, PPPoE and DDNS
- NIC 10/100 mbs
- Power Consumption: Start up @ 80 Watts, Running @ 50 Watts
- Heat Dissipation: 2.85 BTU/Minute
- Operating temperature: 32° F to 104° F
- Dimensions: 11" W x 15" H x 4" D (4 channel unit)
- Dimensions: 14" W x 16" H x 4" D (8/16 channel units)
- Weight: 6.6 lbs. (4 channel unit), 8.5 lbs. (8/16 channel units)
- 3 year warranty

Optional Accessories Include: DVRWMVGA, DVR4TLALMCBL, DVR8/16TLALMCBL, DVR8/16TLAUDCBL

Patents Pending.

# WM Series Specifications: 4, 8 or 16 Channel H.264 Pentaplex Wall Mount DVR

Model Name			DVR4WM	DVR8WM	DVR16WM	
Video	Operating System		Embedded Linux	Embedded Linux	Embedded Linux	
	Input		BNC x 4, 1.0Vp-p, 75 Ohm	BNC x 8, 1.0Vp-p, 75 Ohm	BNC x 16, 1.0Vp-p, 75 Ohm	
	Outputs	Main	BNC x 1, 1.0Vp-p, 75 Ohm			
		Call	BNC x 1, 1.0Vp-p, 75 Ohm			
	Picture Refresh Rate		NTSC: 120 pps / PAL: 100 pps	NTSC: 240 pps / PAL: 200 pps	NTSC: 240 pps / PAL: 200 pps	
Audio	Input		4 x RCA	8 x D-Sub	16 x D-Sub	
	Outputs	Main	RCA			
		Call	RCA			
	Data Rate		8Kb/s Per Channel			
Record- ing	Compression Method		H.264			
	Recording Mode		Schedule, Continuous, Alarm, Motion			
	Recording Resolution & Rate		NTSC: 30 pps @ 720 x 480 60 pps @ 720 x 240 120 pps @ 352 x 240  PAL: 25 pps @ 720 x 576 50 pps @ 720 x 288 100 pps @ 360 x 288	NTSC: 60 pps @ 720 x 480 120 pps @ 720 x 240 240 pps @ 352 x 240  PAL: 50 pps @ 720 x 576 100 pps @ 720 x 288 200 pps @ 360 x 288	NTSC: 60 pps @ 720 x 480 120 pps @ 720 x 240 240 pps @ 352 x 240  PAL: 50 pps @ 720 x 576 100 pps @ 720 x 288 200 pps @ 360 x 288	
		Recording Mode		5 Level Presets		
		Image Size		1KB to 22KB / Picture Per Camera		
	Storage Mode		Linear / Circular			
	Data Lifetime		Programmable			
	Storage	Onboard		2 x SATA		
		Export		2 x USB 2.0, Support for Flash Drive & External CD / DVD-RW		
Alarm	Alarm Input		D-Sub Connectors, 1 Per Channel			
	Alarm Relay Output		D-Sub			
	Alarm Detection		Trigger Input - N.C. / N.O., Programmable			
	Motion Detection		16 x 12 Grid Array, Sensitivity, Alarm Threshold Adjustable			
	Video Loss Detection		Audio Relay Output - Programmable			
Comm- unication	Network Connectivity		Ethernet RJ-45, 10/100Mbps, Support Static, DHCP, PPPoE, DDNS			
	Remote Control Software		Mac®, Java™, SpecoRemote (Supports IE6 or Greater), CMS (v.2.2 or Greater)			
	Remote Operation		Monitor, Playback, Record, System Setup, Archive, Remote Burn			
	RS-485		D-Sub			
	IR Remote		Included			
	Dome Control Protocol		Pelco P/D, AD422, Fastrax 2, Dynacolor, JVC			
General	Unit Dimensions		11" W x 15" H x 4" D	14" W x 16" H x 4" D	14" W x 16" H x 4" D	
	Unit Weight		6.6 lbs.	8.5 lbs.	8.5 lbs.	
	Package Dimensions		22.25" W x 20.5" H x 7.375" D			
	Package Weight		10 lbs.	12 lbs.	12 lbs.	
	Operation Temperature		32-104° F			
	Relative Humidity		10-90% Non-Condensing			
	Power Supply		Input: AC 100~240V AC, 50-60Hz, 60W / Output: 12V DC @ 5 Amps Power Pack			

## Pentaplex DVR with Network/DDNS Video Server

PC/Mac® compatible

Download Mac® compatible software at:  
[www.specotech.com](http://www.specotech.com)



### DVR4TL250\*

4 Channel DVR with audio

### DVR8TL250\*

8 Channel DVR with audio

### DVR16TL250\*

16 Channel DVR with audio



Rear View

Remote  
Control  
& Rack Ears  
Included



## TL Series Features

- Pentaplex operation: allows simultaneous live view or playback while continuing to record, network transfer and backup
- H.264 compression: high quality compression saves HDD space
- Remote monitoring, recording, playback, change system settings and PTZ 485 camera control via network connection
- Analog BNC output for initial settings
- Free DDNS services for use with dynamic IP addresses
- EZ Record, Copy & Setup
- Easy software upgrade via USB Flash drive
- Remote control & rack ears included
- Web-based remote viewing software (CMS) included
- Mac® & PC compatible software available for download @ [www.specotech.com](http://www.specotech.com)
- 3 year warranty
- 4, 8 and 16 channel models
- Recording rate: up to 240 FPS
- HDD size: 250GB standard, up to 2 SATA HDDs internal available
- Multiple built-in PTZ 485 data protocol (through RS485): including Pelco D, Pelco P, AD422, Fastrax, DynaColor, JVC
- Automatic camera detection (Plug & Play)
- Digital Zoom 2 x 2 in live mode and playback
- Covert camera operation provides enhanced security and administrator control
- Dynamically programmable recording priority, motion detection, alarms, scheduling and continuous
- 1 Audio channel per each camera input
- USB 2.0 port for video clip exporting, supports USB Flash drive
- BNC output for initial setup
- Multiple language on-screen menus
- Password to secure installation with 8 configurable user authentication levels
- DVR supports static IP, DHCP, PPPoE and DDNS
- NIC 10/100 mbs
- Power Consumption: Start up @ 80 Watts, Running @ 50 Watts
- Heat Dissipation: 2.85 BTU/Minute
- Operating temperature: 32° F to 104° F
- Dimensions: 17.32" W x 2.17" H x 14.2" D
- Weight: 6.6 lbs.
- 3 year warranty

Check out our CAT5  
Video Accessories  
on pages 69-76

Optional Accessories Include: DVRTLPGA, DVR4TLALMCBL, DVR8/16TLALMCBL, DVR8/16TLAUDCBL

\*Standard DVR comes with a 250GB HDD. Other configurations available up to 4TB.

NOTE: If the optional DVD/RW is added to any of these DVRs, 1 of the HDD slots will be removed and the new total HDD size will be 2TB.

# TL Series Specifications: 4, 8, or 16 Channel H.264 Pentaplex DVR with 250GB HDD

Model Name			DVR4TL250	DVR8TL250	DVR16TL250
Video	Operating System		Embedded Linux		
	Input		BNC x 4, 1.0Vp-p, 75 Ohm	BNC x 8, 1.0Vp-p, 75 Ohm	BNC x 16, 1.0Vp-p, 75 Ohm
	Outputs	Main	BNC x 1, 1.0Vp-p, 75 Ohm		
		Call	BNC x 1, 1.0Vp-p, 75 Ohm		
	VGA Output		800 x 600, 1024 x 768, 1280 x 1024		
	Picture Refresh Rate		NTSC: 120pps / PAL: 100pps	NTSC: 240pps / PAL: 200pps	NTSC: 240pps / PAL: 200pps
Audio	Input		4 x RCA, 1 Per Channel	8 x D-Sub, 1 Per Channel	16 x D-Sub, 1 Per Channel
	Outputs	Main	RCA		
		Call	RCA		
	Data Rate		8Kb/sec. Per channel		
Recording	Compression Method		H.264		
	Recording Mode		Schedule, Continuous, Alarm, Motion		
	Recording Resolution & Rate		NTSC: 30pps @ 720 x 480 60pps @ 720 x 240 120pps @ 352 x 240  PAL: 25pps @ 720 x 576 50pps @ 720 x 288 100pps @ 360 x 288	NTSC: 60pps @ 720 x 480 120pps @ 720 x 240 240pps @ 352 x 240  PAL: 50pps @ 720 x 576 100pps @ 720 x 288 200pps @ 360 x 288	NTSC: 60pps @ 720 x 480 120pps @ 720 x 240 240pps @ 352 x 240  PAL: 50pps @ 720 x 576 100pps @ 720 x 288 200pps @ 360 x 288
	Recording Mode		5 Level Presets		
	Image Size		1KB to 22KB / Picture Per Camera		
	Storage Mode		Linear / Circular		
	Data Lifetime		Programmable		
Storage	On-board		2 x SATA		
	Export		2 x USB 2.0, Support for Flash Drive & External CD/DVD-RW, Optional Built-in DVR-RW		
Alarm	Alarm Input		D-Sub Connectors, 1 Per Channel		
	Alarm Relay Output		D-Sub		
	Alarm Detection		N.C./N.O., Programmable		
	Motion Detection		16 x 12 Grid Array, Sensitivity, Trigger Threshold Adjustable		
	Video Loss Detection		Auto / Relay Output Programmable		
Communi- cation	Network Connectivity		Ethernet RJ-45, 10/100Mbps, Support Static, DHCP, PPPoE		
	Remote Control Software		Mac®, Java™, SpecoRemote (Supports IE6 or Greater), CMS (v.2.2 or Greater)		
	Remote Operation		Monitor, Playback, Record, System Setup, Archive, Remote Burn		
	RS-485		D-Sub		
	IR Remote		Included		
	Dome Control Protocol		Pelco P/D, AD422, Fastrax 2, Dynacolor, JVC		
General	Unit Dimensions		17.32" W x 2.17" H x 14.2" D		
	Unit Weight		6.6 lbs.		
	Package Dimensions		21.5" W x 6.4" H x 17.56" D		
	Package Weight		10 lbs.		
	Operation Temperature		32°~104° F		
	Relative Humidity		10-90% Non-Condensing		
	Power Supply		AC 100~240 V AC, 50-60Hz, 60W		

## H.264 HYBRID Pentaplex DVR with Network/DDNS Video Server

PC/Mac® compatible

Download Mac® compatible software at:  
[www.specotech.com](http://www.specotech.com)



### DVR4TH250\*

4 Channel DVR with audio

### DVR8TH250\*

8 Channel DVR with audio

### DVR16TH250\*

16 Channel DVR with audio

**DVR16THU** with 480 FPS  
recording at D1 Resolution.

Learn one unit  
- know them all!

Rear View



Remote &  
Rack Ears  
Included



### TH Series Features

**EZ Record:** set the number of days you want to record and the DVR takes care of the rest

**EZ Copy:** auto copy what you are playing onto a DVD/RW or USB flash drive

**EZ Set-Up:** for quick installation

- Free Speco DDNS service for use with dynamic IP addresses
- MAC® & PC compatible software included
- Hybrid Operation: Up to 4 channels with popular protocols supported including Session Internet Protocol (SIP), ACTi, Axis, Sony, Vivotek, Hunt, Sanyo & others
- Selectable H.264, MPEG4, or MJPEG compression
- POS/ATM support with text overlay and searchable database
- Pentaplex operation enabling simultaneous live view or playback while continuing to record, network transfer
- Remote monitoring, recording, playback, change system settings and dome camera control via network and/or internet
- Jog shuttle for easy operation
- Real Time live display
- IR Remote control included - individually control up to 16 DVRs
- Recording rate up to 480 fps
- 4/8/16 channels of audio input
- 3/7/15 channels of 2-way audio local only
- Supports 3 SATA HDDs
- Digital output via HDMI cable
- DVD/RW Standard for video clip exporting
- USB 2.0 port for video clip exporting, supports USB Flash drive
- Easy software upgrade via Network, USB Flash drive, or CD/DVD
- Auto reboot feature: on/off
- Up to 30 second pre-alarm recording
- Configurable per channel normal and event recording frame rate & picture quality or globally via EZ record
- Free Central Management System (CMS) software allows viewing of 256 simultaneous channels on a PC
- Email notification of alarm events
- Per channel built-in PTZ camera protocol (through RS485): including Pelco D, Pelco P, AD422, Fastrax, JVC
- Automatic camera detection (Plug & Play)
- Digital Zoom 2 x 2 in live mode and playback
- Covert camera operation provides enhanced security and administrator control
- Programmable call-monitor switching sequence
- USB mouse and keyboard supported
- Rack ears included
- Multiple language on-screen menus
- Password to secure with 8 configurable user authentication levels
- DVR supports static IP, DHCP, PPPoE & DDNS
- NICE10/100/1000 mbs
- Dimensions: 4 7/8" H X 17 1/4" W X 16 3/4" D
- Weight: 18.45 lbs. with 1 HDD (HDD weighs 1 lb.)
- Power Consumption: Start up @ 90W, Running @ 60W
- HDD size: 250GB, 1TB, 2TB and 3TB configurations\*\*
- Operating temperature: 14° F to 120° F
- UL Listed

**Includes Digital Deterrent™  
On all channels**

Audio For Security or Retail Applications

**\*Standard DVR comes with a 250GB HDD - other configurations available up to 6TB internal\*\***

\*\*8TB maximum if DVD-RW is removed

# TH Series Specifications: 4, 8 or 16 Channel H.264 Pentaplex DVR with 250GB HDD

MODEL NAME				DVR4TH250	DVR8TH250	DVR16TH250
Video	Operation System			Embedded (Linux)		
	Video Standard			NTSC / PAL switch selectable		
	Video Operation			Pentaplex + (Live, Record, Playback, Remote, and Internet access)		
	Resolution – Live Video			NTSC: 720 x 480 pixels PAL: 720 x 576 pixels		
	Input			4 x BNC, BNC x 1 1.0Vp-p / 75 Ohm	8 x BNC, BNC x 1 1.0Vp-p / 75 Ohm	16 x BNC, BNC x 1 1.0Vp-p / 75 Ohm
	Outputs	Main Monitor		Digital VGA, BNC, S-Video, 1.0Vp-p / 75 Ohm		
		Call Monitor		BNC x 1 1.0Vp-p / 75 Ohm		
		Looping		BNC x 4, BNC x 1 1.0Vp-p / 75 Ohm	BNC x 8, BNC x 1 1.0Vp-p / 75 Ohm	BNC x 16, BNC x 1 1.0Vp-p / 75 Ohm
	VGA Output			800 x 600, 1024 x 768, 1280 x 1024 pixels @ 60Hz, 75Hz		
	Digital Output			Via HDMI cable		
	Picture Refresh Rate (Live View)			NTSC: 480 PPS (16 CH) / PAL: 400 PPS (16 CH)		
	Digital Zoom (Live & Playback)			2 x 2		
Audio	Camera Installation			Plug & Play		
	Input			4, Line-In	8, Line-In	16, Line-In
	Main Output			RCA, Line-Out		
	Output			4, Line-Out	8, Line-Out	16, Line-Out
	2-Way Audio			3/7/15 Channels Supported		
	Recording Mode			Always Real Time Record, Synchronized w/ Video		
	Compression Method			ADPCM, G.726		
	File Size			8KB / Sec.		
	Operation			Local and Remote		
Recording	Playback			Only for Video Original Speed		
	Compression Method			H.264 / MPEG4 / MJPEG		
	Recording Mode			Schedule, Alarm, Motion Detection		
	Pre-Alarm			0~30 Sec.		
	Resolution & Rate	NTSC	720 x 480:	120 fps in MPEG-4 & MJPEG, 60 fps in H.264		
			720 x 240:	240 fps in MPEG-4 & MJPEG, 120 fps in H.264		
			352 x 240:	480 fps in MPEG-4 & MJPEG, 240 fps in H.264		
	Recording Quality			8 levels presets, Programmable		
Playback	Image Size			2K to 24K Byte / picture		
	Storage Mode			Linear / Circular		
	Playback			Play, Stop, Pause, Rewind, Forward, Search		
	Playback Speed Adjustment			1X, 2X...32X		
	Retrieve			Date / Time, Event Playback		
Storage	Data Life Time			Yes (Programmable)		
	Built-in Storage			X4 SATA, HDD / DVD+RW/3HDD		
	Built-in HDD			Up to 3 built-in HDDs (3TB max.)		
	External Storage			USB HDD		
	Export			4 x USB 2.0 ports, supports Flash Drive, DVD+RW		
Alarm	Alarm Input			X4, Terminal Block	X8, Terminal Block	X16, Terminal Block
	Alarm Detection			N.C. / N.O., Programmable		
	Auditory Alert			Built-in Buzzer		
	Motion Detection			15 X 11 Grid Array, Sensitivity, Trig Level Adjustable		
	Video Loss Detection			Programmable		
	Alarm Relay Output			X2, Terminal Block, 1.0A / 24V (Programmable)		
Communication	Network Connectivity			Ethernet RJ-45 connector, 10/100/1000Mbps, supports DHCP/PPPoE/DDNS		
	Remote Control Software			Mac®, JAVA, SpecoRemote™ / CMS		
	Access Remote			8 Levels		
	Remote Operation			Monitoring, Playback, Recording, System Setup, Dome Camera Control, Remote Burn		
	RS232C			D-sub 9 pin female		
	RS485			Terminal Block		
	Dome Control Protocol			Pelco D, Pelco P, AD422, Fastrax, JVC		
	IP Cameras			Up To 4 Channels		
	IP Camera Protocols			Speco Internet Protocol (SIP), Xvision, ONVIF, AMTK, Luxon, Sanyo, Hunt, Acti, Sony, Axis 200, Vivotek 7000		

**POINT OF  
SALE  
(POS)**

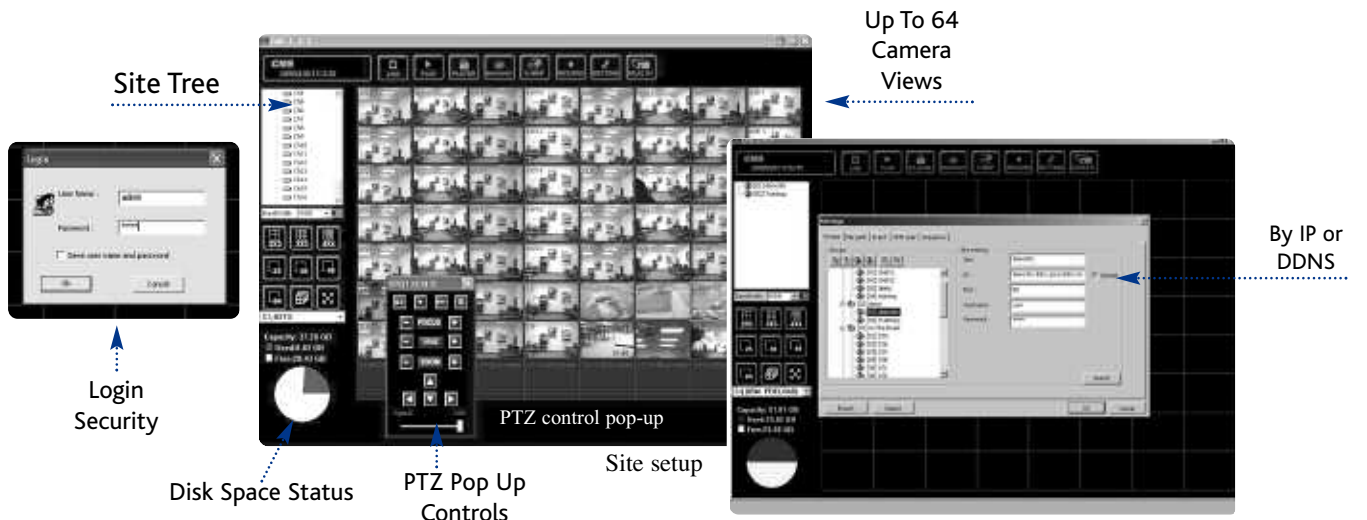
**FREE  
DDNS**

9

**FREE  
CMS**

**3 YEAR  
WARRANTY**

# CMS Central Management Software Included Free with T & WM series DVRs

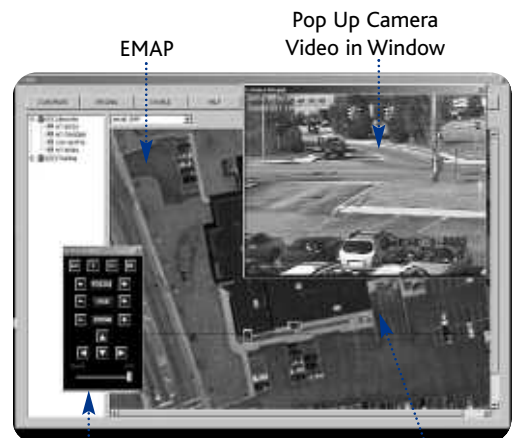


## Central Management Software

is an application program for remote access to multiple Speco Technologies' T series, and WM series of Network ready DVRs. It can be installed on a PC that is connected to a LAN or Internet connection to remotely access, view and configure up to 256 DVRs simultaneously.



Full User Management  
By Site, Group, or Camera



## Features Include:

- 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8 screen viewing abilities
- Up to 64 views per screen
- 4 Separate CMS servers can be opened at the same time for a total of 256 views per computer
- Password Protection
- Full PTZ control
- EMAP functionality showing location and events
- Digital Zoom - Live and Playback
- 17 separate user rights for each with three different levels of security
- Automatically reconnects to dropped sites
- CMS display of disconnected sites including time of disconnection & re-connection
- Live and Playback by Group, Site and Camera
- Live and Playback Snapshots (BMP, JPG, GIF, and TIF)
- Archive from DVR
- Alerts sent from DVR will populate the Main CMS screen. Alerts include DVR status, motion and alarm events.
- Configurable CMS Auto Start from windows, Auto Login and Auto Retrieve Live Images
- Customizable personal camera views from separate camera groups
- Full user and event logs from CMS
- Local CMS Recording from DVR's
- Event Search from DVR's
- Local and Remote Playback
- Ability to Program Digital Deterrent Recordings to Remote DVR's
- Audio Per Channel and Per Site
- Bandwidth Throttle by Site and Group
- DVR Local Menu Control
- Playback feature allows Local Playback, Archive Playback
- Ability to Locally Export Data to Remote DVR's DVD drive (Local Export)
- AVI Conversion of Recorded or Archived Material
- Health status continually updating status of DVR's hard drive (temperature, activity and size)
- CMS can be locked down in monitoring situations
- Full feature player software

**Please visit our website to discover the full power of our CMS Software**  
[www.specotech.com](http://www.specotech.com)

# The missing link between VCRs and DVRs!

Finally, a recorder that is so unique and simple to use that we had to create a new Product Category!

## So simple, So unique!

This unit features a simple 2-page menu structure (in English, Spanish and French). Use of these menus is optional, other than setting the time and date. We have programmed in the most common and useful functions as factory defaults:



**EZVR4** 4 channel  
**EZVR8** 8 channel



### EZVR Series Features

**EZ Record:** Using front panel pushbuttons, select 24, 72, 240, 480 or 960 hours recording time. The EZVR does the rest. No need to set frames per second, quality level, or compression.

**Auto Record:** Simply plug in the EZVR and recording will automatically begin; using factory pre-sets. It's as close to fool-proof as you can get.

**EZ Playback/Search:** With just a touch of a pushbutton on the front panel.

**EZ Backup:** Via a USB Flash Drive/pushbutton on the front panel. Player and .avi conversion software will automatically be downloaded. Thus eliminating the need for law enforcement agencies to load special PC software for viewing.

- 4 or 8 BNC camera inputs / 1 BNC video output
- 4 or 8 Alarm inputs / 1 Alarm output
- 1 Audio input / 1 Audio output
- Triplex operation / record, view live / playback, backup simultaneously
- Frame-by-frame search in both forward and reverse
- Full multiplexer operation
- Full feature remote control included
- M-JPEG compression
- Single, quad or 8 channel display (depending on model)
- 120 fps display rate / 60 fps record rate
- Full stop / overwrite HDD record mode
- Front panel key lock
- 12V DC power supply included
- Weight: 18 lbs.
- Dimensions: 16.75" W x 13" D x 2.5" H
- Operating temperature: 41° F - 104° F
- Operating Humidity: Less Than 90%
- 3 Year Warranty

**Comes with a built-in 160GB HDD for up to 960 hours of recording.**

## Mobile DVR with SD Card and Optional GPS Module



**DVRM42** 4 Channel Mobile DVR supports up to 2 SD Cards

**DVRM42GPS** DVRM42 supports up to 2 SD cards,  
GPS Module Factory Installed

**DVRM46GPS** DVRM46 supports up to 6 SD cards,  
GPS Module Factory Installed

**NEW**



Rear of Unit

### Each unit comes with the following:

- One 2GB SD card • Remote control • 12V DC power plug & filter
- CMS and other required software • Verizon Wireless USB Aircard ready
- 10 pin sensor cable • A/V cable • Screws and mounting hardware
- Manual and software on CD-ROM • Quick start guide

### In addition, units with 'GPS' in the part number include:

- Built-in GPS • Antenna • Impact sensor



*Perfect for installation in  
buses, emergency vehicles,  
police cars, trains and more!*

## Mobile Series Features

- H.264 Compression
- Max. 120 FPS (HD1) / 60 FPS (D1) recording in NTSC
- Pentaplex Operation
- 1 Channel Synchronized audio
- SD Card memory - No HDD to worry about

- 4 level image quality setting
- Schedule recording and various recording setup per channel
- 4 CH sensor inputs pre-alarm and post-alarm recording
- Panic alarm locks in for emergency recording in full frame rate of every channel with audio
- Digital Watermark support
- Smooth reverse playback
- Ease of operation: remote control, front key and Network Viewer
- Supported copy media: USB flash drive, SD Flash, External USB HDD
- Firmware upgrade via USB or Network
- RS-485 port for PTZ camera support
- Driving Information (warning lights, brakes, turn signals) overlay on live and playback video
- GPS (optional on 2 SD card model, standard on 6 SD card model) data can overlay location & speed and record with video for Mobile DVR
- Impact Sensor (optional) detects excessive gravitational forces on X, Y, Z axis
- Daylight savings time
- AVI File Converting
- Multi-language support
- Network Client Viewer: 16 units x 16 Clients connection simultaneously
- Works with Verizon Wireless™ USB Air Cards for remote access
- NIC 10/100 mbs

Optional Accessories: AC Power Adaptor Model: DVRWMPS Use with DVRM4 Series Indoors

## Mobile Series Specifications: 4 Channel DVRs

VIDEO				
Video Input			4CH (BNC)	
Main Monitor Output			1.0 Vp-p Composite, 75Ω Balanced	
Camera Name			Max. 8 Characters	
Screen Split Control			1, 4 Screen	
Screen Sequential Switch Control			1~60 Seconds	
Display	Resolution	NTSC	720(H) × 480(V)	
		PAL	720(H) × 576(V)	
	Speed	NTSC	120 frames (Every Channel Real Time)	
		PAL	100 frames (Every Channel Real Time)	
Function		Auto sequence, 1,4 split, PIP		
AUDIO				
Compression			ADPCM	
Audio Input (Line)			1CH (RCA)	
Input Level			0.5~1.4Vp-p@20k Ω	
Audio Output (Line)			3.5mm Stereo Mini Jack	
RECORDING				
Compression			H.264	
Resolution			720(H) × 480(V), 720(H) × 240(V), 360(H) × 240(V) 720(H) × 576(V), 720(H) × 288(V), 360(H) × 288(V)	
Speed	NTSC	340 x240	Max.120 Images (CIF)	
		720 x240	Max.120 Images (Half D1)	
		720 x480	Max. 60 Images (D1)	
	PAL	340 x288	Max. 100 Images (CIF)	
		720 x288	Max. 100 Images (Half D1)	
		720 x576	Max. 50 Images (D1)	
Each Channel	Frame Setting		Available	
	Event, Normal		Available	
	Speed		Available	
	Resolution		Available	
	Quality		Changed at 4 level (Low, Normal, Fine, Best)	
Setup Per Channel			Individual	
Record Limit			Automatic Data Delete for Privacy	
Data Size			1~3KB (CIF), 3~7KB (D1/2), 6~15KB (D1)	
Recording Mode			Normal (Continuous), (Event, Motion detection, Sensor, Video loss), Schedule	
Pre-Alarm			5 Seconds (considering 30 sec., even 2 min.)	
Watermark			Password protected	
Schedule			24 groups per day by an hour, Holidays are same as Sunday	
Storage	Internal		2 SD cards in front	
	Optional		4 SD cards built in module for a total of 6	
GPS Board			GPS (Optional) - Factory Installed (Standard on the DVRM42GPS & DVRM46GPS)	
SEARCHING & PLAYBACK				
Searching Method			Time, Calendar, Event, (Copied) File, Text	
Playback (Reverse)			1, 2, 4, 16, 32, 64, 128 velocity 1/2, 1/4, 1/16, 1/32, 1/64, 1/128	
COPY DEVICE				
Media Support			USB memory stick, External USB HDD	
USB 2.0			1 port in front	
MULTI-REMOTE SURVEILLANCE				
Monitoring Environment			Client software / CMS for mobile DVR / SD viewer	
Transmission Rate			Max. 120 FPS (CIF) full motion transmission	
Search			Supporting multi-client (16 clients accessible)	
OS			Embedded Linux	
Menu Type			Graphic + Text	
CONNECTORS				
Main Monitor Output		Composite	Yes	
		VGA Output	Yes	
Sensor Input		4 Channel (Box connector) (Include Ground 1 pins)		
Alarm Output		1 Relay output: 2 pins Box connector (No, Common)		
RS-485 for External Control & PTZ		2 pins (Box Connector)		
Ethernet		RJ-45, 10/100Mbps		
USB 2.0		1 port (Front)		
ELECTRICAL				
Power Source			Input DC 9V ~ 35V, Output DC 12V,1.5A	
Power Consumption			Approx.10 Watts (Including 2SD Memory)	
ENVIRONMENTAL				
Operating/Storage Temperature			-14°F ~140°F / -40°F ~160°F	
Dimensions			7.87"(W) x 4.33"(D) x 1.18"(H)	
Weight			Approx. 3.3 lbs.	

## PC-Based 8 or 16 Ch. Hybrid Pentaplex Digital Video Recorder with Advanced Features

High-end PC DVR  
performance at the cost  
of an embedded unit

**iPhone®  
Compatible**

**DVR8PCL250** 8 camera channels

**DVR16PCL250** 16 camera channels



### PC -Based Pentaplex DVR Features

#### GENERAL

- True hybrid DVR: provides IP camera support of most popular brands for up to 4 cameras
- Selectable software compression (H.264, MPEG-4, MJPEG)
- Digital Deterrent™ ready
- Supports POS integration
- Facial recognition
- Windows® Embedded XP operating system
- 250GB standard, models available up to 4TB, DVD/RW standard for data offload
- 8 or 16 camera inputs
- 4 audio inputs
- Two-way audio
- 1 Gbps Ethernet interface, NIC 10/100/1000
- 720x480, 640x480, 352x240 image sizes
- 60 & 120 fps total recording frame rate
- 60 & 120 fps total live view frame rate
- Advanced programmable motion detection with video analytics
- Pan/Tilt/Zoom control
- Password protection
- Still image save with image verification utility
- Still image print capability
- Fully integrated backup to DVD-RW
- System failure handling with UPS support (auto rebooting with file recovery)
- Auto-sensing, auto protection power supply (100~127/200~240 VAC)
- 1GB RAM

- 4:3/16:9 monitor resolution support
- 32-bit color
- NTSC/PAL support
- Dimensions: 6.25" W x 11" H x 19.5" D

#### MONITORING (LIVE VIEW) & RECORDING

- E-Map feature allows local and remote camera, alarm input and output selection from actual multi-level maps
- 1, 4, 8, 9, 13, 16 multi-camera & full screen display modes: VGA, composite, DVI & S-Video outputs
- Adjustable multi-screen switching (3 sec. to 10 sec. intervals)
- Covert camera mode (recording without viewing)
- Image quality adjustment (per camera configurable)
- Dynamically programmable recording priority, motion detection, alarms and scheduling
- 3 different motion detection zones
- Programmable motion detection sensitivity
- Fully programmable scheduled recording (1-hour increments; daily, weekly, monthly, date, or event)
- Sensor-based recording- 4 alarms trigger inputs
- Motion alarm
- Camera input detection
- Camera image adjustment (brightness, contrast, chroma, hue)
- Daylight savings time adjustment (automatically synchronized)
- Estimated recording period (remaining disk space shown on GUI and built-in HDD calculator)

Expand storage using commercially available NAS boxes

## SEARCH & PLAYBACK

- 1, 4, 8, 9, 13, 16 multi-camera display modes
- Synchronized multi-screen playback
- Full-function playback (play, rewind, fast-forward, drag & drop)
- Search filters for playback (date & time, camera, area, event, vision, POS/ATM, and log file)
- Image enhancement (brightness, contrast, gray, high pass, edge enhancement)
- Live playback with 15x image zoom/image enhancement
- Still image print capability
- External HDD supported (USB, Network, NAS)
- Live data backup to network drive (NAS)
- Offsite data archiving
- Still image save with image verification utility
- Multiple still image export
- MPEG, .AVI or Proprietary .DVR backup formats
- Simultaneous local, remote and archive video viewing

## REMOTE SURVEILLANCE

- DB9 POS/UPS/RS485 control
- Face recognition
- Client software (Windows 2000, XP and Vista)
- CMPC software (Windows 2000, XP and Vista)
- PDA software (Windows CE)
- Smartphone software (Symbian / Windows compatible)
- TCP/IP remote network
- Unlimited number of connections on web viewer, 1,000 DVRs can be connected on CMPC
- Remote transmission (live view, playback, file copy, audio, & event log)
- Remote control (Pan/Tilt/Zoom, auxiliary devices, alarm, & mini center)
- Unlimited connection time
- User log with search filters for remote access

## SENSORS & ALARMS

- RS-232 output
- Software selectable sensor input type
- Adjustable alarm hold time (1-3,600 sec)
- Full screen mode for sensed camera
- Motion detection, video loss, voice detection, sensor trigger, abnormal event, POS keyword and alarm message alarms
- Smart Alarm Functions include launching E-Map, full screen cameras,

- audible warning, email notification, phone call, FTP files, SMS/MMS messaging and PTZ camera
- LCD alarm indicator on front panel
- Sensor input indicator

## EVENT LOG & SEARCH

### Logs:

- Sensor event
- Recording start/stop
- Date & time change
- Password change
- Settings change
- System power on/off
- System power recovery
- HDD failure, reboot
- Remote access users
- Unlimited number of events stored
- Event search filter (date & time, event, operation, system, network, POS viewer)
- Sensor event playback
- Search filter for sensor event playback (date & time, camera)
- Full or multi-screen sensor event playback

## SECURITY & MAINTENANCE

- Image file encryption
- Auto rebooting after power failure
- Auto recovery of system files
- Auto recovery of data files
- Hardware watchdog (initiates conditional reboot)
- Passwords
- System access
- Set-up access (administrator)
- Remote access

Available models: **DVR8PCL250**  
**DVR16PCL250**

Models are available in 250GB, 750GB, 1TB, 2TB, 3TB & 4TB models.

## Package Includes:

DVR Unit  
Power Supply  
Recovery DVD

Tool Kit DVD  
USB Mouse  
Video Input Cable

Quick Guide  
User Manual  
2 Year Limited Warranty

**POS  
POINT OF  
SALE**

**FREE  
DDNS**

**DIGITAL  
DETERRENT**

**2 yr.  
WARRANTY**

## H.264/MPEG4 HYBRID Pentaplex DVR Supports Both Analog and IP Cameras

**iPhone®  
Compatible**

### PC PRO Series

#### DVRPC8P24

8 Channel PC Based Pentaplex DVR

#### DVRPC16P48

16 Channel PC Based Pentaplex DVR



Rear View

Check out our CAT5 Video Accessories  
on pages 70-77

### PC Pro Series Features

#### GENERAL

- True hybrid DVR provides IP camera support on most popular brands
- Selectable software compression (H.264, MPEG-4)
- **Digital Deterrent™ ready**
- Supports POS integration
- Windows Embedded XP operating system
- Storage starts at 500GB available up to 4TB
- DVD/RW standard for data offload
- 8 or 16 camera inputs and loopouts
- 8 or 16 audio inputs
- 8 or 16 channel video loop-through
- Two-way audio (standard) - local & remote
- 1 Gbps Ethernet interface NIC 10/100/1000
- 720x480, 640x480, 352x240 image sizes
- 240 & 480 fps total recording frame rate, configurable to divide across 8 or 16 channels
- 240 & 480 fps total live view frame rate, configurable to divide across 8 or 16 channels
- Advanced programmable motion detection with video analytics
- 4 sensor inputs
- 4 alarm outputs
- Pan/Tilt/Zoom control
- Password protection
- Still image save with image verification utility
- Still image print capability
- Fully integrated one-button backup to DVD-RW
- System failure handling with UPS support (auto rebooting with file recovery)
- Auto-sensing, auto protection power supply (100~127/200~240 VAC)
- Pentium E2160 (1.8GHz) dual core processor
- 1GB RAM
- 1280x1024 monitor resolution

- NTSC/PAL support
- Dimensions: 17" W x 4.25" H x 16.25" L 2.5RU H
- Remote control and rack ears included

#### MONITORING (LIVE VIEW) & RECORDING

- E-Map feature allows local and remote camera, alarm input and output selection from actual multi-level maps
- 1, 4, 8, 9, 13, 16 multi-camera & full screen display modes: VGA, composite, DVI & S-Video outputs
- Standard analog TV output (programmable, sequential & multiplexed)
- Adjustable multi-screen switching (3 sec to 10 sec. intervals)
- Covert camera mode (recording without viewing)
- Image quality adjustment (per camera configurable)
- Dynamically programmable recording priority, motion detection, alarms and scheduling
- Unlimited number of motion detection zones
- Programmable motion detection sensitivity
- Fully programmable scheduled recording (1-hour increments; daily, weekly, monthly, date, or event)
- Sensor-based recording
- Motion alarm
- Camera input detection
- Camera image adjustment (brightness, contrast, chroma, hue)
- Daylight savings time adjustment (automatically synchronized)
- Estimated recording period (remaining disk space shown on GUI and built-in HDD calculator)
- HDD health monitor sends email, displays an OSD warning and sounds a local alarm if failure is detected

Expand storage using commercially available NAS boxes

## PC Pro Series Features

### SEARCH & PLAYBACK

- 1, 4, 8, 9, 13, 16 multi-camera display modes
- Synchronized multi-screen playback
- Full-function playback (play, rewind, fast-forward)
- Search filters for playback (date & time, camera, area, event, vision, POS/ATM, and log file)
- Image enhancement (brightness, contrast, gray, high pass, edge enhancement)
- Playback with 15x image zoom/image enhancement
- Still image print capability
- External HDD supported (USB, Network, NAS)
- Live data backup to network drive (NAS)
- Offsite data archiving
- Still image save with image verification utility
- Multiple still image export
- MPEG, .AVI or Proprietary .DVR backup formats
- Simultaneous local, remote and archive video viewing

### REMOTE SURVEILLANCE

- Client software (Windows® 2000, XP and Vista)
- PDA software (Windows® CE)
- Smartphone software (Sybian / Windows® compatible)
- TCP/IP remote network
- Unlimited number of connections on web viewer, 1,000 DVRs can be connected on CMS
- Remote transmission (live view, playback, file copy, audio, & event log)
- Remote control (Pan/Tilt/Zoom, auxiliary devices, alarm, & mini center)
- Unlimited connection time
- User log with search filters for remote access

### SENSORS & ALARMS

- 4 sensor inputs (dry contact N/C, N/O)
- 4 alarm outputs (relay contact 3A 120VAC or 3A 24VDC)
- DB9 POS/UPS/RS485 control
- Software selectable sensor input type
- Adjustable alarm hold time (1-3,600 sec)
- Full screen mode for sensed camera

- Motion detection, video loss, voice detection, sensor trigger, abnormal event, POS keyword and alarm message alarms
- Smart Alarm Functions include launching E-Map, full screen cameras, audible warning, email notification, phone call, FTP files, SMS/MMS messaging and PTZ camera
- LCD alarm indicator on front panel
- Sensor input indicator

### EVENT LOG & SEARCH

#### Logs:

- Sensor event
- Recording start/stop
- Date & time change
- Password change
- Settings change
- System power on/off
- System power recovery
- HDD failure, reboot
- Remote access users
- Unlimited number of events stored
- Event search filter (date & time, event, operation, system, network, POS viewer)
- Sensor event playback
- Search filter for sensor event playback (date & time, camera)
- Full or multi-screen sensor event playback

### SECURITY & MAINTENANCE

- Image file encryption
- Auto rebooting after power failure
- Auto recovery of system files
- Auto recovery of data files
- Hardware watchdog (initiates conditional reboot)
- Passwords
- System access
- Set-up access (administrator)
- Remote access

Available  
models: DVRPC8P24500  
DVRPC8P241TB  
DVRPC16P48500  
DVRPC16P481TB

Models are available up to 4TB

**POS  
POINT OF  
SALE**

**FREE  
DDNS**

**DIGITAL  
DETERRENT**

**2 yr.  
WARRANTY**

MODEL	DVR4TH/8TH/16TH	DVR4TL/8TL/16TL	DVR4WM/8WM/16WM
OPERATING SYSTEM	EMBEDDED LINUX	EMBEDDED LINUX	EMBEDDED LINUX
ANALOG VIDEO INPUTS	4/8/16	4/8/16	4/8/16
IP INPUTS REPLACE ANALOG	4 MAX	NONE	4 MAX
LOOPING ANALOG	4/8/16	NONE	4/8/16
MAIN MONITOR OUT	VGA, S-VIDEO, COMPOSITE, DIGITAL OUTPUT	VGA, COMPOSITE	VGA, S-VIDEO, COMPOSITE
CALL MONITOR OUT	BNC	BNC	BNC
MAX INTERNAL DRIVES	2	1	2
FRONT DRIVE BAY	1	1	0
MAX TOTAL HDD	3	2	2
AUDIO INPUTS/OUTPUTS	4/8/16 INPUTS & OUTPUTS	4/8/16 INPUTS & 2 OUTPUTS	4/8/16 INPUTS & 2 OUTPUTS
2-WAY AUDIO	3/7/15 CHANNELS, LOCAL ONLY	N/A	NA
DVD BURNER	SINGLE LAYER - 4.7GB	OPTIONAL	NONE
IR REMOTE	FULL CONTROL	FULL CONTROL	FULL CONTROL
FRONT BUTTONS/DISPLAY	FULL CONTROL	FULL CONTROL	FULL CONTROL
USB PORTS	2F/2R	1F/1R	2
RELAY OUTPUTS	2-FORM C	1-FORMC	1 FORM C
SENSOR INPUTS	4/8/16	4/8/16	4/8/16
ADDITIONAL STORAGE	USB CONNECTED	NONE	NONE
ACCESSORIES	IR REMOTE CONTROL	IR REMOTE CONTROL	IR REMOTE CONTROL
FORM FACTOR	DESKTOP/RACK STYLE	DESKTOP/RACK STYLE	WALL MOUNTED
PER CAMERA MAX PPS @ 720X480	30/15/7.5	7.5/3.75/1	7.5/7.5/3.75
PER CAMERA MAX PPS @ 640X480	NA	NA	NA
PER CAMERA MAX PPS @ 720X240	30/30/15	15/7.5/3.75	15/15/7.5
PER CAMERA MAX PPS @ 352X240	30/30/30	30/15/7.5	30/30/15
MAX TOTAL PPS FOR UNIT	480/MPEG4	240	240
COMPRESSION	H.264/MPEG4/MJPEG	H.264	H.264
FREE DDNS	YES	YES	YES
ACCESS THROUGH INTERNET EXPLORER	LIVE/PLAYBACK/CONFIG/PTZ	LIVE/PLAYBACK/CONFIG/PTZ	LIVE/PLAYBACK/CONFIG/PTZ
MULTI-DVR VIEWING SOFTWARE	CMS	CMS	CMS
MULTI-DVR SOFTWARE INCLUDED	YES	YES	YES
VIDEO ANALYTICS SUITE	NONE	NONE	NONE
uPnP	STANDARD	NONE	STANDARD
iPhone®, JAVA REMOTE & OR PDA VIEWER	LIVE/PLAYBACK	LIVE/PLAYBACK	LIVE/PLAYBACK

# Comparison Chart

## DVR Comparison Chart

DVRM42/6	EZVR4/8	DVR8PCL/16PCL	DVRPC8P24/16P48
EMBEDDED LINUX	EMBEDDED LINUX	WINDOWS XP	WINDOWS XP
4	4/8	8/16	8/16
NONE	NONE	4 MAX	8/16
NONE	NONE	YES	YES
VGA, COMPOSITE BNC	BNC or S-VIDEO	DVI-D (Digital) or VGA (Analog)	DVI-I (Analog) or VGA (Analog)
NONE	NONE	RCA	RCA
2/6 SD CARDS	1	3	3
NA	NONE	EMPTY FOR EXPANSION	EMPTY FOR EXPANSION
2/6 SD CARDS	1	4	4
1 INPUT / 2 OUTPUT	1 INPUT / 1 OUTPUT	4 INPUTS / 1 OUTPUT	8/16 INPUTS / 1 OUTPUT
REMOTE TO DVR	N/A	LOCAL/REMOTE TO DVR	LOCAL/REMOTE TO DVR
NONE	NONE	SINGLE LAYER - 4.7GB	DUAL LAYER - 9.4GB
YES	FULL CONTROL	NONE	FULL CONTROL
FULL CONTROL	FULL CONTROL	NONE	FULL CONTROL
1	1F	2F/4R	2F/4R
1	1-FORM C	2 SPST/1-C	4-FORM C
4	4/8	4	4
NONE	NONE	NETWORK STORAGE	NETWORK STORAGE
IR REMOTE CONTROL	IR REMOTE CONTROL	MOUSE	MOUSE/IR
7.87"x4.33"x1.18"/Mobile	DESKTOP/RACK STYLE	TOWER DESKTOP PC	DESKTOP/RACK STYLE
60	N/A	7.5/3.75	15/10
NA	N/A	7.5/3.75	30/15
120	N/A	NA	NA
120	N/A	15/7.5	30/30
120	60	120	240/480
H.264	MJPEG	H.264/MPEG-4/MJPEG	H.264/MPEG-4
YES	N/A	YES	YES
NA	N/A	LIVE/PLAYBACK/CONFIG/PTZ	LIVE/PLAYBACK/CONFIG/PTZ
MOBILE MGR.	N/A	CMPC	CMPC
YES	N/A	YES	YES
NONE	N/A	STANDARD	STANDARD
NONE	N/A	STANDARD	STANDARD
NA	N/A	LIVE & PTZ	LIVE & PTZ

# IP Cameras - SIP Series



**SIP**  
SERIES



Check out our IP  
Video Accessories  
on page 76

Speco Technologies complete SIP security surveillance product line provides enterprise level features in a platform compatible with the industry's leading 3rd party software providers. The SIP Series includes both standard resolution and 1.3 megapixel cameras and ships with its own full featured NVR software suite.

These IP cameras are ideal for use in casinos, government, schools, transportation (National Traffic System), airports and other large business applications.

**NVR software is free for first 16 cameras only, and a total limitation of 64 cameras. Call for details.**

## Normal Resolution Cameras

Feature Intensifier™ Technology,  
Network and Composite Video Outputs

### Weatherproof Bullets

2.8-11mm auto iris varifocal lens

Model: **SIPB1**

5-50mm auto iris varifocal lens

Model: **SIPB2**

### Tamper Resistant/Weatherproof Domes

2.8-11mm auto iris varifocal lens

Model: **SIPD3**

5-50mm auto iris varifocal lens

Model: **SIPD4**

### Motorized Speed Dome Indoor/Outdoor

3.5-129.5mm lens with mechanical IR filter

Model: **SIPSD37X**

3.8-38mm lens with mechanical IR filter

Model: **SIPSD10X**

### IP Traditional Camera

Uses CS type lenses

Model: **SIPT5**

**INTENSIFIER<sup>2</sup>**

## 1.3 Megapixel Cameras

Feature Day/Night Technology,  
With Mechanical IR Filter

### Weatherproof Bullets

4.2mm megapixel lens – 22 LEDs

Model: **SIPMPB**

3.3-12mm varifocal lens – 22 LEDs

Model: **SIPMPBVF**

### Tamper Resistant/Weatherproof Domes

4.2mm megapixel lens

Model: **SIPMPD**

3.3-12mm varifocal lens

Model: **SIPMPDVF**

### Traditional Megapixel Camera

Model: **SIPMPTS** - Uses CS type lenses

Video servers (SIPS101)  
and decoders (SIPD101) also available.  
For normal resolution cameras only

# An enterprise level network solution for IP cameras.

Speco Internet Protocol (SIP)



*Compatible with major third party software suites such as Milestone Systems, Exacq, Genetec and ONSSI*

- Compatible with major third party software suites such as Milestone Systems and ONSSI\*\*\*
- All cameras in the SIP Series come with advanced NVR software at no extra charge\*
- Adjustable bandwidth to meet all network infrastructures
- Available in normal resolution and megapixel versions
- Power Over Ethernet\*\* (IEEE 802.3af) and/or 12V DC
- Features 2-way audio
- Works with Speco Technologies Hybrid DVRs as well as other major manufacturers
- Models: SIPB1,B2,D3,D4 include video test connector
- Video servers and decoders also available
- 5 year warranty

\*\*\* Visit [www.specotech.com](http://www.specotech.com) for an up to date list.

\* The SIP NVR has a "free" camera limitation of 16 cameras and a total limitation of 64 cameras. Call for further details regarding the SIP16LIC.

\*\* POE not available on PTZ model SIPSD10X

See page 78 for Compatible Camera Mount Accessories

5 year warranty on all cameras

## IP Server and Intensifier™ In the Camera! Access All Intensifier™ & WDR Functions Over the Internet or Network!

### Ideal for Mid-Size Systems with Self-Contained Powerful NVR Software

- Built-in web server works with Internet Explorer; no special software required for basic functionality and recording
- Linux Operating System built into camera – No virus threats
- Free DDNS Server includes storage of up to 30 alarm events
- Dual Streaming (2 data compression): Cameras have both MPEG-4 and JPEGCODECS which allow you to choose between streaming or high quality video
- Analog composite video output for local viewing
- Changeable/Selectable Ports allow one IP address to handle multiple cameras
- Premium NVR software supplied at no extra cost for accessing advanced features
- Remotely view up to 16 cameras in one window - 30 groups of cameras available for a total of 480 cameras
- Support of Dynamic and Static IP addresses
- Multiple levels of password protected remote access
- Includes advanced IP locator software to make system setup easy
- Built in video motion detection
- Multiple alarm handling capabilities: alarm inputs, relay outputs
- Remotely upgradeable for software and firmware functions
- Schedule recording, per camera, per day, per hour - separate schedules for regular, motion and alarm settings
- Selectable Resolutions: 704 x 480, 352 x 480, 352 x 240
- Protocols: HTTP, FTP, TCP/IP, DHCP, ARP, DNS, ICMP, DDNS
- Up to 50 simultaneous users
- 5 Year warranty

See page 78 for Compatible Camera Mount Accessories



**IPSD10X**

### IP/Network Intensifier™ Speed Dome Camera

- Weatherproof/Tamper resistant
- 10x Optical Zoom 3.8mm-38mm
- 10x Digital Zoom
- 150° Per Second Movement
- Indoor/Outdoor Use
- Intensifier™ Functions
- True Day/Night Operation



**WMSD10X**  
Wall Mount  
(Sold Separately)



**CPSD10X**  
Corner/Pole  
(Sold Separately)

### Weatherproof Tamperproof



**IPINTD3**  
2.8-11mm  
Auto Iris Dome Camera

**IPINTD4**  
5-50mm  
Auto Iris Dome Camera

### Traditional



**IPINTT5**  
Traditional Camera  
Uses C/CS Lenses

**IPT5**  
No Intensifier Feature

### WDR/IP Wide Dynamic Range

### For Your Toughest Lighting Situations!



**IPWDRB1**  
2.8-11mm  
Auto Iris Bullet Camera

Features PIXIM  
wide dynamic range  
technology. See pg 35

### Power Over Ethernet



**IPPOEH101**

**IPPOECAM**

- Power any Speco Technologies IP Camera from up to 330 ft. away
- Does not limit camera performance or features

### IP/Network Decoder



Front

Rear

- Receives protocol "C" network transmission and converts them to analog signals

### IP/Network Video Server

- Allows any analog CCTV camera to function as a Speco Technologies IP Camera

- Supports 2-way audio when paired with a microphone, amplifier and speaker



Front

Rear

**IPS101**



## NO MORE RETURN TRIPS TO RE-FOCUS THE CAMERA!

Zoom & Intensifier™ functions can be controlled using RS485 from a DVR

Includes video test connector



**HTB11FFi**

Weatherproof Bullet Camera

Use with  
Flush Mount  
Kit: DFM3



**HT7248FFi**

Weatherproof/Tamper Resistant  
Dome Camera

Includes video test connector



**HTD8FFi**

Weatherproof/Tamperproof  
Dome Camera

Includes video test connector



## Intensifier™ Focus Free Features

Intensifier™ Series	See in the dark without IR LEDs
Chameleon Cover	A snap-on cover that converts the housing from the standard dark grey to decorator white and can be painted to match any décor. (HT7248FFi)
580 Lines of Color Resolution	Extreme resolution for extreme detail
2.8 to 10mm Auto Iris Varifocal Lens	A wider zoom range to fit more applications
Wall & Ceiling Mount	Features an internal 3-axis mount for maximum versatility
Weatherproof / Tamper resistant	Indoors or outdoors, meets all of your surveillance needs
Dual Voltage Operation	12 Volts DC or 24 Volts AC with line-lock. Voltage is auto-sensing

## Specifications

Resolution	580 TV lines
Intensifier™	Built-in (selectable from 2x to 256x)
Image Device	SONY HQ-1™ with a customized DSP
Min. Object Illumination	0.002 lux (intensifier™) 0.03 lux (shutter)
Speco Light Compensation (SLC/WDR)	OFF, LOW, MIDDLE, HIGH, HLC
Focus Free Lens	DC auto iris motorized zoom lens 2.8-10mm
Effective Picture Element	410K
White Balance	W-ATW / S-ATW / AWC / MANUAL
AGC	AGC-L, AGC-M, AGC-H, OFF selectable
Video S/N Ratio	Greater than 50db
Weatherproof Standard	IP66
Mechanical construction	Aluminum composite/polycarbonate - tamper resistant
Operating Environment	-20°F to 120°F
Video Signal Output	1.0V(p-p) NTSC composite, 75 ohms / BNC Connector + Video Test Connector
Power Consumption	230mA (DC) / 3.8W (AC)
Power Requirements	12V DC & 24V AC (Dual Voltage)
Scanning System	2:1 interlaced 525 lines / 60 fields / 30 frames
Synchronization	Internal / line lock selectable through OSD
Video Noise Reduction	OFF / LOW / MIDDLE / HIGH
Motion Detection	MD1 / MD2 / OFF- Relay outputs
On Screen Display (OSD)	Built-in
Privacy function	ON / OFF (4 Programmable Zone)
Dimensions	6.29" W x 3.89" H

**INTENSIFIER<sup>2</sup>**

See In The Dark  
Without IR LEDs!\*

See page 78 for Compatible Camera Mount Accessories

\*Requires only 0.002 lux

## Weatherproof Intensifier™ Bullet Cameras

**BEST  
SELLER!**

Dark Gray housing

HTINTB8 (2.8-12mm lens)

HTINTB9 (5-50mm lens)

HTINTB10 (9-22mm lens)

White housing

HTINTB8W (2.8-12mm lens)

HTINTB9W (5-50mm lens)

HTINTB10W (9-22mm lens)



**Includes video  
test connector**

### Intensifier™ Bullet Features

- Amplify existing light with no distance limitations
- No problems caused by objects that reflect or absorb IR light sources
- 580 lines of resolution
- Minimum illumination 0.002 lux (Intensifier™ @ 256x)
- Dual voltage 12V DC & 24V AC operation
- Full OSD operation
- External controls for zoom and focus
- SLC - Speco Light Compensation
- S/N Ratio more than 50dB (weight on)
- Weatherproof operation, IP-67
- EZ mount system simplifies installation
- 5 year warranty

### Specifications

Resolution	580 TV line
Intensifier™	Built-in (selectable from 2x to 256x)
Image Device	1/3" Sony Super-HAD™ CCD - 410K*
Minimum Illumination	0.002 lux - Intensifier™ @ 256x
SLC (Speco Light Compensation)	Low, middle, High, Off, Selectable, HLC
White Balance	ATW/AWC/MANUAL (1800K - 10,500K)
S/N Ratio	More than 50dB (weight on)
Video Output	Composite video 1.0 Vp-p into 75 Ohm + test connection
Electronic Shutter	Auto/Manual (1/60 - 1/120,000 seconds)
OSD	Built-in - controlled by internal buttons
Auto Gain	Low, Middle, High, Off, Selectable
Reduce Noise	Low, Middle, High, Off, Selectable
Day & Night (Color)	On / Auto Selectable
Sharpness	On / Off (Level Adjustable)
Privacy	On / Off (4 Programmable Zones)
Power Consumption	210mA
Power Requirements	24 Volts AC, 12 Volts DC - Dual Voltage
Lens	DC Auto Iris Varifocal Lens (2.8-12mm, 5-50mm or 9-22mm)
Total Pixels	811(H) x 508(V)
Effective Pixels	768(H) x 494(V)
Scanning Frequency	15.734kHz(H) / 59.94Hz(V)
Scanning System	2:1 Interlace
Synchronization	Internal / Line lock in 24V AC
Motion Detection	MD1 / MD2 / OFF- Relay outputs
Operating Temperature	-14°F to 122°F - RH 95% Max.
Storage Temperature	-40°F to 140°F - RH 95% Max.
TV System	NTSC
Dimensions	3.94" W x 4.92" H x 8.19" L
Weight	3 lbs.

\*Requires only 0.002 lux

**INTENSIFIER<sup>2</sup>**

*See In The Dark  
Without IR LEDs!\**

**Includes  
EZ Mount  
Plate**



**See page 78 for Compatible  
Camera Mount Accessories**



## Tamper Resistant/Weatherproof Intensifier™ Series Dome Cameras with Chameleon™ Cover

All menu functions controlled using an internal joystick

HT7246iHR 2.8-12mm Auto Iris Varifocal lens  
HT7247iHR 9-22mm Auto Iris Varifocal lens  
HT7250iHR 5-50mm Auto Iris Varifocal lens

7246WMT

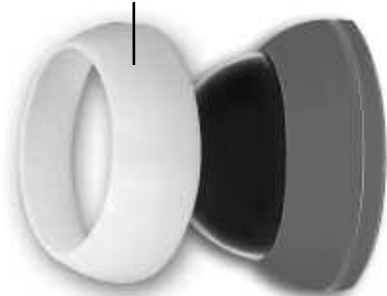
Wall Mount  
(Sold Separately)



BCP  
Corner/Pole Mount  
(Sold Separately)

**BEST  
SELLER!**

Includes Paintable Chameleon™ Cover



Includes video test connector

### Intensifier™ Dome Features

Intensifier™ Series ..... See in the dark without IR LEDs  
Chameleon Cover ..... Snap-on cover converts the housing from standard dark grey to decorator white and can be painted to match any décor.  
580 Lines of Color Resolution ..... Extreme resolution for extreme detail  
2.8-12mm or 9-22mm Auto Iris Varifocal Lens ..... A wider zoom range to fit more applications  
Wall & Ceiling Mount ..... Features an internal 3-axis mount for maximum versatility  
Weatherproof / Tamper resistant ..... Indoors or outdoors, meets all of your surveillance needs  
Dual Voltage Operation ..... Auto-sensing 12 Volts DC or 24 Volts AC with line-lock.  
Warranty ..... 5 years

### Specifications

Resolution	580 TV lines
Intensifier™	Built-in (selectable from 2x to 256x)
Image Device	SONY HQ-1™ with a customized DSP behind it
Min. Object Illumination	0.002 lux (Intensifier™) 0.03 lux (shutter)
Speco Light Compensation (SLC/WDR)	OFF, LOW, MIDDLE, HIGH, HLC
Effective Picture Element	410K
White Balance	W-ATW / S-ATW / AWC / MANUAL
AGC	AGC-L, AGC-M, AGC-H, OFF selectable
Video S/N Ratio	Greater than 50db
Weatherproof Standard	IP66
Mechanical construction	Aluminum composite/polycarbonate - tamper resistant
Video Signal Output	1.0V(p-p) NTSC composite, 75 Ohms
Electronic Shutter	1/60-1/100,000 seconds
Built In Lens	DC auto iris varifocal lens 2.8-12mm, 1:1.3-2.0 / BNC Connector + Video Test Connector
Power Consumption	230mA (DC) / 3.8W (AC)
Power Requirements	Requires 12V DC or 24V AC (Dual Voltage)
Scanning System	2:1 interlaced 525 lines / 60 fields / 30 frames
Synchronization	Internal / line lock selectable through OSD
Video Noise Reduction	ON / LOW / MIDDLE / HIGH
Motion Detection	MD1 / MD2 / OFF - Relay Outputs
On Screen Display (OSD)	Built-in
Operating Environment	-20°F to 120°F
Privacy function	ON / OFF (4 Programmable Zones)
Weight	24 ounces
Dimensions	6.29" W x 3.89" H

**INTENSIFIER<sup>2</sup>**

See In The Dark  
Without IR LEDs!\*



Flush Mount Kit  
DFM2



See pgs. 79 & 80 for Mounting Accessories:  
Conduit Compatible Dome Extension - CVCTPEXT  
Flush Mount Kit - DFM2 • Junction Box Mount - CVCTPLATE

\*Requires only 0.002 lux

## Tamper Resistant/Weatherproof Intensifier™ Dome Cameras

**See In The Dark Without IR LEDs!\***

Dark gray housing

**HTINTD8** (2.8-12mm lens)

**HTINTD9** (5-50mm lens)

**HTINTD10** (9-22mm lens)

White housing

**HTINTD8W** (2.8-12mm lens)

**HTINTD9W** (5-50mm lens)

**HTINTD10W** (9-22mm lens)

7246WMT

Wall Mount

(Sold Separately)



Includes video  
test connector



### Intensifier™ Dome Features

- Weatherproof operation, IP-66
- Tamper resistant
- Amplify existing light with no distance limitations
- No problems caused by objects that reflect/absorb IR light sources
- 580 lines of resolution
- Minimum illumination 0.002 lux (Intensifier™ @ 256x)
- Dual voltage: 12V DC/24V AC
- Full OSD operation
- External controls for zoom & focus
- SLC - Speco Light Compensation
- S/N Ratio more than 50dB (weight on)
- EZ mount system simplifies installation
- Wall or ceiling mount
- 5 year warranty

### Specifications

Resolution	580 TV lines
Intensifier™	Built-in (selectable from 2x to 256x)
Image Device	1/3" Sony Super-HAD™ CCD
Minimum Illumination	0.002 lux - Intensifier™ @ 256X
SLC (Speco Light Compensation)	Low, middle, High, Off, Selectable, HLC
Effective Picture Element	410K
White Balance	ATW/AWC/MANUAL (1800K - 10,500K)
S/N Ratio	More than 50dB (weight on)
Video Output	Composite video 1.0 Vp-p into 75 Ohm + test connection
Electronic Shutter	Auto/Manual (1/60 - 1/120,000 seconds)
Auto Gain	Low, middle, High, Off, Selectable
Reduce Noise	Low, middle, High, Off, Selectable
Day & Night (Color)	On / Auto Selectable
Sharpness	On / Off (Level Adjustable)
Power Consumption	210mA
Power Requirements	24 Volts AC, 12 Volts DC - Dual Voltage
Lens	DC Auto Iris Varifocal Lens (2.8-12mm, 5-50mm or 9-22mm)
Total Pixels	811(H) x 508(V)
Effective Pixels	768(H) x 494(V)
Scanning Frequency	15.734kHz(H) / 59.94Hz(V)
Scanning System	2:1 Interlace
Synchronization	Internal / Line lock in 24V AC
Operating Temperature	-14°F to 122°F - RH 95% Max.
Storage Temperature	-40°F to 140°F - RH 95% Max.
TV System	NTSC
Motion Detection	MD1 / MD2 / OFF - Relay Outputs
OSD	Built-in - controlled by internal buttons
Privacy	On / Off (4 Programmable Zones)
Weight	3 lbs.
Dimensions	5.5" W x 4.4" H x 5.5" D

**INTENSIFIER 2**

*See In The Dark  
Without IR LEDs!\**

See page 78 for Compatible Camera Mount Accessories

\*Requires only 0.002 lux



## Indoor Intensifier™ Wall & Ceiling Mount Dome Cameras

INTENSIFIER™ 2

See In The Dark  
Without IR LEDs!\*

**See In The Dark Without IR LEDs!\***

CVC6246iHR

Black housing

CVC6246iHRW

White housing

**Includes video  
test connector**



### Intensifier™ Series Features

580 Lines of Color Resolution	..... Extreme resolution for extreme detail
2.8 to 12mm Auto Iris Varifocal Lens	..... A wider zoom range to fit more applications
Wall & Ceiling Mount	..... Features an internal 3-axis mount for maximum versatility
Dual Voltage Operation	..... 12 Volts DC or 24 Volts AC with line-lock Voltage is auto-sensing
Warranty	..... 5 Years

### Specifications

Horizontal Resolution	..... 580 TV lines
Intensifier™	..... Built-in (selectable from 2x to 256x)
Image Device	..... SONY HQ-1™ with a customized DSP
Min. Object Illumination	..... 0.002 lux (Intensifier™) 0.03 lux (shutter)
Effective Picture Element	..... 410K
Speco Light Compensation (SLC/WDR)	..... OFF, LOW, MIDDLE, HIGH/HLC
White Balance	..... W-ATW / AWC / MANUAL
Video S/N Ratio	..... Greater than 50db
Electronic Shutter	..... 1/60-1/100,000 seconds
On Screen Display (OSD)	..... Built-in
AGC	..... AGC-L, AGC-M, AGC-H, OFF selectable
Built-In Lens	..... DC auto iris varifocal lens 2.8-12mm, 1:1.3-2.0
Mechanical Construction	..... Polycarbonate
Video Signal Output	..... 1.0V(p-p) NTSC composite, 75 Ohms / BNC Connector + Video Test Connector
Power Consumption	..... 230mA (DC) / 3.8W (AC)
Power Requirements	..... 12V DC & 24V AC (Dual Voltage)
Scanning System	..... 2:1 interlaced 525 lines / 60 fields / 30 frames
Synchronization	..... Internal / line lock selectable through OSD
Video Noise Reduction	..... ON / LOW / MIDDLE / HIGH
Motion Detection	..... MD1 / MD2 / OFF - Relay out
Privacy function	..... ON / OFF (4 Programmable Zones)
Operating Environment	..... 14°F to 120°F
Dimensions	..... 5.5" W x 4.5" H
Weight	..... 16 ounces

**NEW**

**Flush Mount Kit  
DFM2**



See pg. 80 for Mounting Accessories: Flush Mount Kit - DFM2  
See page 78 for Compatible Camera Mount Accessories



\*Requires only 0.002 lux

## Traditional Box



shown with  
optional lens

### HTINTT5

accepts C & CS type lenses

### VLINTT5

12 Volt operation only



## Weatherproof



Includes video  
test connector

### HTINTB1

3-9mm auto iris lens

### HTINTB2

5-50mm auto iris lens

## Tamper Resistant

Includes  
video  
test  
connector



### HTINTD3

3-9mm auto iris lens

### HTINTD4

5-50mm auto iris lens

## Intensifier™ Series Specifications

Resolution . . . . .	580 TV lines
Intensifier™ . . . . .	Built-in (selectable from 2x - 256x)
Image Device . . . . .	1/3" Sony HQ1™ with customized DSP CCD (410K pixels)
Minimum Illumination . . . . .	.002 lux (Intensifier™ mode) .03 lux (shutter)
Speco Light Compensation (SLC/WDR) . . . . .	OFF / LOW / MIDDLE / HIGH / HLC
White Balance . . . . .	ATW / AWC / MANUAL
S/N Ratio . . . . .	50 dB (weight on)
Video Output . . . . .	1.0 V(p-p) NTSC composite, 75Ω / BNC connector + video test port
Electronic Shutter Speed . . . . .	1/60 - 1/200,000 sec.
On-Screen Display (O.S.D.) . . . . .	Built-in
Gain Control . . . . .	AGC-L, AGC-H, AGC-M OFF, selectable,
Digital Noise Reduction . . . . .	ON / LOW / MIDDLE / HIGH
Privacy Function . . . . .	ON / OFF (4 programmable zones)
Power Consumption . . . . .	230mA
Power Requirements . . . . .	12 Volts DC and 24 Volts AC, internal isolation (Dual Voltage), except VLINTT5
Lens Type . . . . .	HTINTB1 & HTINTD3: DC varifocal auto iris 2.8mm-11mm HTINTB2 & HTINTD4: DC varifocal auto iris 5mm-50mm VLINTT5 & HTINTT5 accepts "CS" type lenses
Total Pixels . . . . .	811 (H) x 508 (V), 1/3" CCD
Effective Pixels . . . . .	768 (H) x 494 (V), 1/3" CCD
Maximum Aperture Ratio . . . . .	1:1.3 - 2.0
Scanning System . . . . .	2:1 Interlace 525 lines / 60 Fields / 30 Frames
Synchronization . . . . .	Internal / line lock selectable
Motion Detection . . . . .	4 adjustable zones & Relay outputs
Operating Temperature . . . . .	-20°F to +120°F
Operational Humidity . . . . .	30% - 95% RH

**INTENSIFIER™ 2**

See In The Dark Without IR LEDs!\*

See pg. 80 for Flush Mount Kit - DFM2. See page 78 for Compatible Camera Mount Accessories

\*Requires only 0.002 lux



## Miniature Weatherproof/Tamper Resistant High Performance Color Dome Camera with Chameleon™ Cover - Built-In 3-Way Mount Allows For Wall or Ceiling Mount

### High Resolution Model with Intensifier™: HT647HRT

**Can withstand hits from a 10lb. sledgehammer!**

- 580 line high resolution
- 1/3" Sony HQ-1™ (HT647HRT)
- 0.002 lux
- 3.6mm wide angle lens coverage - optional lenses available
- 1/60 to 1/100,000 sec.
- 1 Vp-p/75 ohms (BNC connector)
- 0.45 Gamma correction
- 120mA current consumption
- Video S/N ratio more than 50dB
- 12 Volts DC power supply included (UL/CSA listed)
- Operating temperature -14°F to 122°F
- Dimensions 4" Diameter x 2.5" H
- Weight 10.5 oz.

Paintable Chameleon™ Cover

**INTENSIFIER<sup>2</sup>**  
See In The Dark Without IR LEDs!\*



**Includes video test connector**



See pg. 80 for Mounting Accessory: Flush Mount Kit - DFM2

## Miniature Weatherproof/Tamper Resistant High Performance Color Dome Camera with Chameleon™ Cover, Built-In 3-Way Mount Allows For Wall or Ceiling Mount

### Standard Resolution CVC647TP

**Can withstand hits from a 10lb. sledgehammer!**

- 420 lines resolution
- Sony 1/4" Super-HAD™ CCD sensor (CVC647TP)
- 1.0 lux / 0.5 lux, F2.0
- 3.6mm wide angle lens coverage - optional lenses available
- 1/60 to 1/100,000 sec.
- 1 Vp-p/75 ohms (BNC connector)
- 0.45 Gamma correction
- 120mA current consumption
- Video S/N ratio more than 50dB
- 12V DC power supply included (UL/CSA listed)
- Operating temperature -14°F to 122°F
- Dimensions: 4" Diameter x 2.5" H
- Weight 10.5 oz.

Paintable Chameleon™ Cover



## Color or B/W Dome Camera with Smoked Dome Housing

**CVC645DC**  
**CVC645DCW**  
**CVC185DC**

Color version with black housing  
Color version with white housing  
B/W version

**B/W Version** 420 line resolution • 0.02 lux • 1/3" CCD format • 3.6mm lens  
**Color Version** 420 line resolution • 0.92 lux • 1/4" CCD format • 2.9mm lens

- Can be rotated 360° • Tilt angle +/- 90° • Built-in electronic shutter
- Video output/BNC • Color domes have built-in test connectors
- Regulated 12V DC power supply (UL & CSA listed) included
- Dimensions: 4" Diameter x 2.5"H



**Includes video test connector**



\*Requires only 0.002 lux



B/W lens options include 2.5mm, 6mm, 8mm, & 12mm. Color lens options include UWA (2.2mm), 3.6mm, 6mm, 8mm, 12mm, & 16mm. Please inquire on specific model availability & pricing.

Includes video  
test connector

HTB10X



Includes video  
test connector

HT7816DNV



INTENSIFIER<sup>2</sup>

HTINTB4



Includes video  
test connector

## 10X Optical Motorized Zoom!

- 580 lines resolution (IR on)
- 560 lines resolution (IR off)
- 3.8-38mm auto iris motorized zoom lens
- 1/4" Sony Super-HAD™ CCD
- On board controls
- **Split Glass Technology**
- **Minimum illumination:**  
30 IR LEDs - 0.1 Lux LED OFF  
0 Lux (up to 130 ft. range) LED ON
- **Electronic Shutter:**  
Auto: 1/60~1/100,000 sec.  
Manual : 1/60, FLK(1/120),  
1/250, 1/500, 1/1,000, 1/2,000,  
1/4,000, 1/10,000
- **On-Screen Display (OSD)**
- **Optical Zoom 10X - RS-485 control**
- **Digital Zoom 10X**
- Dual voltage: 12V DC/24V AC  
@ 230mA
- S/N Ratio more than 46dB  
(weight on)
- **Weatherproof operation**
- Operating Temperature:  
-20°F to 140°F
- **Dimensions:** 3.1" W x 3" H x 6.8" L
- **Weight:** 3.3 lbs.
- **Warranty:** 5 years

## True Day/Night

- 600 lines resolution (IR on)
- 550 lines resolution (IR off)
- 2.8-12mm auto iris varifocal lens
- 1/3" Sony Super-HAD™ CCD
- **Split Glass Technology**
- **Minimum illumination:**  
30 IR LEDs - 0.5 Lux LED OFF  
0 Lux (up to 130 ft. range) LED ON
- **Electronic Shutter:**  
1/60~1/100,000 sec. (NTSC)  
[at ELC Mode]
- Dual voltage: 12V DC/24V AC  
@ 230mA
- S/N Ratio more than 50dB
- Weatherproof operation
- Operating Temperature:  
-20°F to 122°F
- **Dimensions:** 3.1" W x 3" H x 6.8" L
- **Weight:** 3.3 lbs.
- **Warranty:** 5 years

## Intensifier™!

- 580 lines resolution (IR on)
- 520 lines resolution (IR off)
- 3.8-9.5mm auto iris varifocal lens
- 1/3" Sony Super-HAD™ CCD
- **Split Glass Technology**
- **Minimum illumination:**  
30 IR LEDs - 0.5 Lux LED OFF  
0.02 Lux / F1.2 with IR OFF  
(40IRE, AGC Middle, DNR Low),  
0 Lux / F1.2 with IR ON  
(40IRE, AGC Middle, DNR Low)  
**0.002 in Intensifier™ mode**
- **Electronic Shutter:**  
1/60~1/100,000 sec. (NTSC)  
[at ELC Mode]
- **On-Screen Display (OSD)**
- SLC (Speco Light Compensation)  
low, middle, high, off selectable
- Dual voltage: 12V DC/24V AC  
@ 230mA
- S/N Ratio more than 50dB  
(weight on)
- **Weatherproof operation**
- Operating Temperature:  
-20°F to 122°F
- **Dimensions:** 3.1" W x 3" H x 6.8" L
- **Weight:** 3.3 lbs.
- **Warranty:** 5 years

# Indoor/Outdoor High Performance PTZ Dome Camera

The CVC927PTZ dome camera and accessories make up the building blocks of your most sophisticated surveillance/security systems. Using multiple keyboard controllers and speed dome cameras, no place is too large for monitoring. Extendable and flexible architecture facilitates remote control functions for a variety of configurations.



## Features:

- 18x times optical power zoom camera with True Night Shot function
- 4.8" dome • 240 preset positions
- Image masking & blocking
- Day/night operation
- Wide dynamic range operation
- 8 tours consist of preset, pattern, auto-scan. Other tours can be programmed with 240 functions and preset location. While moving, each preset scan can be watched in smooth vector scan mode
- 8 Auto scans including vector scan
- Auto flip rotates 180° at bottom of tilt
- 0° to 90° tilt angle (user selectable to prevent obstruction of the horizontal view)
- 4 patterns (240 second) • 8 Privacy zones
- 8 Alarm inputs/4 Aux outs (NC & NO)
- Variable speed from 0.1°/sec to 90° sec. Turbo speed is Max 360°/sec. Pan/tilt speed is inversely proportional to the zoom ratio. Maximum speed is 380°/sec • Programmable user preferences (alarm, preset, title, etc.)
- Up to 999 selectable camera addresses
- Auto sensing- PTZ protocol RS-485/422 receiver/driver
- Built-in power-line surge protection and lightning protection
- Clear bubble with black liner (shelter) for concealing the camera
- Optional, indoor & outdoor pendant housing with heater & blower, indoor flush mount, parapet mount & roof top mount
- 8 Alarm inputs - 4 alarm outputs- multiple protocols - operates from many controllers & DVRs

**Data Bank** - Allows for dome settings to be saved temporarily in the keyboard for uploading to a replacement dome

**Night Mode** - Switches to B/W at .2 lux

**Slow Shutter** - Automatically slows the shutter speed to capture more existing light when required.

## Specifications

<b>Horizontal Resolution</b>	480 Lines
<b>Image Sensor</b>	1/4" ExView™ color CCD
<b>Picture Elements</b>	NTSC: 768 x 494 Approx.
<b>Lens</b>	18x Optical zoom, 4.1mm to 73.8mm with auto focus, 12x digital zoom, F1.4 to F3.0
<b>View Angle</b>	Approx. 48° (WIDE) to 2.7° (TELE)
<b>Minimum Illumination</b>	0.7 Lux , 0.15 lux (1/4s) in night mode 0.01 lux (1/4s with IR cut filter removed)
<b>S/N Ratio</b>	More than 60dB
<b>Input Voltage</b>	18 to 30 VAC; 24 VAC nominal, built-in power-line surge
<b>Power Requirement</b>	24 VAC 850mA - use model PSW6 or Equal
<b>Power Consumption</b>	Maximum 20W
<b>Alarm Output</b>	4 Normal relays 24 VDC/ 1A max (selectable NC/NO)
<b>Alarm Input</b>	8 Normal dry contact (selectable NC/NO)
<b>Control</b>	RS-485/422 baud rate: 2400 - 230k bps (default: 9600bps) Auto sensing
<b>Access Time</b>	0.75 Second maximum preset recall time
<b>ID (Camera Address)</b>	999 (Factory mode selectable over 999 camera)
<b>Pan Angle</b>	360° continuous rotation
<b>Speed</b>	0.5° to 90°/sec. (proportional to zoom) 360°/sec. maximum (with CTRL/PGM key pressed) Preset speed: 380/sec.
<b>Auto Flip</b>	Rotate 180° at bottom of tilt
<b>Auto Scan</b>	8 Auto scan include vector scan
<b>Preset Position</b>	240 positions with camera status (16-character title)
<b>Tour</b>	8 Tours
<b>Pattern</b>	4 patterns, 240 seconds
<b>On-Screen Display</b>	Displays camera ID and area name on screen
<b>Operating Temperature</b>	32° F to 122° F, extendable with WH927
<b>Operating Humidity</b>	0 to 90% RH (non-condensing)
<b>Storage Temperature</b>	4° F to 140° F
<b>Dimensions</b>	8" H x 5" Diameter
<b>Weight</b>	2.5 lbs.
<b>Warranty</b>	5 years

See Next Page for Controller and Accessories .....➡





## Keyboard Controller

KBDPTZ1

This Speco Technologies keyboard controller is capable of controlling up to 32 speed domes.

### The keyboard controller features:

Capability to control a camera's panning and tilting movement with variable speed from 0.5°/sec to 90°/sec as well as its zoom, focus and iris command. Normal speed is inversely proportional to the current zoom ratio. Turbo speed is Max 380°/sec when **Ctrl** key is pressed.

Defines and recall up to 240 presets, which are immediate camera call-ups of preset position view with automatic zoom and focus.

The ability to define and run up to 8 patterns which comprise a sequential series of pan, tilt, zoom and focus movements from a single camera.

Defines and run up to 8 scans which scan between two limits.

Incorporates up to 300 of the presets, patterns, scan and tour itself in up to 8 tours where the presets, patterns and scan are automatically displayed one after the other on the Main monitor.

Programmable user preferences (alarm, preset, title, etc.).

Administrator and user - two levels of passwords are supported for higher security.

USB Mouse can be used to control T series DVRs

Programmed data from up to two domes can be downloaded to non-volatile memory space in KBD, and uploaded to a new dome.

### Specifications:

**Power Consumption** ..... 12VDC, 0.5W

**Control Method** ..... RS-485

**Baud Rates** ..... 2400 - 230K bps

**Dimensions** ..... 15" x 6.5" x 2.75"

**Weight** ..... 2.5 lbs.

**Power Supply** ..... Included

## Weatherproof and Indoor Housings

The Speco Dome camera housings are constructed of aluminum steel and plastic. The sleek design is made to be mounted on both wall and ceiling. The housing meets international IP65 standard for dust and moisture.



WH927 & IH927

### Specifications:

**Power Source** ..... 24VAC, 50/60Hz

**Power Consumption** ..... Heater 50 watts, Blower 6 watts  
Dome Camera 20 watts

**Construction** ..... Aluminum, steel and plastic (ABS)

**Finish** ..... Polyester powder coat

**Dome Bubble** ..... Plastic (Acrylic)

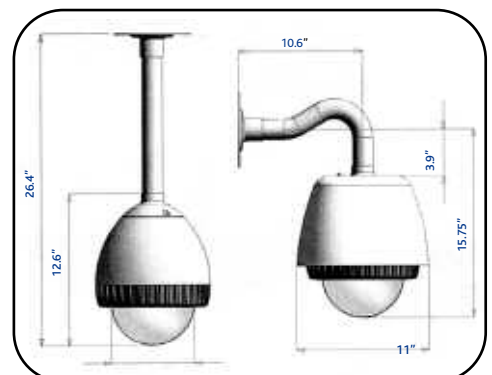
**Ambient Environment Temperature** ..... -45°C to 50°C

**Ratings** ..... IP 65

**Dimensions** ..... See diagrams

**Weight** ..... 9.5 lbs. (sunshield included)

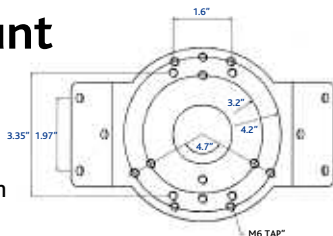
**Power Requirement** ..... 24 VAC 850mA - use model PSW6 or Equal



## Corner Mount CM927

### Features:

- Low cost
- Die cast and aluminum
- Easy to install



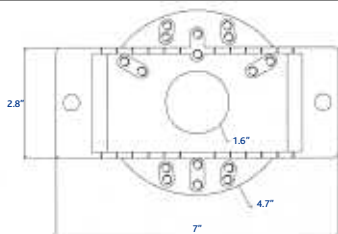
### Specifications:

**Enclosure mounting** . . . . .Ten (10) M6 x 15mm hex head Machine screw (supplied)  
**Construction Finish** . . . . .Die cast aluminum  
**Finish** . . . . .Light-gray polyester powder coat  
**Maximum load** . . . . .63.5 lbs.  
**Dimension** . . . . .See diagram above  
**Weight** . . . . .1.31 lbs.

## Pole Mount PM927

### Features:

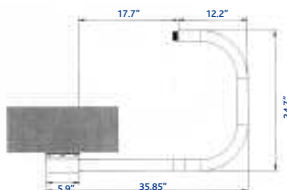
- Low cost
- Die cast and aluminum
- Easy to install



### Specifications:

**Enclosure mounting** . . . . .Ten (10) M6 x 15mm hex head Machine screws (supplied)  
 Two (2) M10 x 90mm hex head Machine screws (supplied)  
 Two (2) M10 hex nuts (supplied)  
**Construction Finish** . . . . .Die cast aluminum  
**Finish** . . . . .Light-gray polyester powder coat  
**Maximum load** . . . . .63.5 lbs.  
**Dimension** . . . . .See diagram above  
**Weight** . . . . .2.12 lbs.

## Parapet Mount PMT927



### Specifications:

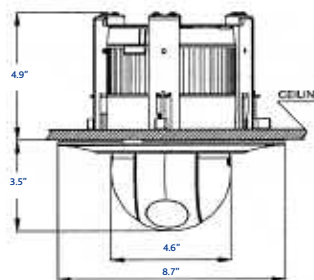
**Construction Finish** . . . . .Aluminum, steel & stainless hardware  
**Finish** . . . . .Light-gray polyester powder coat  
**Maximum load** . . . . .20 lbs.  
**Dimension** . . . . .See diagram above  
**Weight** . . . . .23 lbs.

## Flush Mount Hardware FLM927

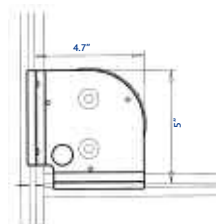
This mounting device enables the dome camera to be mounted to the suspended ceiling. The mounting clamps which are affixed to the ceiling tile, attach directly to the dome's mounting base for a quick and easy installation.

### Specifications:

**Construction** . . . . .Steel and injection molded plastic  
**Maximum Load** . . . . .Approx. 4.4 lbs.  
**Dimensions** . . . . .See diagram below



## T-Bar Mounting Adapter TBM927



The mount enables the dome to be mounted to the T-bar of a suspended ceiling. The mounting clamps, which are affixed to the T-bar, attach directly to the dome's mounting base for a quick and easy installation.

### Features:

- Easy to install
- Indoor applications
- Steel construction
- Cable feed through hole conceals wiring
- Light duty ceiling mount

### Specifications:

**Construction** . . . . .Steel 1.6t  
**Maximum Load** . . . . .Approx. 4.4 lbs.  
**Finish** . . . . .Light-gray polyester powder coat

Specifications subject to change



## High Resolution Motorized Color Dome Cameras with Varifocal Lens or Motorized Zoom Lens



### Features

#### HT650PT10X

(3.8-38mm 10X Motorized Optical Zoom with 10X Digital Zoom)

- 560 lines color resolution
- 580 lines B/W resolution
- Motorized Pan & Tilt, Remote Controlled
- 10X Optical Zoom
- 3.8-38mm motorized zoom lens
- RS485 communication
- 64 pre-set positions
- Pans up to 93 degrees per second
- Adjustable speeds
- Sequential, auto & random pan modes
- Vandalproof, weatherproof rated @ IP66
- Ready for ceiling mounting
- Compatible with 650WMT and 650CMT optional mounting brackets & 650JBMT junction box
- Control from our RC650 remote control or Pelco D 2400 protocol
- Includes 12 Volt DC power supply

#### HT650PTDZ

(4-9mm varifocal lens with 3X Digital Zoom)

- 560 lines color resolution
- 580 lines B/W resolution
- Motorized Pan & Tilt, Remote Controlled
- 3X Digital Zoom
- 4-9mm auto iris varifocal lens
- RS-485 communication
- 64 pre-set positions
- Pans up to 93 degrees per second
- Adjustable speeds
- Sequential, Auto & Random pan modes
- Vandalproof, weatherproof
- Ready for ceiling mounting
- Compatible with 650WMT and 650CMT optional mounting brackets & 650JBMT junction box
- Control from our RC650 remote control or Pelco D 2400 protocol
- Includes 12 Volt DC power supply



## For Your Toughest Lighting Situations!

Pixim's patented Digital Pixel System (DPS) technology marks a fundamental breakthrough in imaging technology. Pixim has created an image capture and processing system that provides high-quality pictures with enhanced dynamic range that significantly improves image quality in scenes consisting of both bright and dark areas.

The core invention in DPS is the inclusion of an analog to digital converter (ADC) within each pixel of the image sensor. The ADC translates the light signal into a digital value at the immediate point of capture, thus minimizing signal degradation and cross-talk in the array allowing for greater noise reduction methods.

Get up to 10x more recorded information onto your HDD.



Lens not included



### WDRT6

Accepts C & CS type lenses, Dual Voltage

Includes video test connector



### IPWDRB1

IP Server  
Built-Into Camera  
3-9mm auto iris lens

### WDRB1

3-9mm auto iris lens

NEW



### CVC624WDR

CVC624WDRW white  
2.8-11mm auto iris lens  
12V DC @ 120mA

See pg. 80 for Flush Mounting  
Accessory: DFM2



### WDRD3

3-9mm auto iris lens  
Includes video test connector

## WDR Specifications

Resolution	540 TV lines horizontal x 460 lines vertical
Lens	See above
Image Sensor	1/3" Pixim ORCA CMOS platform
Total Pixels	742(H) x 552(V)
Minimum Illumination	0.08 Lux (DSS on)
Electronic Shutter	1/60 - 1/100,000 seconds
Color Balance	Multiple selectable factory pre-sets for most common situations. Full manual override for special applications.
Video Output	1.0 Vp-p into 75 ohm composite
TV System	NTSC/PAL selectable
Scanning System	525 lines interlaced / 625 lines interlaced / Progressive Scan
Synchronization	Internal / External / Line Lock
S/N Ratio	More than 52dB
Dynamic Range	120dB (max), 10dB (typical)
AGC Control	0 - 60dB
OSD Menu Control	4-directional switch with a center push TACT switch
Gamma Characteristic	0.45 NTSC - 0.36 PAL
Power Supply	24 Volts AC, 12 Volts DC - dual voltage
Power Consumption	Max. 600mA
Operating Temperature	-20°F to 122°F

See page 78 for Compatible Camera Mount Accessories



## Weatherproof, Day/Night High Resolution Color Bullet Camera

HT7715DNV Grey Housing

HT7715DNVW White Housing



DAY NIGHT



**Includes video  
test connector**

All H.E.A.T.™ - High End Advanced Technology cameras offer excellent color performance, ultra high resolution, light capability of 0.03 lux or lower, low smear level (prevents glare), pre-set auto exposure, and Turbo AGC (Automatic Gain Control). All H.E.A.T. bullet cameras are weatherproof. Cabling runs through the mount on selected models for added security.

### Features

- 1/3" SONY Super-Had HQ-1 DSP CCD sensor - 560 TV lines of resolution
- Split Glass Technology- avoids IR reflections
- Auto iris DC Varifocal Lens (4mm-9mm)
- LUX level dip switch adjusts day/night settings to your requirements
- Dual voltage operation
- Built-in 18 IR LEDs (80' Range\*) & CDS sensor for day/night performance
- Controls for BLC, ELC, F/L and L/L
- Video Test Connector for easy install
- Built-in heater extends operating range and avoids condensation
- Weatherproof operation
- Excellent low light level performance - 0.03 Lux in existing light, 0.0 Lux with IR LEDs
- Insulated mount reduces ground loops
- Cable runs through mount for protection

### Specifications

Image Sensor	1/3" Sony Super-Had HQ-1™ DSP CCD
Resolution	560 lines
Minimum Illumination	0.03 lux (IR off) 0.00 lux (IR on)
Lens	DC Auto iris, 4mm-9mm (Varifocal)
CDS Sensor	Photoconductive Cells - Adjustable
Electronic Shutter	1/60 - 1/100,000 seconds
Video Output	1.0 Vp-p into 75 ohms composite
TV System	NTSC
Scanning System	2:1 Interlace
Sync System	Line Locked/ Adjustable V-Phase Line Lock/Internal On-Off
S/N Ratio	More than 60dB
Gamma Characteristic	0.45
Power Consumption	20VA/600mA
Power Requirements	24 Volts AC, 12 Volts DC - Dual Voltage
Operating Temperature	-20°F to 122°F - RH 95%
Dimensions	2.4" W x 2.25" H x 7" L
Weight	1 lb.
Warranty	5 Years

**NOW WITH  
MORE  
POWERFUL  
LEDs &  
Higher  
Resolution  
Lens!**

See page 78 for Compatible Camera Mount Accessories

\*Depending on scene reflection



## Weatherproof, Day/Night High Resolution Color Bullet Camera

**HT7815DNV**

**HT7815DNVW** White Housing

2.8-12mm VF lens

48 Mini IR LEDS (150' Range)

**HT7915DNV**

**HT7915DNVW** White Housing

5-50mm VF lens

24 IR LEDS + 6 Super IR LEDS (330' Range)

**All  
Controls  
Accessible  
on Bottom  
of Camera**



**Includes video  
test connector**

### Features

- External lens control of zoom and focus
- Split Glass Technology eliminates IR reflections
- Mechanical day/night IR cut filter
- Lux level dip switch controls when the camera switches into B/W mode
- CDS sensor
- UTP function built-in for use with twisted pair wiring in addition to standard coax
- 1/3" SONY Super-Had HQ-1 CCD
- Day/night DC varifocal auto iris lens (3mm-9mm)
- Video test connector for easy installation
- Dual voltage operation
- Built-in heater extends operating range and eliminates condensation
- Weatherproof sunshield
- Rear panel controls (BLC, ELC, F/L, L/L)
- Turbo AGC • Heat sink body
- Insulated mount reduces ground loops
- Cable runs through mount for protection

### Specifications

Image Sensor	1/3" Sony Super-Had HQ-1™ DSP CCD
Resolution	560 lines
Minimum Illumination	.003 lux (IR off) 0.00 lux (IR on)
Lens	Day/Night DC Auto Iris Varifocal Lens (2.8mm-12mm) or (5mm-50mm)
CDS Sensor	Photoconductive Cells, Adjustable
Electronic Shutter	1/60 - 1/100,000 seconds
Video Output	1.0 Vp-p into 75 ohms composite
TV System	NTSC
Scanning System	2:1 Interlace
Sync System	Line Locked/ Adjustable V-Phase Line Lock/Internal On-Off
S/N Ratio	More than 60dB
IR/Cut Filter	Mechanical - Auto Adjusts when required
Power Consumption	700mA Maximum
Power Requirements	24 Volts AC, 12 Volts DC - Dual Voltage
Operating Temperature	-20°F to 122°F - RH 95%
Dimensions	3.125" W x 3.5" H x 12" L
Weight	3 lbs.
Warranty	5 Years

**NOW WITH  
MORE  
POWERFUL  
LEDS!!!**

See page 78 for Compatible Camera Mount Accessories

\*Depending on scene reflection



## Color Day/Night Weatherproof Camera with SuperHad™ Technology and Built-In IR Illuminators

### CVC7706DNV

- Mechanical IR filter gives best color by day & IR sensitivity at night
- Split Glass Technology to avoid IR reflections
- Built-in heaters
- 48 Built-in IR LEDs
- Coated front glass to eliminate IR glare & resist moisture build-up
- Insulated mount reduces ground loops



*Cable routed through mount for extra security*

**Includes video test connector**

#### Features

An ideal 24-hour operational camera offering color images by day, and automatically switching to B/W at night. IR range up to 130 ft.\* controlled by a CDS sensor. Mounting bracket protects the cable.

#### Specifications

IR Cut Filter .....	Automatically repositioned as required
Resolution.....	560 lines
Minimum Illumination .....	0.03 lux (IR off), 0 lux (IR on)
Image Device .....	1/3" SuperHad HQ-1™ DSP CCD
Lens .....	DC Auto iris, 2.8-12mm (Varifocal)
Electronic Shutter .....	1/60 - 1/100,000 seconds
Video Output.....	1.0 Vp-p 75 Ohm composite
Power Consumption .....	24 Volts AC @ 20VA, 12 volts DC @ 700 mA maximum
Operating Temperature .....	-20°F to 122°F - RH 95%
Dimensions.....	2.9" W x 2.7" H x 10" L
Weight.....	2.3 lbs.
IR Range .....	130'*
Heaters .....	Built in to extend operating range and eliminate condensation
Warranty .....	5 Years

**NOW WITH  
MORE  
POWERFUL  
LEDs!!!**

See page 78 for Compatible Camera Mount Accessories

\*Depending on scene reflection



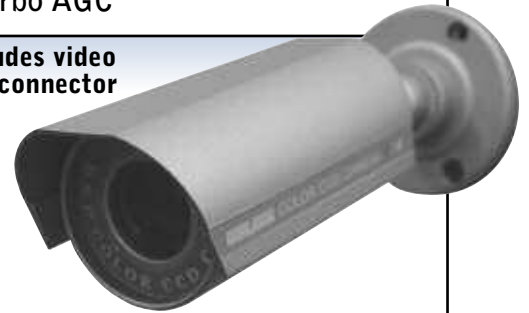
## H.E.A.T.™ Color Weatherproof Day/Night Dual Voltage Camera with 5-50mm DC Auto Iris Lens and Turbo AGC

### CVC550EX

Varifocal 5-50mm auto iris

Resolution ..... Ultra high 560 line  
 Minimum Illumination ..... 0.03 lux  
 Image Device ..... 1/3" color Super-HAD™ image sensor  
 Lens ..... DC Auto iris 5mm- 50mm lens  
 Electronic Shutter ..... Auto 1/60 - 1/100,000 second  
 Synchronization ..... Line lock and adjustable V-phase in 24 Volt AC mode  
 Video S/N Ratio ..... Greater than 50 dB  
 Video Output ..... 1.0 Vp-p into 75 Ohm composite  
 CDS Sensor ..... Photoconductive cells, 10 lux resistance 5-10k Ohm  
 Dual Voltage  
 Power Requirements ..... 24 V AC @ 40VA or 12V DC @ 1amp  
 Power supply not included  
 Gamma Characteristics ..... 0.45  
 Operating Temperature ..... -20°F to 122°F  
 Humidity ..... Within 95%RH  
 Weight ..... 41.3 oz.  
 Dimensions ..... 2.9" W x 2.7" H x 11" D

Includes video test connector



**Built-in heaters,  
day/night  
operation controlled  
by CDS sensor**  
*Cable routed  
through mount  
for extra security*

DAY NIGHT



See page 78 for Compatible Camera Mount Accessories

## H.E.A.T.™ Color Weatherproof Day/Night Dual Voltage Camera with Super-Had™ Technology, Built-In Infrared LEDs Up To 80ft. Range



*Cable routed  
through mount  
for extra security*

**Built-in heaters,  
non condensing glass,  
special IR coating  
enhances IR operation**

### CVC7700DN

Resolution ..... Ultra high 560 line  
 Minimum Illumination ..... 0 lux with operating LEDs, 0.03 with existing light  
 Image Device ..... 1/3" color Super-HAD HQ-1™ image sensor  
 Lens ..... 3.6mm lens  
 Electronic Shutter ..... Auto 1/60 - 1/100,000 seconds  
 Synchronization ..... Line lock and adjustable V-phase in 24 Volt AC mode  
 Video S/N Ratio ..... Greater than 50 dB  
 Video Output ..... 1.0 Vp-p 75 Ohm  
 Power Requirements ..... 24V AC @ 40VA or 12 volts DC @ 1 amp.  
 Power supply not included  
 Operating Temperature ..... -20°F to 122°F  
 Humidity ..... Within 95%RH  
 Weight ..... 12 oz.  
 Dimensions ..... 2.7" W x 2.7" H x 7.2" D

Includes video test connector

DAY NIGHT



See page 78 for Compatible Camera Mount Accessories

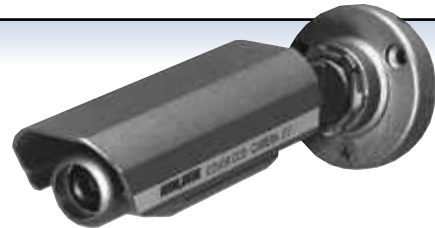
All H.E.A.T™ - High End Advanced Technology cameras offer excellent color performance, ultra high resolution, light capability of 0.03 lux or lower, low smear level (prevents glare), pre-set auto exposure, and Turbo AGC (Automatic Gain Control). All H.E.A.T. bullet cameras are weatherproof-IP67 rated. Cabling runs through the mount on select models for added security.



## Color Bullet Camera with Built-In 3.6mm Lens

### *Cable located in the mount for extra security*

- 470 lines of resolution
- 0.03 lux • 3.6mm fixed lens
- Built-in electronic shutter
- 1/3" Super-HAD\* image sensor
- Includes regulated 12V DC power supply (UL listed)
- 1.3"W x 2.5"H x 5.3"D • 6.1 oz.
- 5 Year warranty



CVC6800EX

## Color Bullet Camera with Built-In 4-9mm Varifocal Lens

### *Cable located in the mount for extra security*

- 470 lines of resolution • 0.03 lux
- 4-9mm varifocal lens
- Built-in electronic shutter
- 1/3" Super-HAD™ image sensor
- Includes regulated 12V DC power supply (UL listed)
- 2.5"W x 2.1"H x 5.8"D • 11.2 oz.
- 5 Year warranty

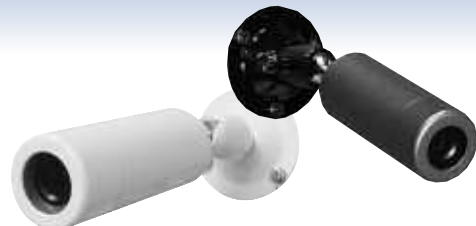


White housing **CVC6805EXW** Gray housing **CVC6805EX**

## Miniature Color Bullet Camera with Built-In 3.6mm Lens

### *Cable located in the mount for extra security*

- 470 lines of resolution
- 0.03 lux • 3.6mm fixed lens
- Built-in electronic shutter
- 1/3" Super-HAD™ image sensor
- Includes regulated 12V DC power supply (UL listed)
- 1"W x 1"H x 2.6"D • 2.0 oz.
- 5 Year warranty



White Housing **CVC637EXW** Gray housing **CVC637EX**



B/W lens options include 2.5mm, 6mm, 8mm, & 12mm. Color lens options include UWA (2.2mm), 3.6mm, 6mm, 8mm, 12mm, & 16mm. Please inquire on specific model availability & pricing.

See page 78 for Compatible Camera Mount Accessories

## High Resolution Color Dome Camera with 2.8-12mm Auto Iris Lens

Resolution	550 lines
Min. Object Illumination	0.3 lux sensitivity
Image Device	1/3" Sony Super-HAD™ CCD
Built In Lens	2.8-12mm F1.4 auto iris lens
Electronic Shutter	1/60-1/100,000 seconds
Synchronization	Internal / line locked in 24V AC mode
Video S/N Ratio	Greater than 48dB
Video Signal Output	Composite Video, 1 Vp-p into 75 ohms, test connection
Power Consumption	300mA (DC) / 4W (AC)
Power Requirements	Dual voltage operation: 12V DC & 24V AC
DIP Switches	BLC, FLK, AGC AND AES/AI
Gamma	0.45
Mechanical Construction	Polycarbonate housing with lined dome cover
Scanning System	525 lines interlaced
Operating Environment	14°F to 122°F
Dimensions	5.5" Dia. x 3.5" H
Weight	12 oz.
Accessories	Wall/ceiling mountable with 3-axis mount & template included



**550 Lines Resolution**  
**Wall or Ceiling Mount**  
**Dual Voltage Operation**

**CVC6146HR**

## High Resolution Color Dome Camera, 2.8-12mm Auto Iris Lens with Full OSD and 12VDC / 24VAC Dual Voltage Operation

Resolution	550 TV line
Minimum Illumination	0.5 lux
Image Pick-Up Device	1/3" Sony Super-HAD™ CCD
Lens	2.8-12mm auto iris varifocal lens
Effective Pixels	768(H) x 494(V)
Scanning System	2:1 Interlace
Synchronization	Internal
S/N Ratio	More than 50dB
Power Requirements	12 Volts DC Required - Speco PSW5



**3 WAY  
AXIS MOUNT**

**CVC6146SCS**  
**CVC6146SCSW**

Indoor Dome with 2.8-12mm lens

See pg. 42 for our full line of On Screen Display Models  
 See page 78 for Compatible Camera Mount Accessories

## Dome Flush Mount Kit

- Back box easily flush mounts into hollow walls and ceilings.
- Flush mount box is secured with the use of four EZ mount retaining clamps.
- Perfect for existing construction.
- Preconfigured to fit several types of Speco tamperproof and indoor dome cameras



**DFM2 & DFM3**

See pg. 80 for more information



**CVC6705SCS**  
Weatherproof bullet with  
4-9mm varifocal lens



**CVC700VFSCS**  
Miniature Indoor Color  
Board Camera



**CVC6700SCS**  
Weatherproof bullet  
with 6mm lens



**CVC6146SCS**  
**CVC6146SCSW**  
Indoor Dome with 2.8-12mm lens  
12VDC / 24VAC Dual Voltage Operation

See pg. 81 for  
Mounting  
Accessory: Flush  
Mount Kit - DFM2

**Includes video  
test connector**



**CVC700HRSCS**  
Miniature with  
4mm board lens



**CVC627SCS**  
Weatherproof bullet with  
IR LEDs & 6mm lens



**Includes video  
test connector**

## Weatherproof OSD Camera with IR LEDs & Varifocal Lens

- 540 TV Lines
- Third Generation DSP Chip
- 1/3" Sony Super HAD CCD™
- True Day/Night  
(ICR-IR Cut Filter Removable)
- 2.8-12mm Auto Iris Varifocal Lens
- External Control Rings for  
EZ Focus and Distance Adjustment
- 12V DC/24V AC Dual voltage operation
- EZ Mount Bracket

**CVC627VFSCS**  
Weatherproof Bullet with 2.8-12mm lens



**CVC770PHSCS**  
Miniature with 3.7mm  
conical pinhole lens

## Full OSD control of all major camera functions:

- Lens** – Controls the brightness of the auto iris lens
- Exposure** – Control Shutter Speed, AGC, Back Light Compensation and Wide Dynamic Range
- White Balance** – ATW, Outdoor, Indoor, Manual, AWC and AWB
- Day/Night** – Select Color, B/W or Auto Select
- S-DNR** – Speco Dynamic Noise Reduction
- Camera Titles** – Up to 15 Characters
- Mirror Image** – Horizontal and Vertical
- Digital Zoom** – Up to 10X
- Privacy Screens** – Up to 8 Zones

**All cameras include mounting brackets**

## Specifications

Resolution . . . . .	540 TV line
Image Pick-Up Device . . . . .	1/3" Sony Super-HAD™ CCD
Effective Pixels . . . . .	768(H) x 494(V)
Minimum Illumination . . . . .	0.5 lux
Scanning System . . . . .	2:1 Interlace
Synchronization . . . . .	Internal
S/N Ratio . . . . .	More than 50dB
Power Requirements . . . . .	12 Volts DC Required- Speco PSW5



**NO MORE RETURN TRIPS  
TO RE-FOCUS CAMERA**

**Full OSD control of all  
major camera functions**

**FOCUS  
FREE  
EQUALS  
WORRY  
FREE**

**VLD7SCSFF**  
Weatherproof  
Dome Camera

**VLD8SCSFF**  
Weatherproof  
Dome Camera

**VLB11SCSFF**  
Weatherproof  
Bullet Camera  
with IR LEDs

## FULL OSD CONTROL OF ALL MAJOR CAMERA FUNCTIONS

- Camera Titles-On/Off easy user setup
- Day/Night-Auto/Color/BW
- Privacy Screens-Easy /setup & dynamic control
- Adjustable Contrast/Sharpness/etc.
- Lens Type-DC auto iris or manual
- Shutter Type\*-Manual, fixed, flickerless or auto
- BLC-Adjustable sensing area points
- AGC-On/Off • White Balance -ATW, AWB,  
Fixed (presets) or manual control

\*Not needed on certain models

**NEW**

**CVC6146SCSFF** Black Housing  
**CVC6146SCSFFW** White Housing

## COMMON SPECIFICATIONS

- 550 TV lines resolution
- FOCUS FREE TECHNOLOGY
- Full OSD control
- Digital zooming up to 32X
- 3.7-10mm Motorized auto iris lens
- 1/3" Sony Super-HAD™ CCD  
Image Sensor

- Minimum illumination 0.3 Lux
- Featuring HLC, WDR & BLC  
for enhanced backlight operation
- Speco DNR-This can remove image  
noise efficiently showing clean  
images in low light conditions

- Multiple color temperature settings
- Built-in On-Screen Display (OSD)
- 12V DC operation
- On board controls

**Includes video test connector**

**See page 78 for Compatible  
Camera Mount Accessories**



The DFM3 Dome Flush Mount Kit allows select Speco Technologies dome cameras to be flush mounted into walls and ceilings.

**Compatible dome camera models:**  
**VLD7SCSFF, HT7248FFi**

## Color Day/Night Weatherproof Camera with Built-In IR LEDs and Split Glass Technology

**CVC627** silver case  
12V DC Regulated power supply included (UL/CSA Approved)

**DAY/NIGHT**



**CVC627W**  
white case  
5' cable



**CVC627B**  
white case  
5' cable



### Features

Day/Night Operation..... 20 built-in LEDs controlled by a CDS sensor allow this color camera to see a perfect b/w picture in the dark at distances up to 45'\*  
Weatherproof ..... Can stand up to any type of weather  
Attractive Housing ..... Available in white, black and silver to match any decor

### Specifications

Horizontal Resolution	. . . . . 420 Lines
Min Illumination	. . . . . 0.1 lux (LED off), 0 lux (LED on)
Camera Type	. . . . . Water resistant color day/night
Image Sensor	. . . . . 1/4" Super-HAD™ image sensor
Lens	. . . . . 3.6mm
Iris	. . . . . Electronic shutter
Electronic Shutter Speed	. . . . . 1/60 to 1/100,000 second
Effective Pixels	. . . . . 510 (H) x 492 (V) Pixels
TV Standard	. . . . . NTSC
Sync Type	. . . . . Internal
Scanning System	. . . . . 2:1 Interlace
Video Output	. . . . . 1 Volt p-p into 75 ohms
Gamma Characteristics	. . . . . 0.45 type.
S/N Ratio	. . . . . 48 dB
Gain Control/Back Lighting	. . . . . Automatic
Operating Temperature	. . . . . -14°F to 120°F
LED	. . . . . 20 LEDs controlled by CDS sensor, 45' range*
Construction	. . . . . Waterproof, aluminum, removable/adjustable sunshield, reflective IR booster
Current Consumption	. . . . . 150 mA (LED off), 330 mA (LED on)
Power Supply	. . . . . 12V DC regulated power supply included (UL/CSA approved) (500MA)
Mount	. . . . . Stainless steel universal wall/ceiling mount included
Dimensions	. . . . . 2.75" Diameter x 3.65" (L)
Weight	. . . . . 12.5 oz.
Cable	. . . . . 60' of power/video cable (on CVC627) 5' of power/video cable (CVC627W and CVC627B)

**NOW WITH  
MORE  
POWERFUL  
LEDs**

\*Depending on scene reflection

### Weatherproof bullet with IR LEDs, 6mm Lens & Full OSD

Resolution	. . . . . 540 TV line
Image Pick-Up Device	. . . . . 1/3" Sony Super-HAD™ CCD
Effective Pixels	. . . . . 768(H) x 494(V)
Minimum Illumination	. . . . . 0.5 lux
Scanning System	. . . . . 2:1 Interlace
Synchronization	. . . . . Internal
S/N Ratio	. . . . . More than 50dB
Power Requirements	. . . . . 12 Volts DC Required - Speco PSW5



Also see pgs. 42 & 43 for our full line of On Screen Display Models

**CVC627SCS**



## Color Weatherproof Day/Night Camera For Marine Use

- 420 line resolution
- 0.1 lux (LED off) 0 lux (LED on)
- 12 LEDs controlled by CDS sensor, up to 45' range
- 1/4" Color CCD
- 2.9mm lens for wide-angle coverage
- Built-in electronic iris
- Power consumption: 12V DC @ 230mA
- Brass housing construction
- 10' of power/video cable
- CVC672MR-Reverse view for use on the back of a boat
- White Housing
- Dimensions: 2.75" Dia. x 3.65" (L)
- Weight: 12.5 oz.



DAY NIGHT



CVC627M  
Reverse Image CVC627MR

## Color Day/Night Weatherproof Camera For Marine Use

- 420 line resolution
- 0.1 lux (LED off), 0 lux (LED on)
- 21 LEDs controlled by CDS sensor, up to 45' range
- 1/3" Color CCD
- 3.6mm lens for wide angle coverage
- Built-in electronic iris
- Power requirements: 12V DC @ 230mA
- Brass housing construction
- Can withstand full immersion in water and stand up to any type of weather
- 10' of power/video cable
- CVC678MR-Reverse view for use on the back of a boat
- Dimensions: 2.75" Dia. x 3.65" (L)
- Weight: 12.5 oz.



DAY NIGHT



Cable Through Mount CVC628M  
Reverse Image CVC628MR

See page 78 for Compatible Camera Mount Accessories

## Weatherproof Color Bullet Camera with 60 Infrared LEDs

- 420 line resolution
- 0 lux (IR illuminator on)  
1.0 lux (IR illuminator off)
- 60 LEDs, up to 60' range
- 1/4" color CCD
- 3.6mm lens
- Built-in fan operates when LEDs are active
- Switches to B/W in IR mode
- Power consumption: 12V DC @ 330mA
- Auto white balance
- Auto back light compensation
- Internal synchronization
- Regulated 12V DC power supply (UL & CSA listed) included
- Dimensions: 4.7"L x 2.8"W x 2.8"H



DAY NIGHT



CVC960IR

## B/W Waterproof Camera with 8 IR LEDs & 60' Cable

- 420 line resolution
- 0 lux (when IR LEDs are active)
- 8 IR LEDs • 1/3" B/W CCD camera
- 3.6mm fixed focus lens
- CDS sensors turn IR LEDs on/off
- Built-in electronic iris
- Max. operating depth: 90 ft.
- Brass housing construction
- Cable, mounting bracket & regulated 12V DC power supply included (UL & CSA listed)
- 2"L x 1.5"W x 1.5"H
- 7.4 oz.
- Warranty 5 years



**Nitrogen filled to protect internal components**

**CVC320WP**

60 ft. cable & Black housing

**CVC320WPW**

3 ft. Cable & White housing

## B/W Waterproof Camera with 10 IR LEDs Plus 120' Cable

- 420 line resolution
- 0 lux (when IR LEDs are active)
- 10 IR LEDs
- 1/3" B/W CCD camera
- 3.6mm fixed focus lens
- CDS sensors turn IR LEDs on/off
- Built-in electronic iris
- Max. operating depth: 120 ft.
- Brass housing, black finish
- 120 ft. of cable, mounting bracket & regulated 12V DC power supply included (UL & CSA listed)
- 2"L x 1.5"W x 1.5"H • 7.4 oz.
- Warranty 5 years



**Nitrogen filled to protect internal components**

10 IR LEDs & 120 ft. cable **CVC321WP**

## Waterproof Color Camera with 60' Cable

- 350 line resolution • 1.0 lux sensitivity
- 1/4" color CCD camera • 3.6mm fixed focus lens
- Built-in electronic iris
- Max. operating depth: 90 ft.
- 60 ft. of cable, mounting bracket & regulated 12V DC power supply (UL & CSA listed) included
- Brass housing painted black
- 2.5"L x 1.5"W x 3.5"H
- 9.8 oz.
- Warranty 5 years



**Nitrogen filled to protect internal components**

**CVC620WP**

## Waterproof Color Camera with Ultra Wide Angle Lens

### 170° Field of view - Ultra wide angle

- 380 line resolution • 1 lux
- 1/3" CCD format • 2.2mm lens
- For complete coverage of elevators, vestibules & other small areas
- Max. operating depth: 90 ft.
- 3 ft. of cable, mounting bracket
- Reg. 12V DC power supply included (UL & CSA listed)
- 3.3"L x 1.5"W • 6.5 oz.
- Warranty 5 years



**CVC638170**

## Vandalproof Standard Resolution Weatherproof Color Dome Camera with IR LEDs

**VL650IRS** (silver housing, fixed lens)

**VL650IRW** (white housing, fixed lens)

**VL650IRVFS** (silver housing, varifocal lens)

**VL650IRVFW** (white housing, varifocal lens)



**Includes video  
test connector**

### Features

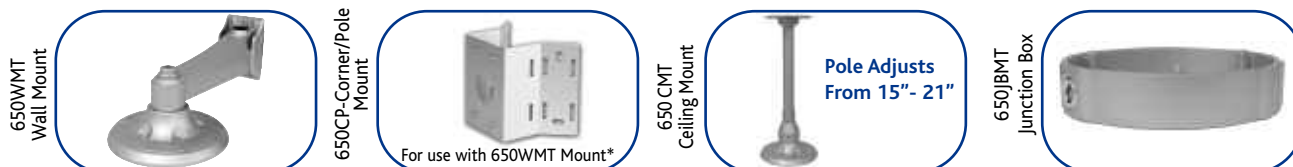
- Internal IR LEDs with anti-reflective technology
- Up to 60 ft. IR range using 22 IR LEDs
- Tamper resistant construction
- IP67 rated for extreme weather applications
- Optional wall, ceiling & junction box adapters are available
- Available in white & silver housings
- Multi-function dip switches for precise camera adjustment
- 5 year warranty

### Specifications

CCD	1/3" SONY Super-HAD™ CCD
Resolution	420 Lines
Lens	VL650IR: 3.6mm board lens VL650IRVF: 2.8-12mm F1.4 varifocal auto iris lens
Min. Illumination	0 Lux (up to 60 ft. range) with LED on, 0.5 Lux with LED off
Number of Pixels	510 H x 492 V
Cell size	9.6µm H x 7.5µm V
TV Type	NTSC
Sync Type	Internal
Scanning System	2:1 Interlace
Video Output	1.0 Vp-p (sync negative) into 75 ohms
Video Test Output	Cable included
Gamma Characteristic	γ=0.45 type.
S/N Ratio	48dB or more (AGC off)
Gain Control	Automatic
Electronic Shutter	1/60 Sec to 1/100,000 Sec
AG	ON/OFF
BLC	ON/OFF
Flickerless	ON/OFF
Mirror	ON/OFF
Test Illuminance Area	Average test illuminance by front view
Power Requirement	Regulated 12V DC power supply included
Consumption Current	Max. 360mA
Reverse Polarity Protection	YES
Operating Temperature	-20°F to 120°F
Dimensions	6" Dia. x 3.75"H



### Available 650 Series Mounting Accessories, Choose from Silver or White



## Vandalproof High Resolution Weatherproof Color Dome Camera with IR LEDs

HT650IRVFHQ (silver)  
HT650IRVFHQW (white)

### Intensifier™ Versions

HTINT650S Dual Voltage (silver)  
HTINT650W Dual Voltage (white)

### Wide Dynamic Range Versions

WDR650S (silver)  
WDR650W (white)



10x Optical/  
10x Digital  
Zoom Lens

HT65010XS (silver)  
• 3.8-38mm motorized  
• Control Locally or using  
RS485 from a DVR  
• True Day/Night ICR  
• Full featured OSD



### Features

- 540 lines resolution
- Internal IR LEDs with anti-reflective technology
- Up to 60 ft. IR range using 22 IR LEDs
- Tamper resistant construction
- IP67 rated for extreme weather applications
- Optional wall, ceiling & junction box adapters are available
- Available in white & silver housings
- Multi-function dip switches for precise camera adjustment
- 5 year warranty

### Specifications

CCD	1/3" SONY HQ-1™ + DSP
Resolution	540 Lines / 580 Lines Intensifier™ version
Lens	2.8-12mm F1.4 varifocal auto iris lens
Number of Pixels	768 H x 494 V
Cell size	9.6µm H x 7.5µm V
TV Type	NTSC
Sync Type	Internal
Scanning System	2:1 Interlace
Video Output	1.0 Vp-p (sync negative) into 75 ohms
Video Test Output	Cable included
Gamma Characteristic	γ=0.45 type.
Min. Illumination	0 Lux (Up to 60 ft. range) with LED on, 0.5 Lux with LED off
S/N Ratio	48dB or more (AGC off)
Gain Control	Automatic
Electronic Shutter	1/60 Sec to 1/100,000 Sec
AGC	ON/OFF
BLC	ON/OFF
Flickerless	ON/OFF
Day/Night Filter Exchange	AUTO
Power Requirement	Regulated 12V DC power supply included
Consumption Current	Max. 360mA
Reverse Polarity Protection	YES
Operating Temperature	-20°F to 120°F
Dimensions	6" Dia. x 3.75"H

540 Lines  
of High  
Resolution

Includes video  
test connector

NOW WITH  
MORE  
POWERFUL  
LEDs!!!



### Available 650 Series Mounting Accessories, Choose from Silver or White

650WMT  
Wall Mount



650CP - Corner/Pole  
Mount



For use with 650WMT Mount\*

650 CMT  
Ceiling Mount



Pole Adjusts  
From 15" - 21"

650JBM  
Junction Box



\* Straps required when used as a pole mount. See pg. 79

## High or Standard Resolution Color Indoor Dome Camera

with Built-in IR LEDs & Anti-Reflection Technology

420 Line Standard Resolution Models

**VL648IR**  
**VL648IRW** white  
3.6mm lens

**VL648IRVF**  
**VL648IRVFW** white  
2.8-12mm auto iris varifocal lens

540 Line High Resolution Models

**CVC648IRHQ**  
**CVC648IRHQW** white  
3.6mm lens

**CVC648IRVFHQ**  
**CVC648IRVFHQW** white  
2.8-12mm auto iris varifocal lens



**CVC models include video test connector**

### Features

The VL648IR is a color day/night camera with special shielding to eliminate IR reflections. It is used for indoor ceiling applications to cover the full spectrum of bright light to no light surveillance. This dome camera can be wall or ceiling mounted by using the matching bracket that is included in the box.

### Specifications

Resolution	420 lines standard or 540 lines high resolution
Image Device	1/3" Sony Super HAD™ or 1/3" Sony HQ-1™ color CCD w/ DSP
Minimum Illumination	0 lux with IR on, 0.5 lux with IR off
Electronic Shutter	Auto 1/60-1/100,000 sec.
Lens	3.6mm lens (optional lenses available) Varifocal version only - 2.8-12mm F1.4 auto iris <b>Now with more powerful LEDs!</b>
Synchronization	Internal 2:1
Scanning System	EIA standard 525 line 60 fields/second
S/N Ratio	Greater than 48 db
Back Light Compensation	Auto
AGC	Auto
Gamma Characteristic	0.45 type.
Video Output	1.0 Vp-p, 75 ohm
Operating Temperature	14°F to 120°F
LED IR Wave Length	840 NM
Number of LED	22 IR LEDs
Effective IR range	70' (depending on scene reflection)
Power Requirements	12V DC regulated @ 230mA - included UL approved
Dimension	5"Diameter x 3"H
Weight	8 oz.
Case	High impact ABS
Warranty	5 years

**All Models Include Wall Mounting Bracket**

**Flush Mount Kit DFM2**



See pg. 80 for Mounting Accessories: Flush Mount Kit - DFM2





## High Resolution Models

HT8WMTDV

### 2.8-12mm Auto Iris Lens

***Now with large varifocal range  
- 1 camera does the work of 3!***

**Includes video test connector**

Wall or ceiling mounting through the use of a unique Internal 3-way gimble camera bracket .....	Look straight down a wall with no loss of coverage
Safe Mount System .....	Keeps tools and hardware away from camera electronics
Auto Iris Varifocal Lens .....	Camera operates in a wide range of lighting conditions
Supplied with a Clear "Lined" Dome .....	Conceals camera position without a loss of light
Conduit Compatible .....	Side and rear cable entry
Vandal Resistant .....	Withstands blows from a 10 lb. sledgehammer
Tamper Resistant .....	The cover is secured by 6 tamper resistant screws

## HT8WMTDV

<b>Horizontal Resolution</b> . . . . .	420 TV lines	580 lines
<b>Image Device</b> . . . . .	1/3" Interline transfer type CCD	Sony HQ-1™ +DSP
<b>Min. Object Illumination</b> . . . . .	1.0 lux	0.5 lux
<b>Effective Picture Element</b> . . . . .	270K 512(H) x 492(V)	410K
<b>Backlight Compensation</b> . . . . .	Active	Active
<b>White Balance</b> . . . . .	Auto	Auto
<b>Electronic Shutter</b> . . . . .	1/60-1/100,000 seconds	1/60-1/100,000 seconds
<b>AGC</b> . . . . .	Active-Auto	Active-Auto
<b>Built In Lens</b> . . . . .	Auto iris varifocal lens 2.8-12mm Auto iris varifocal lens 9-22mm	Auto iris varifocal lens 2.8-12mm Auto iris varifocal lens 9-22mm
<b>Video S/N Ratio</b> . . . . .	Greater than 48dB	Greater than 50dB
<b>Weatherproof Standard</b> . . . . .	IP66	IP66
<b>Mechanical construction</b> . . . . .	Aluminum composite/polycarbonate	Aluminum composite/polycarbonate
<b>Operating Environment</b> . . . . .	-20°F to 120°F	-20°F to 120°F
<b>Video Signal Output</b> . . . . .	1.0Vp-p/75 Ohms (BNC) NTSC	1.0Vp-p/75 Ohms (BNC) NTSC
<b>Power Consumption</b> . . . . .	150mA	150mA
<b>Power Requirements</b> . . . . .	12V DC 500 mA regulated power supply (UL & CSA listing) included	12V DC 500 mA regulated power supply (UL & CSA listing) included
<b>Weight</b> . . . . .	24 ounces	24 ounces

68WMT Wall mount



## Indoor Tamper/Vandal Resistant Color Dome Camera For Wall or Ceiling Mounting

Includes a unique internal 3-way gimble, making the unit perfect for both wall and ceiling mounting.

The VL64TP provides a crisp picture under a wide variety of lighting conditions.

Please provide your own regulated 12V DC power supply or use Speco PSW5.

- 420 lines resolution
- 1 lux
- 1/4" image sensor interline transfer
- 2.9mm lens
- S/N ratio- better than 48dB
- Shutter Control 1/60 to 1/100,000 Sec
- Electronic Shutter 256 steps
- Power requirements: 12V DC regulated @ 110mA power supply not included
- Power consumption: 200mA
- Housing metal & polycarbonate with lined dome
- Gamma Correction 0.45
- Operating Temperature 4°F-131°F / 30 to 90% RH
- Video Out: Composite 1.0 VP.P / 75 OHM
- Weight 1lb.
- Dimensions 3.6" Dia. x 3" H

**Can withstand hits from a 10lb. sledgehammer!**



**VL64TP**  
white housing **VL64TPW**

## Economy Color and B/W Dome Camera with White or Black Housing

### 3 Way Gimble Wall or Ceiling Mountable

**B/W Version** 420 line resolution • 0.2 lux • 3.6mm lens

- 1/3" B/W CCD

**Color Version** 420 line resolution • 0.2 lux • 1/3" format

- 3.6mm lens
- Can be rotated 360° • Tilt angle +/- 90°
- Video output - BNC, NTSC
- Power requirements: 12V DC regulated @ 110mA power supply not included (See PSW5 in power supply section)
- 4" Diameter x 2.5"H



B/W version with black housing  
**VL183**

B/W version with white housing  
**VL183W**

3.6mm 1/3" color format with black housing  
**VL644DC**

3.6mm 1/3" color format with white housing  
**VL644DCW**



B/W lens options include 2.5mm, 6mm, 8mm, & 12mm. Color lens options include UWA (2.2mm), 3.6mm, 6mm, 8mm, 12mm, & 16mm. Please inquire on specific model availability & pricing.

Speco Technologies offers bullet cameras built for all around surveillance with budget conscious installations in mind. Cost effective solutions are provided for both indoor/out-door, commercial & residential applications.

*Cable through the mount for extra security!*



**CVC6705** black - varifocal  
**CVC6705W** white - varifocal



**CVC6700BR** bronze



**CVC6700** black



**CVC6700W** white

## Color Camera Specifications

Resolution .....420 line  
Minimum Illumination .....1.0 lux  
Image Device .....1/4" CCD image sensor  
Lens .....2.9mm  
Varifocal Model Lens .....4-9mm manually adjustable  
Fixed Lens Options .....Sold separately and available upon request: 2.5, 6, 8, and 12mm  
Electronic Shutter .....1/60 - 1/100,000 seconds  
Number of Pixels .....512 horizontal x 492 vertical  
Output .....Video BNC, Power-DC jack  
Video Output .....1.0 Vp-p into 75 Ohms

Video S/N Ratio .....Greater than 48 dB  
Housing .....Metal, removable sunshield  
Power Consumption .....130 mA  
Power Supply .....Regulated 12V DC power supply (UL and CSA listed) included  
Humidity .....Within 95% RH  
Operating Temperature ....-14°F to 122°F  
Scanning Frequency .....15.75 kHz horizontal 60 Hz vertical  
Dimensions .....3.94"L x 1.54"W x 1.38"H  
4.5"L x 2"W x 2"H (CVC6705 only)  
Weight .....6.1 oz., 11.2 oz. (CVC6705 only)  
Warranty .....5 years



**CVC1705** black - varifocal



**CVC1700** black



**CVC1700W** white

## B/W Camera Specifications

Resolution .....420 line  
Minimum Illumination .....0.02 lux  
Image Device .....1/3" B/W CCD image sensor  
Lens .....3.6mm  
Varifocal Model Lens .....4-9mm manually adjustable  
Fixed Lens Options .....Sold separately and available upon request: 2.5, 6, 8, and 12mm  
Electronic Shutter .....1/60 - 1/100,000 seconds  
Number of Pixels .....512 horizontal x 492 vertical  
Output .....Video BNC, Power-DC jack  
Video Output .....1.0 Vp-p into 75 Ohms

Video S/N Ratio .....Greater than 48 dB  
Housing .....Metal, removable sunshield  
Power Consumption .....100 mA  
Power Supply .....Regulated 12V DC power supply (UL and CSA listed) included  
Humidity .....Within 95% RH  
Operating Temperature ....-14°F to 122°F  
Scanning Frequency .....15.75 kHz horizontal 60 Hz vertical  
Dimensions .....3.94"L x 1.54"W x 1.38"H  
4.5"L x 2"W x 2"H (CVC1705 only)  
Weight .....5.8 oz., 11.2 oz. (CVC1705 only)  
Warranty .....5 years

See page 78 for Compatible Camera Mount Accessories

## Economy Color Weatherproof CCD Bullet Camera

- 420 line resolution • 1.0 lux
- 1/4" color CCD camera
- 2.9mm lens with built-in electronic iris
- Electronic shutter system
- Power requirements: 12VDC @ 110mA
- Mount & Regulated 12V DC power supply (UL & CSA listed) included
- Video output: BNC
- 2.6" L x 1" W x 1" H
- 10 oz.



**CVC635N**

## Economy Color Weatherproof Bullet Camera In Plastic Housing with 16 IR Leds

### Extreme weatherproof design

- 420 line resolution
- 0.92 lux (IR off)
- 0 lux (IR on)
- 4mm lens
- S/N Ratio more than 48dB
- Internal sync.
- Auto electronic shutter
- Power requirements: 12VDC @ 230mA
- Regulated 12V DC power supply (UL & CSA listed), sunshield & mount included



**VL62** Black Housing **VL62W** White Housing

## Weatherproof Color Camera with Varifocal Lens and IR LEDs

### Extreme weatherproof design

- 420 line resolution
- 0.92 lux (IR off) • 0 lux (IR on)
- 1/3" color CCD camera
- 4-8mm varifocal lens
- 50' IR range\* for great pictures in low light conditions
- Color by day, B/W by night
- Mounting bracket included for wall, ceiling or pedestal use
- S/N Ratio more than 48dB
- Internal sync. • Auto electronic shutter
- Power requirements: 12V DC @ 230mA
- Regulated 12V DC power supply included



**VL66** Black Housing **VL66W** White Housing

\* Depending on scene reflection

## Weatherproof Metal Color Varifocal Bullet Camera with IR LEDs

- Metal housing • 420 line resolution
- 0.92 lux (IR off) • 0 lux (IR on)
- 4mm-9mm auto iris varifocal lens
- Dual Voltage: 12V DC / 24V AC
- IP-67 rated weatherproof design
- 12" power lead included
- 18 IR LEDs, with CDS control (distance up to 50')\*
- Automatic white balance
- Back light compensation
- Mounting bracket included for wall, ceiling or pedestal use
- Power requirements: 12V DC @ 230mA
- S/N Ratio more than 50dB
- Internal sync.
- Auto electronic shutter
- Removable and adjustable sunshield



**VL67** Black Housing **VL67W** White Housing

\* Depending on scene reflection



B/W lens options include 2.5mm, 6mm, 8mm, & 12mm. Color lens options include UWA (2.2mm), 3.6mm, 6mm, 8mm, 12mm, & 16mm. Please inquire on specific model availability & pricing.

## Weatherproof Color CCD IR Camera

- 420 line resolution • 0.5 lux color/0 lux IR on
- 1/3" interline transfer CCD
- 14 IR LEDs up to 40' range
- Electronic shutter system
- 4.3mm lens
- Regulated 12V DC power supply required (Model: PSW5)
- Power requirements: 12V DC @ 230mA
- 2.2"Dia. x 3.2"L • 19 oz.
- Removable sunshield offers additional weather protection & blocks out sun glare
- Wall/Ceiling mount included
- Silver housing



VL10

## Weatherproof Color CCD IR Camera

- 420 line resolution • 0.5 lux color/0 lux IR on
- 1/3" interline transfer CCD
- 28 IR LEDs up to 60' range
- Electronic shutter system
- 4.3mm lens
- Regulated 12V DC power supply required (Model: PSW5)
- Power requirements: 12V DC @ 230mA
- 2.6"Dia. x 3.7"L • 16 oz.
- Removable sunshield offers additional weather protection & blocks out sun glare
- Wall/Ceiling mount included
- Silver housing



VL11

## Economy B/W Weatherproof Bullet Camera with Protective Sunshield

- 420 line resolution • 0.02 lux
- 1/3" CCD • Electronic shutter system
- 3.6mm lens
- Regulated 12V DC power supply (UL & CSA listed), cable & mounting bracket included
- Power requirements: 12V DC @ 110mA
- 2.4"L x 1.1"W x 1"H
- 2.2 oz.
- Removable sunshield
- Black housing



VL128RS

## Economy B/W Weatherproof Bullet Camera

- 420 line resolution • 0.02 lux
- 1/3" B/W CCD • 3.6mm lens
- Electronic shutter system
- Regulated 12V DC power supply (UL & CSA listed), mounting bracket included
- Power requirements: 12V DC @ 230mA
- 2"L x 1"W x 1"H
- 2.2 oz.
- Black housing



CVC130R

## Color Miniature Weatherproof Camera with Removable Sunshield

- 420 line resolution
- 1.0 lux • 1/3" color CCD camera
- 3.6mm lens
- Electronic shutter system
- Mounting bracket
- Power supply required
- Power requirements: 12V DC @ 110mA
- 1 Volt p-p composite into 75 Ohms
- .95" Diameter x 3.15" L
- 3 oz.



VL634

## Color Conical Pinhole Bullet Camera

**Conical (pointed) pinhole lens.  
Easier to install behind walls and  
in dropped ceilings.**

- 420 line resolution
- 1.0 lux • 1/3" CCD format
- 4.3mm conical pinhole lens
- Black housing
- Regulated 12V DC power supply (UL & CSA listed) included
- Power requirements: 12V DC @ 110mA
- Miniature mount included
- 2.3"L x 1"W x 1"H



CVC622PH

**Speco Technologies offers bullet cameras built for all around surveillance with budget conscious installations in mind. Cost effective solutions are provided for both indoor/outdoor, commercial & residential applications.**

## Weatherproof Fully Adjustable IR Camera

- 420 lines of resolution
- 6mm Lens
- 1/3" interline transfer CCD
- 0.5 lux color (led off),
- 0 lux (led on)
- IP 66 weatherproof operation
- IR trigger 4 lux/8 lux IR on/off
- 40' IR Range (depending on scene reflection)
- Video S/N ratio greater than 48dB (AGC off)
- 12V DC  $\pm$  power supply required (model PSW5)
- Power requirements: 12V DC @ 230mA

**Value Line Cameras  
When Price Counts!**



Wall/Ceiling  
Mounting  
Bracket  
Included



VL12

## Ultra High Resolution Color Dome Camera

- 550 line Color resolution
- .5 lux • 1/3" format
- 3.6mm lens
- Can be rotated 360°
- Tilt angle +/- 90°
- Built-in electronic shutter
- Video output/BNC
- Regulated 12V DC power supply (UL & CSA listed) included
- Power requirements: 12V DC @ 110mA
- 4" Diameter x 2.5"H

**Includes video  
test connector**



**CVC646HR** black housing  
**CVC646HRW** white housing

## Dome Camera with 4-9mm Varifocal Lens

**B/W Version** 420 line resolution • 0.02 lux • 1/3" format  
**Color Version** 420 line resolution • .92 lux • 1/4" format

- Can be rotated 360° • Built-in electronic shutter • Video output - BNC
- Color domes have built-in test connectors • Ceiling Mount
- Power requirements: Regulated 12V DC @ 110mA power supply (UL & CSA listed) included
- 4.4" Diameter x 3"H

**CVC6405DC**  
includes video  
test connector



**CVC1805DC** B/W version  
**CVC6405DC** color version



B/W lens options include 2.5mm, 6mm, 8mm, & 12mm. Color lens options include UWA (2.2mm), 3.6mm, 6mm, 8mm, 12mm, & 16mm. Please inquire on specific model availability & pricing.

# Zoom & Traditional CCD Cameras

See pg 22  
for details



**IPINTT5** Traditional Camera  
Uses C/CS Lenses, Intensifier  
**IPT5**  
No Intensifier™ Feature

See pg 28  
for details



**HTINTT5**  
Accepts C & CS type lenses,  
Intensifier™

See pg 35  
for details



**WDRT6**  
Wide Dynamic Range  
Accepts C & CS type lenses  
Dual Voltage, PIXIM

See pg 28  
for details



**VLINTT5**  
Value Line Traditional Box  
12 Volt operation only,  
Intensifier™

## Color Camera with 268X Zoom and Optional Remote Control

*Day/Night Operation - IR cut filter is automatically removed at night.*

- 470 line resolution
- 0.1 lux sensitivity in night mode
- 1/4" Super-HAD™
- 22X Optical zoom, 12X Digital zoom
- OSD Menu functions
- Local control from back of camera, by RS485 or RC652 optional remote control
- Power requirements: 12V DC @ 300mA
- Auto slow shutter speed in low light conditions
- BLC, AGC • Auto iris



**CVC652HZ**  
**RC652** Optional remote control

## High Resolution 12V DC/24 VAC Dual Voltage Color Camera

- 580 line resolution • 0.50 lux
- 1/3" color Sony HQ1\* camera
- ICR & mechanical IR cut filter (CVC865DN24) only
- Internal synchronization & line lock (24V AC mode)
- C or CS mount lenses (sold separately)
- Power requirements: 12V DC/24V AC @ 320mA
- Accepts a video/DC auto iris lens/Manual iris/Fixed iris
- 4.6"L x 2.2"W x 2.2"H



**CVC614C**  
**CVC865DN24**

## 1/3" Color CCD Camera

- 420 line resolution • 0.5 lux
- 1/3" interline transfer CCD
- Internal synchronization
- C or CS mount lenses
- S/N Ratio more than 48dB
- Power requirements: 12V DC @ 260mA
- Accepts a video/DC auto iris lens/Manual iris/Fixed iris
- Lens sold separately
- 4.3"L x 2.2"W x 2"H • 12 oz.



**VL611C**

## Dual Voltage B/W CCD Camera with Built-In Electronic Iris

- 420 line resolution
- Operates on both 12V DC/24V AC
- 0.02 lux • 1/3" B/W CCD
- Internal synchronization
- Built-in electronic shutter
- Accommodates both C/CS type lenses (sold separately)
- Power requirements: 12V DC or 24V AC @ 110mA power supply (not included) see power supply section
- Accepts a video/DC auto iris lens/Manual iris/Fixed iris
- 5"L x 2"W x 2"H



**CVC190**

## Color, Adjustable Counter Camera with Varifocal Lens to Clearly Identify Facial Features - Wide Dynamic Range

- Built-in IR LEDs illuminate a person's face and balances backlit scenes
- Camera is height adjustable within the tower base.
- The camera can be tilted within the housing to achieve all required angles
- The tower base is horizontally adjustable and locks into position using set screws
- 2.6 to 6.0mm auto iris Varifocal lens allows you to "fine tune" your coverage
- Ultra high 480 lines of resolution • 16 LEDs with CDS
- 1/3" color Sony double speed CCD sensor • TV System: NTSC
- Day/Night operation with a mechanical IR cut filter
- Scanning System 2:1 Interlaced
- Sensitivity to 0 lux within a 10 foot range, 0.03 lux beyond 10 feet
- WDR (Wide Dynamic Range) technology minimizes back-lighting problems
- Cable can be routed through the bottom or rear of the tower
- Standard tower height is 24". Customized heights are available
- Customize the look of your tower with paint color or "slide-in" advertising panels

- Line Locked, Adjustable V – Phase
- S/N Ratio: More Than 50dB
- Gamma Characteristic: 0.45
- Video Output: 1 Volt p-p, 75 ohm
- Electronic Shutter: 1/60 – 1/100,000 sec.
- Dual voltage 24V AC/12V DC with line-lock button type
- Power requirements: Auto sensing dual voltage power supply ~ 24 Volts AC & 12 Volts DC

- Power Consumption: (24V AC) 5.5W
- Power consumption: (12V DC) 230mA
- Operating Temperature: 14° F ~ 122° F
- Dimensions: 24" H x 4.7" D
- Weight Approx. 4.5 lbs.



TC25VF

## The Latest Innovation for Ideal Facial Viewing

### Features:

The TC25VF allows you to view a person's face by placing an unobtrusive camera at eye level. Pictures of the top of your customers head or hat are a thing of the past.

Our TC25VF counter camera operates on 24V AC/12V DC power which allows for line lock and "drift free" color pictures. It offers double speed WDR technology and a 2.6 to 6.0mm auto iris Varifocal lens.

The base allows for easy horizontal angle adjustment and the camera location inside the housing is vertically adjustable. The cable can be routed through the base or rear for a more concealed and secure installation.



Facial ID Shot



Standard Camera Shot

Speco color camera operates on 24V AC power which allows for line lock and "drift free" color pictures.

The base allows for easy horizontal angle adjustment and the camera location inside the housing can be tilted. The cable is located through the base for a more concealed and secure installation.

## Color Counter Camera with 2.9mm Lens, 24V AC Line Locked Operation and WDR (Wide Dynamic Range)

- WDR (Wide Dynamic Range) handles your toughest back light situations
- Stationary tower
- Fixed focal lens, for less demanding applications
- Ultra high 480 lines of resolution
- 1/3" color Sony double speed CCD sensor
- 0.03 lux low light sensitivity
- 2.9mm lens (optional lenses available)
- Metal and lexan housing
- Power Consumption: 200mA
- Power supply: 24V AC @ 20VA required (Not Included)
- Standard dimensions 24"H X 2.75"D



TC242.9

## Color Counter Camera with 2.9mm Lens and 24V AC Line Locked Operation

- Stationary tower
- Fixed focal lens, for less demanding applications
- Ultra high 480 lines of resolution
- 1/3" color Sony Super-HAD™ CCD sensor
- 0.03 lux low light sensitivity
- 2.9mm lens (optional lenses available)
- Metal and lexan housing
- Power Consumption: 200mA
- Power supply: 24V AC @ 20VA required (Not Included)
- Standard dimensions 24"H X 2.75"D



TC23

## Indoor/Outdoor Infrared LED Illuminator

- 66 powerful infrared LEDs @ 840nm
- IR Range up to 50' in total darkness\*
- Compatible with any B/W or IR sensitive color CCD camera
- CDS sensor activates IR LEDs only as needed
- Universal mount and 12V DC regulated power supply included (UL/CSA listed)
- 500 mA
- Semi-covert operation for maximum distance
- Weather resistant to IP 67 standards
- Dimensions: 3" x 1"



**IR300**

\*Depending on scene reflection

## Indoor/Outdoor Infrared LED Illuminators

- Emits IR at 840nm
- For any low-light application
- Illuminator is housed in heavy duty aluminum
- 40 ft. range & 30° horz/vert angle dispersion
- Mounting bracket
- Power supplies not included
- 6.5"L x 3.5"W x 4.5"H
- 3 lbs.



117V version **IR200**  
24V AC version **IR20024**

## Wireless Color Weatherproof IR Camera

- 420 lines resolution
- 1/4" CCD image sensor
- 6mm lens
- 0 lux (with IR LED on) 1 lux (LED off)
- Transmission Frequency: ISM 2,400 MHz-2,483MHz - 4 Channels
- Transmission Power: 10mW/CE; 2mW/FCC
- Modulation Type: FM
- Bandwidth 18MHz

- Effective Range: 300 feet (depending on local conditions)
- Night Vision Range: IR range: 45 ft. (depending on scene reflection)
- Regulated 12V DC power supply included - UL listed
- Power consumption: 220mA
- Dimensions: 2-1/2"(W) x 3-1/2"(D) x 5-1/2"(H)
- Weight: 10 oz.



**Optional lenses: 2.5, 2.9, & 12mm**

**WC2503**

## Wireless Camera Equipment - 300' Line of Sight Transmission



- 2.4Ghz mobile wireless monitor
- Runs on batteries or included power supply
- 2.5" LCD screen - 480 x 234
- 4 channels for multiple camera use
- Handles video and audio
- Fits in the palm of your hand

**VMW2.5LCD**



- 2.4Ghz mobile wireless transmitter
- Selectable to 4 channels
- Clips on to cameras BNC connector
- Includes power supply
- Power loops through the transmitter to power a 12V DC camera
- Power consumption: 4mA

**WT2500**



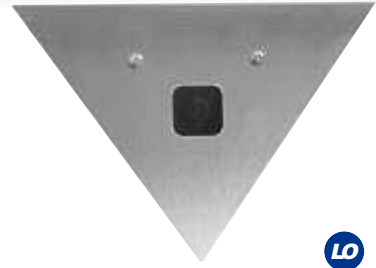
- 2.4Ghz mobile wireless receiver
- Selectable to 4 channels for use with multiple cameras
- Power supply included
- Adjustable antenna
- Standard video output
- RCA output
- Select 1 of 4 channels or sequence through all 4 channels

**WR2501**

Also Available: **WK2502** Kit includes WT2500 and WR2501 above

## Color Corner Mount Camera

- 420 line resolution
- 1.0 lux
- 1/4" CCD format
- 3.6mm lens
- 90° corner mounting
- Built-in electronic shutter
- Regulated 12V DC power supply (UL & CSA listed) included
- Power consumption:  
Color version 110mA  
B/W version 90mA
- Video output: BNC
- 4"L x 9"W x 7"H
- 1.4 lbs

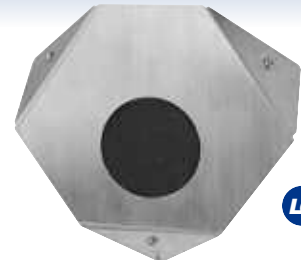


B/W version **CVC105CM**  
Color version **CVC605CM**

Upgrade Mirror Front Plate for CVC105CM & CVC605CM

## Tamper Resistant Color Stainless Steel Corner Mount Camera

- 420 line resolution
- 1.0 lux
- 2.9mm lens
- 90° corner mounting
- Built-in electronic shutter
- 16 gauge steel face plate
- Tamper resistant screws
- Regulated 12V DC power supply
- Power consumption: 12V DC @ 110mA
- Video output: BNC



**Vandal Resistant  
Heavy Duty**

**CVC607CMT**  
1/4" CCD format, 2.9mm lens

**CVC607EXCM2.5**  
1/3" CCD format, 480 line resolution ExView 2.5mm lens

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[www.specotech.com](http://www.specotech.com)  
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These Great Features!**

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- Live & interactive product demos
- Installation diagrams
- Camera lens calculator & more!



B/W lens options include 2.5mm, 6mm, 8mm, & 12mm. Color lens options include UWA (2.2mm), 3.6mm, 6mm, 8mm, 12mm, & 16mm. Please inquire on specific model availability & pricing.

## Color Ceiling/Wall Flush Mount Camera

- 420 line resolution • 1.0 lux
- 1/4" color CCD format
- 3.7mm pinhole lens
- Built-in electronic shutter
- 18 gauge low profile white metal housing
- Camera can be aimed +/- 45°
- Video output: BNC
- Regulated 12V DC power supply (UL & CSA listed) included
- Power consumption: 12V DC @ 110mA
- 2.6" Diameter x 1.8"L



CVC649FM

## Weatherproof Angle Mount Camera

**B/W Version** 420 line resolution • 0.02 lux • 1/3" CCD format • 3.6mm lens  
**Color Version** 420 line resolution • .92 lux • 1/4" CCD format • 3.6mm lens  
**High Resolution Color Version**  
 540 line resolution • .1 lux • 1/4" CCD format • 3.6mm lens

- Built-in electronic shutter
- 18 gauge tamper-resistant stainless steel housing
- Regulated 12V DC power supply (UL & CSA listed) included
- Power consumption: 12V DC @ 110mA
- Video output: BNC • 2.5"L x 2.25"W x 2.75"H
- 1.4 lbs.

**Stainless Steel Housing**



B/W version/steel **CVC95AM**  
 Color version/steel **CVC695AM**  
 High resolution **CVC695AMHR**

## Color Wall Mount Camera

- 420 line resolution
- 1.0 lux
- 1/4" CCD format
- 3.6mm
- Built-in electronic shutter
- White housing
- Video output: RCA female,
- includes BNC adapter
- Regulated 12V DC power supply included (UL and CSA listed)
- Power consumption: 12V DC @ 110mA
- 7 oz.
- White housing



Color version **CVC691AMW**



B/W lens options include 2.5mm, 6mm, 8mm, & 12mm. Color lens options include UWA (2.2mm), 3.6mm, 6mm, 8mm, 12mm, & 16mm. Please inquire on specific model availability & pricing.

## Color CCTV Camera with Working PIR Motion Detector

- 420 line resolution • 1.0 lux
- 1/4" CCD format • 3.6mm lens
- Camera in WORKING PIR housing
- Built-in electronic shutter
- NO/NC trigger

- Regulated 12V DC power supply (UL & CSA listed) & swivel mount included
- Power consumption: 12V DC @ 120mA
- 2"L x 2.75"W x 4.75"H
- 9 oz.



VL572PIR

## Color CCTV Camera with Non-Working PIR Motion Detector

- 420 line resolution • 1.0 lux
- 1/4" CCD format • 3.6mm pinhole lens
- Camera in WORKING PIR housing
- Built-in electronic shutter
- NO/NC trigger

- Regulated 12V DC power supply (UL & CSA listed) & swivel mount included
- Power consumption: 12V DC @ 260mA
- 2"L x 2.75"W x 4.75"H
- 9 oz.



VL565PIR

## Color Ceiling Mount Camera, Views Sideways or Straight Down

- 420 line resolution
- 1.0 lux
- 1/4" CCD format
- 3.6mm lens
- Camera views from the side of housing at a 45° angle, or straight down

- Built-in electronic iris
- Regulated 12V DC power supply (UL & CSA listed) included
- Power consumption: 12V DC @ 110mA
- 1.75"L x 3.4"Dia.
- 2 oz.



Color version VL562SD

## In-Wall Camera

**B/W Version** 420 line resolution • 0.02 lux • 1/3" CCD format • 3.6mm lens

**Color Version** 420 line resolution • 1.0 lux • 1/3" CCD format • 3.6mm lens

- Fits into a single gang electrical box (included)
- Brushed stainless steel face plate
- Power consumption: Color version 110mA, B/W version 90mA

- Video output: BNC
- 2.75"L x 2.75"W x 4.25"H



Color version CVC675  
B/W version CVC75

## Weatherproof Door Mount Camera

- 420 line resolution
- 1.0 lux • 1/3" CCD format
- 1.78mm lens
- For new installations or to replace existing peepholes
- 170° angle of coverage

- Fits doors from 1 1/4" to 2" in depth
- Regulated 12V DC power supply (UL & CSA listed) included
- Power consumption: 12V DC @ 110mA
- 2.75" L • Shaft 1 1/8" Diameter
- Viewing end 1 5/8" Diameter



Color version CVC812PC

## Clock Camera

**B/W Version** 420 line resolution • 0.02 lux • 1/3" CCD format • 3.6mm lens

**Color Version** 350 line resolution • 1.0 lux • 1/4" CCD format • 3.6mm lens

- Battery powered quartz clock
- Built-in electronic shutter
- Regulated 12V DC power supply (UL & CSA listed) included

- Power consumption: Color version 110mA, B/W version 90mA
- Video output: BNC
- 1.5"L x 11"W x 11"H
- 2.5 lbs.



B/W version CVC285RC  
Color version CVC585RC

## Miniature High Resolution B/W or Color Pinhole Camera

**B/W Version** 420 line resolution • 0.5 lux • 1/3" CCD format  
**Color Version** 420 line resolution • 1.0 lux • 1/4" CCD format

- Built-in 3.6mm lens with built-in electronic auto iris
- Electronic shutter system
- Cable outputs: Video BNC - DC power jack
- Power supply required (not included) see PSW5
- Power consumption: Color version 110mA, B/W version 90mA
- 0.75"L x 1"W x 1.25"H



B/W version **CVC57PHHR**  
 Color version **CVC770PH**

## Board Camera In Aluminum Housing

**B/W Version** 420 line resolution • 0.02 lux • 1/3" CCD format  
**Color Version** 420 line resolution • .92 lux • 1/3" CCD format

- Built-in 3.6mm lens
- Cable outputs: Video RCA female/DC power jack
- Regulated 12V DC power supply (UL & CSA listed) included
- Power consumption: Color version 110mA, B/W version 90mA
- 1.5"L x 2"W x 3"H



B/W version **CVC44BC2**  
 Color version **CVC544BC2**

## Aluminum Camera Housing For Color Board Camera CVC521BC



- Mounting bracket included
- Outputs 1 connection
- 1.75"L x 2"W x 2"H

**BCC20**

## Corner Mount Aluminum Camera Housing For Color Board Camera



- Housing for a mini CCTV board camera
- 5"L x 3.25"W x 4.25"H

corner mounting **BCCCM**  
 flat wall mounting **BCCWM**

## Compact Pinhole Color Board Camera

- 420 line resolution
- .92 lux
- 1/4" CCD format
- Built-in 3.6mm pinhole lens
- Cable outputs: Video BNC - DC power jack
- Requires 12V DC power supply
- Power consumption: 12V DC @110mA
- 1.625"L x 1.625"W x 1.5"H



Pinhole version **CVC521PH**

## Compact Pinhole B/W Board Camera

- 420 line resolution
- 0.5 lux
- 1/3" CCD camera
- Built-in 3.6mm pinhole lens
- Cable outputs: Video BNC - DC power jack
- Requires 12V DC power supply see PSW2
- 0.50"L x 1.75"W x 1.75"H



**CVC50PH**

## Compact Color Board Camera

- 420 line resolution
- .92 lux • 1/4" CCD format
- Built-in 3.6mm lens
- Electronic shutter system
- Cable outputs: Video BNC - DC power jack
- Regulated 12V DC power supply (UL listed) included
- Power consumption: 12V DC @110mA
- 1.625"L x 1.625"W x 1.5"H
- 42mm x 42mm



**LO CVC521BC**

## B/W Miniature Board Camera

- 420 line resolution
- 0.02 lux
- 1/3" CCD format
- Built-in 3.6mm lens
- Electronic shutter system
- Cable outputs: Video BNC - DC power jack
- Power supply required (not included) see PSW2
- 1"L x 1.75"W x 1.5"H



**LO CVC50BC**

**LO** B/W lens options include 2.5mm, 6mm, 8mm, & 12mm. Color lens options include UWA (2.2mm), 3.6mm, 6mm, 8mm, 12mm, & 16mm. Please inquire on specific model availability.

VM15LCD



## 15" HIGH RESOLUTION TFT COLOR LCD MONITOR

- 1024(H) x 768(V) resolution
- Displays up to 16.2 million colors
- Convenient front controls for on-screen programming
- 225cd/m2 Brightness
- 500:1 Contrast ratio
- VGA (D-Sub 15 pin), audio, video inputs
- Regulated 12V DC 40W power supply (UL & CSA listed)
- Screen: 15" TFT
- VESA 100 compatible
- Dimensions: 15.9" H x 16.3" W x 5.7" D
- Weight: 5.51 lbs.
- 1 year warranty

VM17LCD



## 17" HIGH RESOLUTION TFT COLOR LCD MONITOR

- Displays up to 16.2 million colors
- 1280(H) x 1024(V) SXGA resolution
- Convenient front controls for on-screen programming
- Input signal detection provides easy connection
- 290cd/m2 Brightness
- 500:1 Contrast ratio
- VGA (D-Sub 15 pin), RCA audio, video inputs
- Regulated 12V DC 40W power supply (UL & CSA listed)
- Screen: 17" TFT • VESA 100 compatible
- Dimensions: 16.7" H x 16.4" W x 6.1" D
- Weight: 8.4 lbs.
- 1 year warranty

VM19LCD



## 19" HIGH RESOLUTION TFT COLOR LCD MONITOR

- 1280(H) x 1024(V) resolution SXGA resolution
- Convenient front controls for on-screen programming
- Input signal detection provides easy connection
- 250cd/m2 Brightness
- 500:1 Contrast ratio
- VGA (D-Sub 15 pin), audio, video inputs
- Regulated 12V DC 50W power supply (UL & CSA listed)
- Screen: 19" TFT
- VESA 100 compatible
- Dimensions: 17.9" H x 17.8" W x 6.1" D
- Weight: 10.1 lbs.
- 1 year warranty

VM5LCD



## 5" HIGH RESOLUTION TFT COLOR LCD MONITOR with REMOTE CONTROL

- 640(H) x 480(V) resolution
- Convenient front controls for on-screen programming
- On-Screen controls allow adj. of brightness, contrast, hue, color, vertical position, horizontal position and volume
- 350cd Brightness
- 250:1 Contrast ratio
- Input signal detection provides easy connection
- 12V DC inputs
- Screen: 5" • Base: 2"
- 1 S video input
- 2 RCA inputs
- 2 RCA audio inputs
- Dimensions: 6 1/2"W x 4 1/2"H
- Weight: 1 lb.
- 1 year warranty

VM10LCD



## 10" HIGH RESOLUTION TFT COLOR LCD VGA MONITOR with REMOTE CONTROL

- 640(H) x 480(V) resolution
- Convenient front controls for on-screen programming
- On-Screen controls: same as VM5LCD
- 1 S video input
- 2 RCA inputs
- 2 RCA audio inputs
- 350cd Brightness
- 300:1 Contrast ratio
- Input signal detection provides easy connection
- 3D Comb filter
- 12V DC power supply
- Screen: 10.4"
- VESA100 compatible
- Dimensions: 8.8"H x 10.3"W x 2.5"D
- Weight: 4 lbs.
- 1 year warranty

## GO BIG!

Speco Technologies offers LCD monitors  
in sizes up to 37 inches!  
Call 1.800.645.5516 for details.

VMHT19LCD



### 19" Ultra High Resolution TFT Color LCD Monitor with Remote Control

- 1280(H) x 1024(V) resolution
- Fast response time
- Multi video standard (NTSC / PAL / Auto)
- Multi language support
- 270cd Brightness • 700:1 Contrast ratio
- Audio: 2 in-2 out, 1 PC audio in
- Video: 1 D-SUB 15 pin, 2 video in-out (BNC), 1 S-video in
- Key lock function • 3D comb filter / 3D De-interlace
- Auto power on: AVI / AV2 / S-Video / VGA selectable
- Scale mode: (full / under / over / 4.3 / 16.9)
- Optional rack mount: RMHT19
- Input signal detection provides easy connection
- VESA compatible
- Dimensions: 15.5" H x 16.7" W x 2.9" D
- Weight: 14 lbs.

VM26LCD



### 26", 32", 37" High Resolution TFT Color LCD Monitor with Remote Control

- 1366(H) x 768(V) WXGA resolution
- 1280(H) x 1024(V) SXGA resolution
- Glass protective front panel
- Advanced on-screen menu control
- Multi video standard (NTSC / PAL / Auto)
- Multi language support • 500cd Brightness
- 800:1 Contrast ratio • Audio: 2 in-2 out
- Video: 1 D-SUB 15 pin, 3 video in-out (BNC), 1 S-video in 4 pin Din connector
- Input signal detection provides easy connection
- VESA compatible • 12V DC inputs
- Dimensions: 25.9"W x 3.7"D x 16.6"H
- Weight: 29 lbs.

VMTV17LCD



### 17" Color LCD A/V Monitor with TV Tuner & Remote Control

- 1280(H) x 1024(V) SXGA resolution
- Convenient front controls for on-screen programming
- Input signal detection provides easy connection
- 350cd/m2 Brightness
- 400:1 Contrast ratio
- A/V, S-video, VGA & antenna/cable inputs
- Regulated 12V DC 50W power supply (UL & CSA listed)
- Screen: 17" TFT • VESA compatible
- Dimensions: 16.25" H x 16.3" W x 2.9" D
- Weight: 11 lbs.

PVM22LCD



### 22" Public View Color LCD Monitor with Color Camera

- High resolution 550 line camera with advanced backlighting controls
- Full OSD control of all functions
- Fully programmable picture-in-picture
- Media card input
- Soft key lock prevents tampering
- Motion sensor triggers built-in camera
- Light sensor turns unit on and off
- 3D comb filter for optimum picture quality
- Full function remote control included
- 2 looping video inputs
- Paint finish: black, white available (special order only)
- Dimensions: 3.3"D x 21.2"W x 16.4"H
- Weight: 23.2 lbs.

## 22" Professional High Resolution Touch-Panel LCD Monitor

**NEW**

- Operate TH, PCL & PC PRO Series DVRs by touching the screen
- 1680 x 1050 high resolution under 16:10 aspect ratio with wide angle view
- Pelco-P/D protocol speed dome support
- Embedded PIP and Side-By-Side Scale Modes
- State-of-the-art 3D Color Comb Filter and 3D de-interlace technology
- Non-linear scaling ratio function support
- Adaptive 3D noise reduction
- Fast refresh rate and response time avoids lag effect
- Selectable 6500° K and 9300° K color temp. settings
- NTSC / PAL Video system support
- Built-in Key Lock feature for easy management
- 75 Ohm Auto Termination
- Built-in speaker for crystal clear audio
- 100mm x 100mm VESA mounting standard
- User-friendly GUI control CCTV system via touch panel
- 4:3 aspect ratio display for normal video with GUI
- Support mode for left-handed users
- Two RS-485 controls
- DVR and Matrix control support
- PC control by RS232 interface (driver required)
- Energy-saving light sensor detection

**Touch-Panel Technology**



**VM22TSLCD**

### LCD Monitor Ceiling Mount



**LCD1CB** black  
**LCD1CW** white

- Holds most 10" - 23" LCD monitors
- Accommodates monitors with 75 or 100 VESA standards
- Mast telescopes 17" - 27" from the ceiling rotates 360° (ceiling) and has adjustable -5° to +30° tilt
- Rotates 240° at the monitor includes clip based cable management system
- Load capacity - 25 lbs.

### Universal LCD Monitor Low Profile with Tilt



**LCDFTB**

- Holds most 10"-23" LCD monitors
- Accommodates monitors with 75 or 100mm VESA standards
- Adjustable tilt -5 to +15° distance from back of wall - 1.7"
- Easy "key hole" wall mount system
- Load capacity - 25 lbs
- Silver powder coat finish

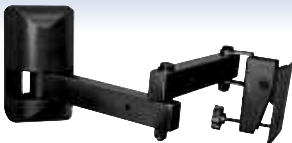
### 19" LCD Monitor Rack Mount



**LCD1RM**

- Accommodates monitors with 75 & 100 mm VESA standards
- Holds most 10" to 17" monitors inverts to also hold up to 23" monitors
- Recesses monitor into rack -9 space racking height
- Load capacity-50 lbs/black static resistant powder coat finish
- Includes mounting screws (monitor to mount) and rack screws (10-32 and 12-24)

### Multi-Configurable Universal LCD Monitor Wall Mount



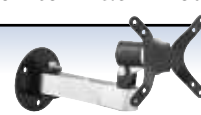
**LCD1B**

- Can be configured as a single arm, double arm articulating or near flush mount with parts provided
- Holds most 10" to 23" LCD monitors
- Accommodates monitors with 75 or 100mm VESA standards adjustable -5° to +30° tilt
- Rotates 240° at the monitor 160° at the wall
- Rotates 240° at the elbow joint (double arm configuration)
- Feed through wall plate with decorative cover includes clip based cable management system

### LCD Monitor Rack Mount



**LCDVLW1**



**LCDVLW2**  
10" extension arm  
for additional versatility

- Supports LCD monitors up to 17 lbs.
- Heavy duty metal construction
- Mates to both 75mm & 100mm VESA hole patterns
- Mounting hardware and adjustment tool included
- Allows for 160 degree horizontal and 100 degree vertical adjustment of your LCD monitor

# 17" or 19" VGA LCD Monitor

NEW

## VMVGA17 - VMVGA19

- DB15 VGA input works with most DVRs and computers
- Zoom and shrink scaling
- Integrated 8 bit triple-channel ADC/PLL
- Built-in internal amplifier and speakers
- 1280 x 1024 SVGA support for computer input
- Supports multiple language selections
- 2D comb filter and 2D de-interlace
- Removable desktop mount
- Vesa 100 compatible
- Full OSD control of all monitor functions
- 12V DC power supply included



**Note:**  
These units do not have  
composite video connections

### 9" B/W High Resolution Monitor



- 800 line resolution
- Up front controls
- Hi resolution display
- LED power light
- Video input/output looping with switchable 75 Ohm termination
- 9.25"L x 9"W x 10"H
- UL listed

VM901B



### 12" B/W High Resolution Monitor



- 800 line resolution
- Up front controls
- Hi resolution display
- Black metal housing
- LED power light
- Video input/output looping with switchable 75 Ohm termination
- Input signal 1.V 5-20 Vp-p composite video s negative
- 12.25"L x 12.25"W x 12.5"H
- UL listed

VM1201B



### 14" Color High Resolution Monitor



- NTSC color signal compatible
- 420 line resolution
- 1 camera input
- Hi/Lo impedance switch
- Up front controls
- Composite video with loop through
- 12.5"L x 14"W x 12.6"H
- UL listed

VM1401C



## 9" Multi-Voltage, Multi-Standard Color Monitor

- 9" color flat tube, 500 TV lines
- NTSC/PAL system auto switchable
- With S video composite video input
- Wide range power source (90VAC-260VAC)
- High performance
- Dual comb-filter
- Discrete front controls



**COLOR 9"**

**VM905C**

## 17" or 21" Color High Resolution Monitor with Audio

- More than 520 CRT line resolution (17")
- More than 450 CRT line resolution (21")
- Convenient front controls
- Rugged metal cabinets
- Looping video input/output
- Hi/Lo impedance switch
- Line level audio capability
- With YC output
- Comb filter for enhanced picture quality
- 15.25"L x 16.5"W x 16.4" (17")
- 19.5"L x 19.25"W x 18"H (21")
- UL listed



**COLOR 21" OR 17"**

**VM2105C (21")**

**VM1705C (17")**



## Portable CCTV Installation & Test Monitor

- Convenient case with shoulder strap
- Handy compact size and shock resistant
- Built-in rechargeable battery
- Includes battery charger
- TFT LCD panel
- 480 x 234 Resolution
- 350cd Brightness
- 250:1 Contrast ratio
- L/R  $\pm 45^\circ$  U/D:  $10^\circ/30^\circ$  View angle
- NTSC
- Video input 1 Vp-p at 75
- 30 mVp-p ~ 100 mVp-p Audio input
- 0.5 Watts max / 8 Audio output
- Video/Audio connector: RCA W/BNC plug Adapter
- 12V.1.1AH. Rechargeable battery
- 12V DC power supply included
- Power consumption 4.5 watts
- 6"W x 5.1"H x 3"D
- 4.3lbs.



**VMS2**  
Extra Battery **BVMS2**

## 2.36" LCD Test Monitor

- 2.36 TFT LCD Screen
- 480 x 243 Resolution
- LED Backlight for Low Power Consumption
- (6) "AA" Batteries Included
- 9-12VDC External Power Supply Can Be Used (not included)
- Loop Through BNC Connections (Auto Terminating)
- Leather Carry Case with Wrist and Shoulder Straps.
- Sunshield Built Into The Case
- NTSC / PAL Dual System Support (Automatically Switches)



**VMS4**

## Real-Time Color Quad Splitter Video Compressor with Alarm Inputs

- For COLOR and or B/W cameras
- Camera sequencing
- Freeze frame on all cameras
- Security lock out button
- Built in motion detection
- Better individual controls
- Alarm inputs, outputs, camera titling and time-date
- On-screen programming
- Includes 117VAC/12V DC power supply
- 10"L X 13.5"W X 2.6"H

### For Color and or B/W Cameras



**RQS5C**

## Sequential Video Switcher Four & Eight Position

- Automatic sequential video switching
- Override for homing or bypass
- LED camera indicator
- Sequencing time adjustable from 0.5 to 30 seconds
- 9.5"L x 12.25"W x 1.75"H



Four position **SQS4B**

Eight position **SQS8B**

## Color Duplex & Triplex Multiplexers



- Allow multiple image sources on one screen while recording full-screen images on a VCR.
- Adj. gain control in VCR playback mode
- Prog. recording between 2-999 hrs.
- Compatible with time lapse VCRs.
- Option available to watch full or multi-screen picture with adj. dwell time and during VCR playback.
- Two distinct sounds alert video loss and alarm detection.
- Built-in time date generator along with 8 character camera title function.
- On-screen programming
- Up to 100 records to record alarm and video loss.
- Event Log RS232 - ASC11 Command

16 ch. duplex **RMX16CD**

9 ch. duplex **RMX9CD**

4 ch. triplex **RMX4CD**

## 1 Input to 4 Outputs - Video Distributor for Coaxial Cabling

- VIDDIST** • 1 video input to 4 video outputs • Power: 12V DC  
• Operates with Color or B/W signals

### BNC75 (optional)

- 75 ohm resister in a BNC connector
- Terminates unused outputs of a distribution amplifier (**VIDDIST**)
- Can be used with any video equipment requiring a 75 ohm BNC termination



**VIDDIST**

## 1 Input to 1 Output - Video Amplifier

- 1 video input to 1 video output
- 10dB video gain compensation, amplification and HF compensation
- Sharpness and brightness adjustment works perfectly with DVR
- Transmission range: 3,200 ft. (RG59 coaxial cable)



**VIDAMP**

## 4 Input to 4 Output Video Amplifier

- 4 video input to 4 video output
- 10dB video gain compensation, amplification and HF compensation
- Sharpness and brightness adjustment works perfectly with DVR
- Transmission range: 3,200 ft. (RG59 coaxial cable)



**VID4AMP**

## Coaxial Balun For DVR

- BNC male to BNC female with mini cable 11.8"
- Gives DVR immunity from interference
- Built-in highly balanced mode of video transmission which is immune to interference from sources of noise: data signals, other video signals, nearby power, ringing telephones, fluorescent lights, transformers and more



**VIDDVR**

## Power and Video Over CAT-5E

- Speco Technologies CAT-5E conversion kit, allows transmission of video and power over CAT-5E cable. The kit includes a transmitter & receiver
- Allows video and power over CAT-5E cable up to 600 ft.
- Works with any baseband signal (not just cameras)
- Can be used with all Speco Technologies B/W & Color cameras
- Ideal for new construction and retrofits
- Compatible with current TIA-568 & TIA-570 structured CAT-5 cabling standards
- Connects to CAT-5E through the use of a 6-pin terminal connector
- Add your own 12V DC power supply not supplied.



VIDCAT2

## Passive Baluns

- Allows the use of UTP CAT-5E cabling.  
More flexible security and surveillance cabling for quicker installations
- Allows up to 1900 feet for B/W, 1000 feet for color, via CAT-5 UTP
- Screw terminals for easy connection
- Compact design
- Sold in pairs



**Solution For  
Long Runs!**



VIDUTP

## Converts 24 Volts AC to 12 Volts DC

- Operate your 12 Volt DC cameras on a variety of voltages
- Regulated 12 Volt DC output @ 500 mA
- Accepts 20 to 28 Volts AC and converts it to 12 Volts DC
- Accepts 15 to 30 Volts DC and converts it to 12 Volts DC
- Voltage input via 2-pin terminal block
- 12 Volt DC output via 2.4 coaxial female power connect
- Mechanical: Converter is 2.5"L x 1.2"W x .9"H;  
Input and output cables are .5" each



VID2412CONV

## Ground Loop Isolator Built-In Video Balun

### Model for Coax & UTP

- BNC male to 2 pin terminal block (UTPGL) or BNC female to BNC male
- Built-in video BALUN transmits a full motion mono chrome video signal up to 1,900 ft., color video signal up to 980 ft.

- Eliminate coaxial cable
- Built-in TVS (Transient Voltage Suppressors) for surge protection



For coax **VIDGL**  
BNC female to BNC male **UTPGL**

## Full Range RF Modulator with LED Display

- Converts video & audio signals to RF
- Digital phase lock loop tuning eliminates channel drift
- 120 selectable channels UHF - Channels 14-69; Cable Channels 65-94, 100-125
- Full channel memory for power outages

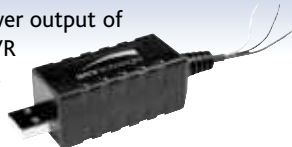
- Surface mount technology PC Boards
- Isolated left & right inputs improve audio performance for multiple audio inputs
- EZ tuning setup
- 3.8" L x 4.1" W x 1.5" H



**MOD1001D**

## USB Power Loss Detector

The USBPL1 detects the power output of any active USB port on a DVR or computer. If the power is interrupted, the output status of the leads changes and can be used to trigger an alarm or other notification.



- Operating Voltage: 5V DC as supplied by USB port
- Pick-Up Voltage: 3.75V DC
- Operating Current: 28.1mA (140mW)
- Dimensions: 3" W x 0.9" H x 0.9" D
- Wire Length: 5.9"

**USBPL1**

## Channel 3/4 RF Modulator

- Converts a composite video signal to an NTSC RF signal
- Set for channel 3-4
- Connect a video camera to a TV antenna for security surveillance
- Connect a home satellite receiver to a standard TV antenna
- Inputs: RCA, Audio and Video
- Outputs: F connector - UL listed
- 3.25" L x 4.5" W x 1.25" H



**RFM1A**

## Remote Control For Intensifier™ Series Cameras

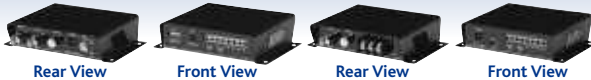
- IR remote control and receiver
- Replaces lost or damaged controls
- Output of the receiver is RS485C over UTP
- Controls the OSD and PTZ of many RS485 control compatible cameras & Intensifier™ cameras

- Requires a PSW5 12 volt DC power supply
- May require the model RC485C accessory in some cases.



**RCINT**

## Active Video/Audio/Data Twisted Pair Transmission



- Transmit video, audio and data signal (RS422, RS485)
- Three position range switch for gain select on transmitter
- Five position activation switch on receiver, brightness adjustment, two video outputs
- Built-in transient protection and ground lifting
- Extended range for CAT-5E UTP Transmission
- Power supply included

UTP4A

## 4 Channel Active Receiver



- Built-in 4 port active receivers
- Built-in highly balanced mode of video transmission for extra interference immunity
- Extended range for UTP transmission
- 12V DC power supply included

UTP4AR

## 16 Port Passive Transceiver HUB in 1U Rack Mounting Panel

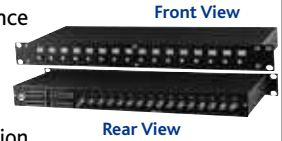
- 16 port passive transceivers in 1U 19" rack mounting panel
- Passive transmitter hub, use with active receiver at a distance up to 3,200 ft.
- Passive, no power required
- Built-in a highly balanced mode of video transmission for extra interference immunity



UTP16P

## 16 Port Active Receiver HUB in 1U Rack Mounting Panel

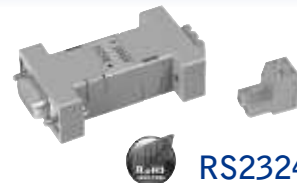
- 16 port active receivers in 1U 19" rack mounting panel
- Active receiver hub, use with active transmitter at a distance up to 3,200 ft.
- Built-in a highly balanced mode of video transmission for extra interference immunity
- Built-in transient protection and ground lifting
- Extended range for UTP Transmission



UTP16AR

## RS232 to RS485 Converter

- RS232 DB9 serial female converting Terminal Block for RS485 - Data in/output
- Two wire, different signals, half duplex
- Passive operation
- Auto sensing baud rate, speeds up to 115,200 baud over a distance of 3,900 ft.
- Units connected together in RS-485 multidrop operation



RS232485C

## Video Transceiver with 10" Mini Coax BNC Cable

- Compact size, perfect to connect with an image processor which has multi BNC connections such as a multiplexer, quad, DVR, etc.
- BNC male to terminal block
  - Weatherproof, IP65
  - Full balun operation



UTPPTAIL

## 4 Channel Passive Video Receiver

- 4 x BNC female to 1 x RJ45 female and 8 pin terminal block
- Four passive transceivers in one product
- RJ45 and push pin terminal inputs/ outputs



UTP4P

## VGA/Keyboard/Mouse CAT5 Extender – PS/2 Interface

- Extend VGA and keyboard mouse over 2 CAT5 UTP cables (instead of VGA cable and keyboard mouse cable)
- Allows extension for transmission range of up to 300 feet
- Includes local and remote unit
- No power required



**KVMPC2**

## Keyboard/Mouse CAT5 Extender– USB Interface

- Extend USB keyboard and mouse via one CAT5 cable
- Allows extension for transmission range of up to 300 feet
- Includes local and remote unit (local unit – PC side: USB to RJ45, remote unit (keyboard mouse side): RJ45 to PS/2)
- No power required



**KMUSB**

## CAT5/VGA Extender

- Operate your VGA monitor up to 440' through CAT 2 cable
- Includes 2 units: transmitter and receiver
- Transmitter built-in virtual DDC to avoid improper setting for resolution & frequency and built-in sync mode selection for signal stability
- Receiver has built-in sync mode selection for signal stability
- Supports up to 1290 x 1024 pixels
- Extend transmission range to over 440' via standard 4 pairs CAT6 UTP/STP cable instead of VGA cable
- No power required
- Perfect for classroom, lecture halls, video information displays, etc.

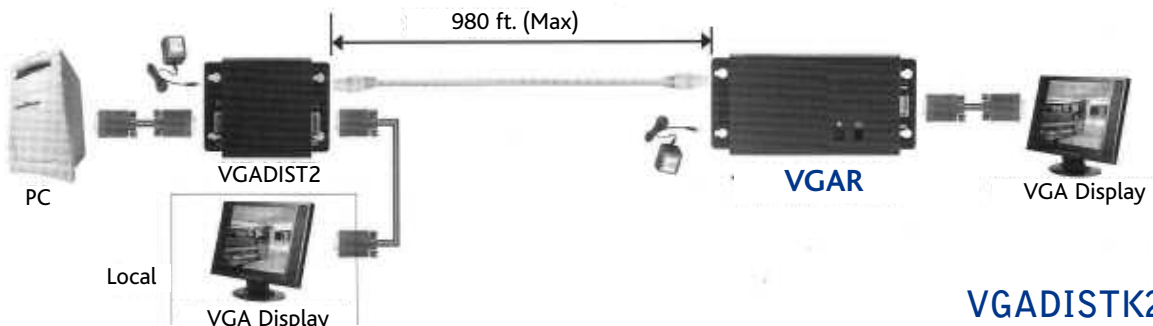


**VGA135**

## CAT5/VGA Kit, 1 Input to 2 Output Splitter

**Kit includes:** • One VGADIST2 transmitter • One VGAR receiver • Two power supplies

- Dual output: 1 VGA loop output for local, plus 1 x CAT5 RJ45 output for remote side
- Use of CAT5 cable instead of VGA cable
- Long range transmission of up to 980 feet (max).
- Built-in contrast, brightness adjustment at VGAR receiver
- Supports up to 1600 x 1200 @85Hz



**VGADISTK2**

## CAT5/VGA Kit, 1 Input to 5 Output Splitter

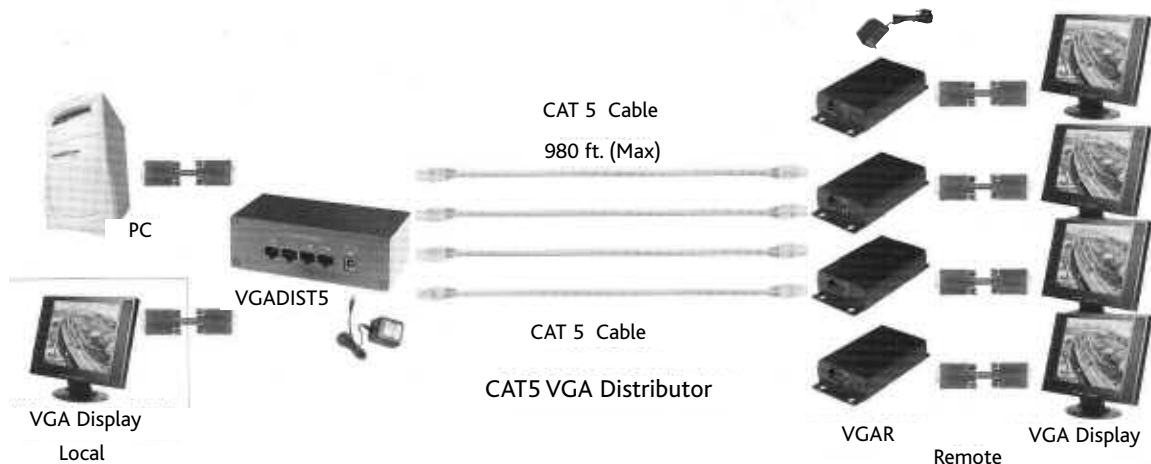
### VGADISTK5

**Kit includes:**

- One VGADIST5 transmitter
- One VGAR receiver
- Two power supplies



- Dual output: 1 VGA loop output for local, plus 4 x CAT5 RJ45 outputs to remote monitors
- Up to 4 VGAR receivers for each remote monitor with VGA input (order separately)
- Allows use of CAT5 cable instead of VGA cable
- Power supply included
- Long range transmission of up to 980 feet (max).
- Built-in contrast, brightness adjustment at VGAR receiver
- Supports up to 1600 x 1200 @85Hz



## CAT5 Long Range VGA Receiver

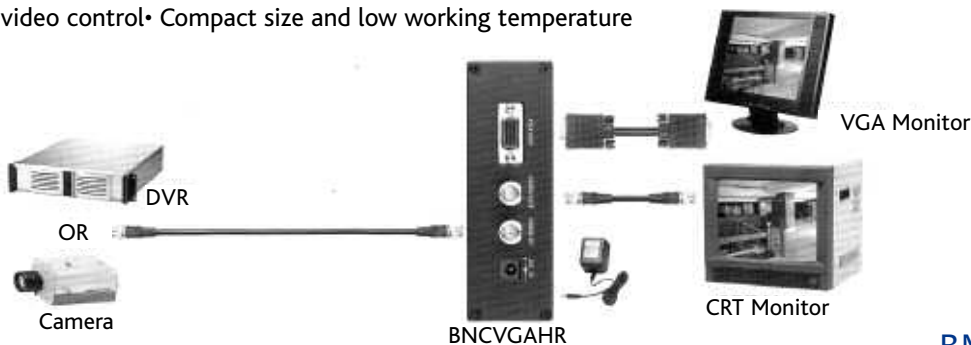
- VGA receiver for VGADIST5 or VGADISTK2 for remote VGA Display Equipment
- Built-in contrast, brightness adjustment
- Supports up to 1600 x 1200 @85Hz
- Power supply included



VGAR

## High Resolution Video to VGA Converter

- Input: allows composite video output to be viewed on a VGA monitor (CRT or LCD)
- Dual output: BNC x 1 for TV monitor and DB15 x 1 for VGA monitor
- High resolution VGA display up to 1280 x 1024 @60Hz
- Frequency output: 59Hz to 85Hz
- On screen display function: Hue, Brightness, Contrast, Saturation
- OSD video control • Compact size and low working temperature



**BNCVGAHR**

## Audio CAT5 Extender and Ground Loop Device

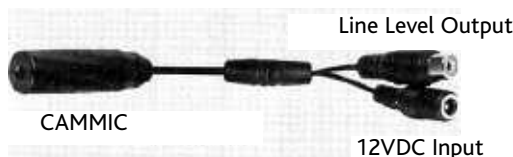
- Gold-plated RCA female to RJ45
- Used in pairs via one CAT5 UTP cable to send audio signal of up to 1 mile
- 20Hz to 20kHz bandwidth
- Available for 75 – 120 ohm cable
- High performance to eliminate audio ground loop problem
- No power required
- Sold in Pairs



**UTPAUDIO**

## Hi Impedance Line Level Universal Mic

- Add-on mini microphone for all systems
- High sensitivity microphone with 1.5 ft. power/audio cable
- Easy to install and ideal for all security surveillance audio recording applications
- Line level output



**CAMMIC**

## IP Converter for RG59 Coax

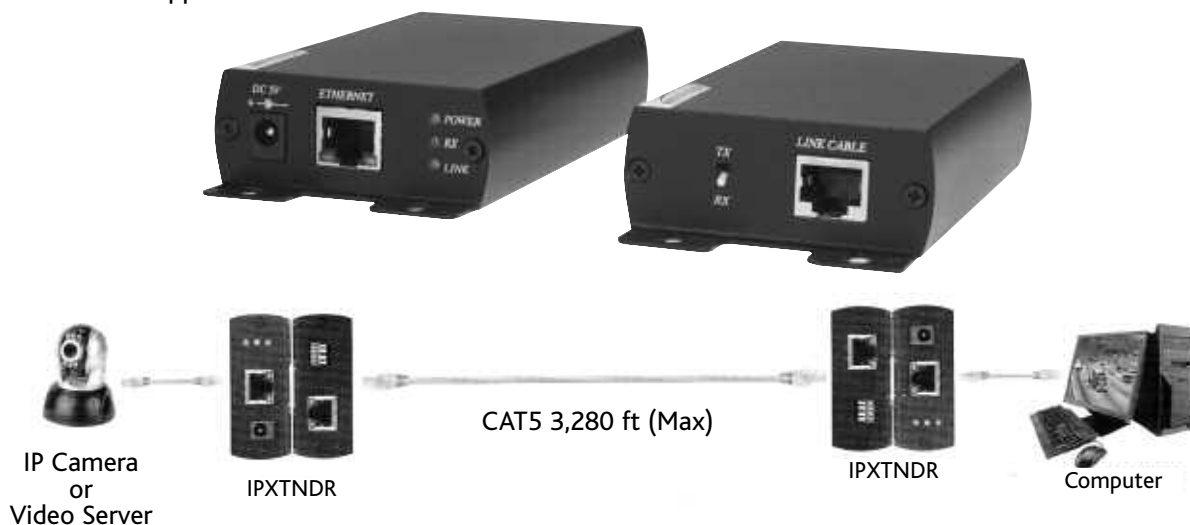
- Send IP camera signal over existing coaxial (RG59) cable
- Exceeds 802.3 10BaseT NEXT specification, isolating the receiver from the transmission signal
- Transmission up to 650 feet (max.)
- No power required



IPRG59

## Active Ethernet Extender Kit

- Send IP camera signal over existing CAT5 cable
- Exceeds 802.3 10BaseT NEXT specification, isolating the receiver from the transmission signal
- Transmission up to 3,280 feet (max.)
- Power supplies included



IPXTNDR

## Color Four Wire Video Security Intercom System

Our two-way video security intercom system has a flat 4" screen. It offers a two way manual switcher, a 165 foot maximum wiring distance and can be used with an optional door release. The manual switcher allows the system to be expandable up to 2 monitors and 2 cameras. The system comes with an outdoor flush mount camera.

**VDP6000**  
Color System



extra surface mount color monitor  
**VDPM6F**

### Specifications

	<b>VDPM6F (Color Monitor)</b>	<b>VDPC6F (Flush Mount Color Camera)</b>
<b>Angle of Picture</b>	N/A	Horizontal: 110° - Vertical 92°
<b>Call Signal Device</b>	Door chime	Push button
<b>Communication System</b>	Duplex handset	Duplex hands free conversation
<b>Connection</b>	Screw terminals DIN connector	Screw terminals
<b>Dimension</b>	8-1/4"(H) x 7-1/2"(W) x 2-1/3"(D)	7-1/4"(H) x 4-3/4"(W) x 3/4"(D)
<b>Housing</b>	White ABS plastic	Pewter gray metal
<b>Illumination</b>	LCD backlit	Infrared LED's
<b>Lens</b>	N/A	3.6mm
<b>Max Wiring Distance</b>	165' (22AWG wire)	165' (22AWG wire)
<b>Minimum Illumination</b>	N/A	0.1 lux on object up to 19 feet
<b>Monitor</b>	4" Flat B/W CRT	N/A
<b>Operating Temp</b>	14°F to 104°F	-4°F to 122°F
<b>Output Impedance</b>	N/A	Video 300 ohm - Audio 600 ohm
<b>Power Source</b>	Regulated 12V DC, (power supply included)	Power supplied from monitor
<b>Scanning Frequency</b>	Horizontal: 15.75 KHz, Vertical: 60Hz	Horizontal: 15.75 KHz, Vertical: 60Hz
<b>Weight</b>	2.86 lbs.	1.1 lbs.
<b>Wiring</b>	4 Wires, 22 gauge minimum	4 Wires, 22 gauge minimum
<b>Relay Output</b>	N.O.	For remote access

### Video Security Intercom System - Outdoor Camera

- Infrared LED viewing for night illumination • 3.6mm wide angle lens • Weatherproof camera with aluminum die cast cover
- Sensitive condenser microphone receives outside audio • Tamperproof screws • Angle control allows for adjustment of camera lens angle • Call button activates monitor and chime showing picture of the caller automatically

Surface mount color camera (Dimensions: 1.6"D x 3.5"W x 4.75"H) **VDPC6S**  
Flush mount color camera (Dimensions: 2"D x 4.75"W x 7.25"H) **VDPC6F**

# Camera Mount Compatibility Chart

Type	Model No.	CVCTPLATE	BCP	DFM series	7246WMT	CVCTPEXT	WMSD10X & CPSD10X
Bullet	HT771SDNV	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	HT781SDNV	•			CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	HT791SDNV	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	WDR81	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	IPWDR81	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	IPINTB1	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	IPINTB2	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	SIPB1	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	SIPB2	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	SIPMPB	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC1700	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC1705	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC6700	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC6705	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC6800EX	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC6805EX	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC7706DNV	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC870EX	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC628M	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	HTINTB8.9.10	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	VLB11SCSFF	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	HTB11FFI(L)	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC550EX	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	CVC7700DN	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	HTINTB1	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	HTINTB2	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	SIPWDRB2	•	•		CVCTPLATE + CVCTPEXT	Using CVCTPLATE	
	HTD8SCS series		Using 7246WMT		•	•	
	HT7246iHR		Using 7246WMT	DFM2	•	•	
	HT7247iHR		Using 7246WMT	DFM2	•	•	
	HT7250iHR		Using 7247WMT	DFM3	•	•	
	SIPD3		Using 7246WMT		•	•	
	SIPMPD		Using 7246WMT		•	•	
Dome	CVC6146SCS		Using 7246WMT	DFM1 or DFM2	•		
	CVC6246iHR		Using 7246WMT	DFM1 or DFM2	•		
	HTINTD8.9.10		Using 7246WMT		•	•	
	CVC624WDR		Using 7246WMT	DFM1 or DFM2	•		
	WDRD3		Using 7246WMT		•	•	
	VLD7SCSFF		Using 7246WMT	DFM3	•	•	
	CVC6146SCSFF		Using 7246WMT	DFM1 or DFM2	•		
	HT7248Fi(L)		Using 7246WMT	DFM3	•	•	
	HTD8Fi(L)		Using 7246WMT		•	•	
	VLD8SCSFF		Using 7247WMT		•	•	
	HTINTD3.4		Using 7246WMT		•	•	
Speed Dome	IPSD10X						•
	HTSD10X						•
	SIPSD10X						•
Bracket	CVCTPLATE	CVCTPEXT + 7246WMT Using CVCTPEXT	7246WMT + CVCTPEXT		Using CVCTPEXT	•	
	BCP		•		Using 7246WMT	•	
	7246WMT		•				
	RC485		Using 7246WMT		•		
	CVCTPEXT	•	Using 7246WMT		•		

## Conduit Compatible Dome Extension For Select Dome Cameras



- See chart on pg 78 for compatible cameras
- Acts as junction box and conduit access



**CVCTPEXT**

## Weatherproof Heavy Duty Camera Housings Include Built-In Heater/Blower & Bracket

- Operates on 12V DC blower, & bracket
- Ivory Housing Color
- Use PSW4 power supply
- Hardware will not rust
- Housing with heater, 15 1/4"L x 5 1/2"W x 4"H
- Bracket dimensions: 11 1/2"L x 3 1/4"W x 4"H



**VCH400HBMT**  
**VCH400MT**

Housing & bracket only



## BCP & 650CP Corner/ Pole Adaptor For use with cameras as noted in this catalog

- Pole mount applications require straps which are sold separately see below
- Optional straps available in sizes to fit poles From 3" Dial. & above



**CPSD10X** ivory **650CPS** silver  
**BCP** gray **650CPW** white

## DVR/VCR 16 Gauge Steel Lock Box with Fan



Front



Rear

For desktop DVR or VCR units measuring  
up to 21"W x 21" L x 8" H

**LB1**

## Straps Used with BCP & 650CP Pole Mounts See Above

### 650STRAP7:

For pole diameters 2.8" - 7"\*

### 650STRAP12:

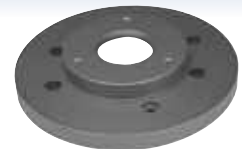
For pole diameters 6.7" - 12"\*



\*Straps can be combined for larger Diameter poles

## CVCTPEXT Camera Mounting Accessory

Use with the CVCTPEXT to provide  
"Cable through the Mount" bullet cameras  
with a junction box / conduit access point.  
Used alone allows these same cameras to  
cover a single gang box. 5" Diameter.  
Comes with all necessary hardware and  
gaskets for weatherproof installations.



**CVCTPLATE**

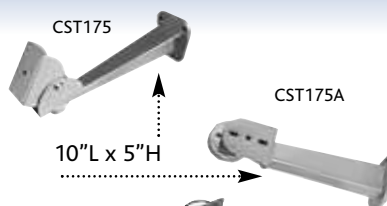
## T-Bar/Wall/Ceiling Pedestal Camera Mount

- All parts included to use as a T-Bar, Wall, Ceiling or Pedestal mount.
- Attaches to dropped ceilings
- 4"L x 1.5"H



**CSTTBAR**

## 11" Heavy Duty Cast Aluminum Camera Mount Bracket



**CST175A** Aluminum **CST175** Beige

## Wall Mount For HT7246iHR Dome Camera

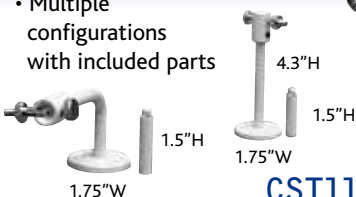
- See chart on pg 78 for compatible cameras



**7246WMT**

## Universal Camera Bracket with 90° Attachment

- Multiple configurations with included parts



**CST110**

## Universal Camera Bracket



- Black metal bracket
- 360° rotation
- Use with mini cameras
- Standard 1/4" thread
- 2.25"H x 1.75"W

**CST115**

## 6" Universal Camera Brackets



Black **CST125**  
Almond **CST125A**

**CST100**

## Dome Flush Mount Kit

See Chart On Page 79 For All Compatible Cameras

The DFM2 Dome Flush Mount Kit allows select Speco Technologies dome cameras to be flush mounted into walls and ceilings.

**DFM2-Compatible dome camera models:**  
*HT7246IHR, HT7247IHR, CVC6246IHR Series, CVC6146SCS Series, VL648IR Series, CVC648IR Series & the CVCM6DC mirrored dome.*

**DFM3-** *VLD7SCSFF, HT7248FFi*

- Back box easily flush mounts into hollow walls and ceilings.
- Flush mount box is secured with the use of four EZ mount retaining clamps.
- Perfect for existing construction.
- Preconfigured to fit several types of Speco tamperproof and indoor dome cameras



**NEW**

**DFM2 & DFM3**

## Camera Lenses, Cables & Adapters

WE STOCK A COMPLETE LINE OF LENSES TO FIT ALL CAMERAS. ALL LENSES ARE CS MOUNT UNLESS SPECIFIED.

**NOTE: ALL C MOUNT LENSES CAN BE USED ON CS MOUNT CAMERAS WITH ADAPTER RING**

C/S Varifocal Lens				C/S Fixed Lenses		
VF3.58	3.5-8mm F1.4	Manual Iris		CL8	8mm F1.3	No Iris
VF3.58 DC	3.5-8mm F1.4	DC Auto Iris	4 pin connector	CL16	16mm F1.6	No Iris
VF2.812	2.8-12mm F1.4	Manual Iris		CSAR1	CS Mount Adapter Ring	
VF2.812 DC	2.8-12mm F1.4	DC Auto Iris	4 pin connector	Megapixel Lenses		
VF660 DC	6-60mm F1.6	DC Auto Iris	4 pin connector			
VF5100 DC	5-100mm F1.8	DC Auto Iris	4 pin connector	VFMP2.2812	2.8mm-12mm	Manual Iris
				VFMP2.2812DC	2.8mm-12mm	Auto Iris

### Lens Option For Color & B/W Board Cameras

**LO**



**CLB2.2** 2.2mm board camera lens  
**CLB2.5** 2.5mm board camera lens  
**CLB2.9** 2.9mm board camera lens  
**CLB3.6** 3.6mm board camera lens

**CLB6** 6mm board camera lens  
**CLB8** 8mm board camera lens  
**CLB12** 12mm board camera lens  
**CLB16** 16mm board camera lens

### Power Supplies & BNC Cables



24 Volt AC power supply, 20 Volt amps terminal connections .....**PSW3**  
 24 Volt AC power supply, 50 Volt amps terminal connections .....**PSW4**  
 12 Volt DC power supply, 1000mA, 1amp center positive .....**PSW5**



**BNC**



**RCA**

**RG59U** Coaxial cable .....**RG59**  
 3 ft. cable (BNC male to BNC male) .....**BB3**  
 6 ft. cable (BNC male to BNC male) .....**BB6**  
 12 ft. cable (BNC male to BNC male) .....**BB12**  
 25 ft. cable (BNC male to BNC male) .....**BB25**  
 50 ft. cable (BNC male to BNC male) .....**BB50**

### CCTV Power/Video Extension Cables, Combines Both Power & Video Signal in One Multi-Purpose Cable



**BNC to RCA**  
 25 ft. cable .....**CBL25**  
 50 ft. cable .....**CBL50**  
 100 ft. cable .....**CBL100**  
 150 ft. cable .....**CBL150**

**BNC to BNC**  
 25 ft. cable .....**CBL25BB**  
 50 ft. cable .....**CBL50BB**  
 100 ft. cable .....**CBL100BB**  
 150 ft. cable .....**CBL150BB**

## B/W or Color?

Until recently B/W cameras accounted for the majority of the CCTV market. Their combination of high quality and low cost made them the obvious choice for system's use. They offer high resolution of between 400 to 700 lines, and low light sensitivity of .02 lux or better. They are also automatically IR sensitive for use with supplemental or existing sources of IR lighting. They are priced lower than color cameras but their cost savings do not stop there. The support equipment used with B/W cameras costs considerably less also. For example, a B/W multiplexer costs less than a color version. The same cost comparison could be made for B/W vs. color quad splitters and monitors. Generally speaking you can put together a high quality B/W CCTV system that will remain trouble free for years to come at a fair price.

Color equipment has recently made tremendous advances. The cameras now range from a moderate 350-line resolution with 1 lux of sensitivity, to 550 lines of resolution with .03 lux of sensitivity. Many color cameras are classified as day/night allowing them to give you good color pictures by day, and then switching to a high quality B/W picture at night. Color cameras can now be IR sensitive, a feature that was unheard of not too long ago. In addition, DSP (digital signal processing) has made color cameras easy to use while taking many of the controls (and decisions) away from the installer. On the price side color cameras have been coming down in cost along with their associated support equipment like multiplexers, quad splitters and monitors. Items like DVRs and VCRs don't care if a camera is color or B/W so the cost of these items remains constant. A color system today will still cost about 30% more than a similar B/W, but to many people it is well worth it to see color images, like they see on their home TV sets. Just remember that color is less forgiving than B/W. A marginal installation that displayed a great B/W picture may not stand up to a color signal. Incorrect cable, connectors, splitters and power are just some of the items to watch out for when going color.

## Resolution and Angle of Coverage

Resolution refers to a camera's ability to see detail, while the Angle of Coverage deals with how much area is being placed onto the monitor for viewing. Normally we think about these two specifications separately, but when designing a system it is best to combine them. The highest resolution camera will not be able to identify a person's face if the camera is watching an area of 100' in width, whereas the lowest resolution camera will give you facial identification if the camera is only viewing the width of a doorway. Always try to match the covered area to the surveillance objective. If you are asked to cover a large parking lot there is no set formula to accomplish this. You must find out what your customer expects the camera to see. A single normal resolution camera can show a large parking lot if the objective is to see how crowded it is. A single high-resolution camera will add some detail to the scene and begin to show certain details of the cars and the people walking around. Multiple cameras, each showing smaller areas of the parking lot will be required if you want details of what the people are doing and what they look like. Speed Domes offer the ability for a single camera to cover large areas with varying amounts of detail. They accomplish this by panning, tilting and zooming either under operator control or through pre-programmed sequences. The drawback of Speed Domes is the high initial cost and the fact that they can only watch one area at a time, leaving other areas vulnerable.

## How far will the camera see?

A camera will see to infinity. If you point the camera towards the moon, it will see it. What the customer really wants to know is how far the camera will see with clarity. It is your job to find out the distance and width that the customer needs to see. Do they want to recognize a face or see if a large truck is in a parking lot? This will determine the mm of the lens and the area of coverage. There are various methods for determining what size lens to use in various circumstances, including lens wheels and computer programs. Here is a short summary of coverage for the most popular lens sizes:

## Angles (in degrees) of select lenses on 1/3" and 1/4" format cameras

1/3" Format				1/4" Format		
Lens mm	Horizontal Degrees	Vertical Degrees	Diagonal Degrees	Horizontal Degrees	Vertical Degrees	Diagonal Degrees
2.5mm	90	72	101	65	51	85
2.9mm	80	64	92	57	44	77
3mm	77	62	90	56	43	75
3.6mm	67	53	80	47	36	65
4mm	63	48	74	43	33	60
6mm	44	33	53	29	22	42
8mm	34	26	41	22	17	32
12mm	23	16	28	15	11	21
16mm	17	13	21	11	8	16

Bullet Camera Comparison Chart

Model	Color B/W Day/Night	Resolution	Light Level (lux)	Voltage	Power Supply	Weather proof	Standard Lens mm	Optional Lenses	Format	Sun Shield	LEDs & Range	Conduit compatible with cable "through the mount"	Other Features
CVC Series	CVC122PH	420	0.05	12VDC	Incl.	No	4.3mm Conical Pinhole	No	1/3"	No	N/A	No	Conical Pinhole for Thick Materials
	CVC130R	420	0.02	12VDC	Incl.	Yes	3.6mm	No	1/3"	No	N/A	No	
	CVC1700 Series	420	0.02	12VDC	Incl.	Yes	3.6mm	Yes	1/3"	Yes	N/A	Yes	Cable Through the Mount
	CVC1705	420	0.02	12VDC	Incl.	Yes	4-9mm VF	No	1/3"	Yes	N/A	Yes	
	CVC622PH	380	1.0	12VDC	Incl.	No	3.6mm Conical Pinhole	No	1/3"	No	N/A	No	Conical Pinhole for Thick Materials
	CVC635N	420	1.0	12VDC	Incl.	Yes	2.9mm	Yes	1/4"	Yes	N/A	No	
	CVC6700 Series	420	1.0	12VDC	Incl.	Yes	2.9mm	Yes	1/4"	Yes	N/A	Yes	Cable Through the Mount
	CVC6705	420	1.0	12VDC	Incl.	Yes	4-9mm VF	No	1/4"	Yes	N/A	Yes	Cable Through the Mount
	CVC627SCS	540	0.5	12VDC	PSW-5	Yes	6mm	No	1/3"	Yes	20 IR/45'	No	Full OSD Control
	CVC6700SCS	540	0.5	12VDC	PSW-5	Yes	3.6mm	Yes	1/3"	Yes	N/A	No	Full OSD Control
	CVC6705SCS	540	0.5	12VDC	PSW-5	Yes	4-9mm VF AI	No	1/3"	Yes	N/A	No	Full OSD Control
	CVC550EX	480	0.03	12VDC/24VAC	PSW-4	Yes	5-50mm VF AI	No	1/3"	Yes	N/A	Yes	Cable Through the Mount
	CVC637EX	470	0.03	12VDC	Incl.	Yes	3.6mm	Yes	1/3"	Yes	N/A	No	Miniature Bullet
	CVC6800EX	470	0.03	12VDC	Incl.	Yes	6mm	Yes	1/3"	Yes	N/A	Yes	Cable Through the Mount
	CVC6805EX	470	0.03	12VDC	Incl.	Yes	4-9mm VF	6mm	1/3"	Yes	N/A	Yes	Cable Through the Mount
	CVC7700DN	470	0.03/0*	12VDC/24VAC	PSW-4	Yes	4mm	No	1/3"	Yes	12 IR/60'	Yes	SGT/Heater-Line Lock 24V Mode
	CVC7706DNV	540	0.03/0*	12VDC/24VAC	PSW-4	Yes	3.5-9mm VF AI	No	1/3	Yes	12 IR/75'	Yes	Mechanical IR Filter, Heater, SGT
	CVC870EX	470	0.03*	12VDC	Incl.	Yes	4-9mm VF AI	No	1/3"	Yes	N/A	Yes	Cable Through the Mount
	HT7715DNV	470	0.03/0.00*	12VDC/24VAC	PSW-4	Yes	3-9mm VF	No	1/3	Yes	12 IR/60'	Yes	Heater/Split Glass Technology
H.E.A.T. Series	HT7815DNV	480	0.03/0.00*	12VDC/24VAC	PSW-4	Yes	3-9mm VF	No	1/3	Yes	12 IR/75'	Yes	Heater/Split Glass Technology
	HT7816DNV	600	0.5/0*	12VDC/24VAC	Incl.	Yes	3.8-9.5mm VF AI	No	1/3"	Yes		Yes	True Day/Night
	HT7915DNV	480	0.03/0.00*	12VDC/24VAC	PSW-4	Yes	5-50mm VF	No	1/3	Yes	12 Super/100'	Yes	Heater/Split Glass Technology
	HTB10X	580	0.1/0*	12VDC/24VAC	Incl.	Yes	3.8-38mm VF AI	No	1/3"	Yes	Intensifier	Yes	10X Optical Zoom/10X Digital Zoom
	HTINTB1	580	.002	12VDC/24VAC	PSW-4	Yes	3-9mm VF AI	No	1/3"	Yes	Intensifier	Yes	See color in the dark w/ no IR
	HTINTB2	580	.002	12VDC/24VAC	PSW-4	Yes	5-50mm VF AI	No	1/3"	Yes	Intensifier	Yes	See color in the dark w/ no IR
	HTINTB4	580	0.2/0.09*	12VDC/24VAC	PSW-4	Yes	3.8-9.5mm VF AI	No	1/3"	Yes		Yes	See color in the dark w/ no IR
	HTINTB8	580	0.002	12VDC/24VAC	PSW-4	Yes	2.8-12mm VF	No	1/3"	Yes	Intensifier	Yes	See color in the dark w/ no IR
	HTINTB9	580	0.002	12VDC/24VAC	PSW-4	Yes	5-50mm VF	No	1/3"	Yes	Intensifier	Yes	See color in the dark w/ no IR
	HTINTB10	580	0.002	12VDC/24VAC	PSW-4	Yes	9-22mm VF	No	1/3"	Yes	Intensifier	Yes	See color in the dark w/ no IR
Waterproof	CVC320WP	420	0.02/0*	12VDC	Incl.	Yes	3.9mm	No	1/3"	Yes	8 IR/15'	No	Nitrogen filled
	CVC321WP	420	0.02/0*	12VDC	Incl.	Yes	3.9mm	No	1/3"	Yes	10 IR/25'	No	120' Cable
	CVC620WP	350	1.0	12VDC	Incl.	Yes	3.6,1mm	No	1/4"	No	N/A	No	Waterproof
	CVC627,B,W	420	0.1/0*	12VDC	Incl.	Yes	3.6mm	No	1/4"	Yes	20 IR/45'	No	Split Glass Technology
	CVC627M,MR	420	0.1/0*	12VDC	Incl.	Yes	2.9mm	No	1/4"	Yes	12 IR/45'	No	Marine Applications
	CVC628M,MR	420	0.1/0*	12VDC	Incl.	Yes	3.6mm	No	1/3"	Yes	12 IR/45'	Yes	Marine Applications
	CVC960IR	420	1.0	12VDC	Incl.	Yes	3.6mm	No	1/4"	Yes	48 IR/60'	No	Built-In Fan
	CVC638/170	380	1.0	12VDC	Incl.	Yes	2.2mm	No	1/3"	No	N/A	No	170° Coverage
	VL10V/L11	420	0.5/0*	12VDC	PSW-5	Yes	4.3mm	No	1/3	Yes	N/A	No	Weatherproof
	VL128RS	420	0.02	12VDC	Incl.	Yes	3.6mm	Yes	1/3"	Yes	N/A	No	Weatherproof
Value Line	VL62V/L62W	420	.92/0*	12VDC	Incl.	Yes	3.6mm	No	1/4"	No	8/35'	No	Waterproof/Plastic case
	VL634	380	1.0	12VDC.	Incl.	Yes	3.6mm	Yes	1/3"	Yes	N/A	No	Weatherproof
	VL-66V/L66W	420	.92/0*	12VDC	PSW-5	Yes.	4-9mm VF AI	Yes	1/4"	No	18 IR/50'	No	Weatherproof, Plastic Housing
	VL67	420	.92/0*	12VDC/24VAC	PSW-5	Yes	4-9mm VF AI	Yes	1/3"	No	18 IR/50'	No	Weatherproof, Metal Housing

\*With IR On. Most models are also available with white housing.

# Dome Camera Comparison Chart

Model	Color- B/W Day/Night	Resolution	Light Level (lux)	Voltage	Power Supply	Housing	Standard Lens	Optional Lenses	Special Features
CVC927PTZ	Color, Day/Night	480	0.15	24VAC/1AMP/Indoor 24VAC/3AMP/Outdoor	PSW-6	Many Options	18x Optical	No	Speed Dome - Slow Shutter
HT650PT10X	Color, Day/Night	540	0.5	12VDC	Included	Weather/Tamper <sup>3</sup>	3.8-38mm Zoom	No	10X Motorized Optical Zoom & 10X Digital Zoom PTZ
HT650PTDZ	Color, Day/Night	540	0.5	12VDC	Included	Weather/Tamper <sup>3</sup>	4-9mm Auto Iris	No	
HTINTD3	Color, Day/Night	580	.002	12VDC/24VAC Dual Voltage	PSW-4	Weather/Tamper <sup>3</sup>	3-9mm	No	
HTINTD4	Color, Day/Night	580	.002	12VDC/24VAC Dual Voltage	PSW-4	Weather/Tamper <sup>3</sup>	5-50mm Auto Iris	No	Intensifier Series, See color in complete darkness without IR LEDs
HTINTD8	Color, Day/Night	580	.002	12VDC/24VAC Dual Voltage	PSW-4	Weatherproof	2.8-12mm	No	Intensifier Series, See color in complete darkness without IR LEDs
HTINTD9	Color, Day/Night	580	.002	12VDC/24VAC Dual Voltage	PSW-4	Weatherproof	5-50mm	No	Intensifier Series, See color in complete darkness without IR LEDs
HTINTD10	Color, Day/Night	580	.002	12VDC/24VAC Dual Voltage	PSW-4	Weatherproof	9-22mm	No	Intensifier Series, See color in complete darkness without IR LEDs
CVC385TP	B/W	420	0.02	12VDC	Included	Weather/Tamperproof	3.6mm	Yes	3-Camera Dome
CVC3805TP	B/W	420	0.02	12VDC	Included	Weather/Tamperproof	4-9mm VF AI	No	
CVC386TP3	B/W	420	0.02	12VDC	Included	Weather/Tamperproof	3.6mm		
CVC6146IHR	Color	550	0.3	12VDC/24VAC Dual Voltage	Included	Normal <sup>3</sup>	2.8-11mm	No	Intensifier Series, See color in complete darkness without IR LEDs
CVC6246IHR	Color, Day/Night	580	0.002	12VDC/24VAC Dual Voltage	Included	Normal <sup>3</sup>	2.8-11mm VF AI	No	Intensifier Series, See color in complete darkness without IR LEDs
VL64TP <sup>w</sup>	Color	420	1	12VDC	Required	Indoor/Tamper	2.9mm	No	Test Connector
VL644DC <sup>w</sup>	Color	420	1	12VDC	PSW-5	Normal <sup>3</sup>	2.9mm	No	
CVC645DC <sup>w</sup>	Color	420	.92	12VDC	Included	Normal <sup>3</sup>	3.6mm	Yes	
HT647HRT <sup>w</sup>	Color	540	0.5	12VDC	Included	Weather/Tamper <sup>3</sup>	3.6mm	Yes	Intensifier, Miniature, Chameleon Cover
CVC646HR <sup>w</sup>	Color	550	0.5	12VDC	Included	Normal <sup>3</sup>	3.6mm	Yes	Ultra High Resolution
CVC647TP <sup>w</sup>	Color	420	1.0	12VDC	Included	Weather/Tamperproof	3.6mm	Yes	High Resolution, Miniature, Chameleon Cover
CVC648IRHQ <sup>w</sup>	Color, Day/Night	540	0/0.5*	12VDC	Included	Normal/Wall Mount	3.6mm	Yes	IR LEDs, Special Design Eliminates IR Reflections
CVC648IRVFHQ	Color, Day/Night	540	0/0.5*	12VDC	Included	Normal/Wall Mount	4-9mm VF AI	No	IR LEDs, Special Design Eliminates IR Reflections
VL648IR <sup>w</sup>	Color, Day/Night	420	0/1*	12VDC	Included	Normal/Wall Mount	3.6mm	Yes	Wall Mounting bracket included
VL648IRVF <sup>w</sup>	Color, Day/Night	420	0/1*	12VDC	Included	Normal/Wall Mount	4-9mm VF AI	No	Wall Mounting bracket included
HTINT1650 <sup>w,s</sup>	Color, Day/Night	580		12VDC	Included	Weatherproof	3-12mm	No	Intensifier Series
HT650IRVFHQ <sup>w,s</sup>	Color, Day/Night	540	0/ .5/0*	12VDC	Included	Weather/Tamper	3-12mm VF AI	Yes	22 IR LEDs/Anti-Reflective Technology
WDR650IRVFHQ <sup>w,s</sup>	Color, Day/Night	540		12VDC	Included	Weatherproof	3-12mm VF AI	Yes	Wide Dynamic Range/PIXIM
HT7246iHR	Color, Day/Night	540	0.03	12VDC/24VAC Dual Voltage	PSW4	Weather/Tamper <sup>3</sup> Wall/Ceiling	2.8-11mm VF AI	No	Intensifier Series, Chameleon Cover, Joystick Controlled OSD
HT7247iHR	Color, Day/Night	540	0.03	12VDC/24VAC Dual Voltage	PSW4	Weather/Tamper <sup>3</sup> Wall/Ceiling	9-22mm VF AI	No	Intensifier Series, Chameleon Cover, Joystick Controlled OSD
CVC6405	Color	420	.92	12VDC	Included	Normal <sup>3</sup>	4-9mm VF AI	Yes	Test Connector
CVC7WMPDV	Color	480	.5	12VDC/24VAC	Included	Weather/Tamper	4-9mm VF AI	No	Flush or Surface mount
CVC8WMPDV	Color	580	.5	12VDC/24VAC			2.8-11mm VF AI	No	Wall or Ceiling Mount
CVC183 <sup>w</sup>	B/W	400	0.2	12VDC	PSW-2	Normal <sup>3</sup>	3.6mm	Yes	Economy-Wall/Ceiling Mount
CVC185	Color, Day/Night	420	0.02	12VDC	Included	Normal	3.6mm	Yes	
CVC1805DC	B/W	420	0.02	12VDC	Included	Normal	4-9mm VF	No	

\* Day/Night dome cameras will display pictures in 0 lux when the IR LEDs are active.      <sup>w,s</sup> Housings are also available in white and silver.

3- Axis mount for wall/ceiling use

## What is CCTV?

Closed Circuit Television is a group of cameras, monitors and accessory equipment that work together as a system and are interconnected by various types of cables.

## What is the Purpose of CCTV?

It is a tool used to protect people, property, enhance safety, and improve productivity.

## Are CCTV Systems Complicated?

For the most part, today's modern equipment is self-adjusting and has a long trouble-free lifespan. Packaged cameras (such as a bullet camera) are self-contained units that include the lens, mounting bracket, housing and power supply in a single box. CCTV has become a "plug & play" market.

## Types of CCTV Cameras:

All are available in B/W and Color as well as normal and low light configurations

**Board Camera:** Fully functional camera with a built-in lens on a Printed Circuit Board. These cameras are not in a housing. Useful for concealing and building into custom applications.

**C/CS Cameras:** Refers to conventional type camera bodies that require the separate purchase of all options including lens, mounting bracket, housing, power supply, and heater/blower.

**Dome Cameras:** Low profile, ceiling mounted self-contained camera package including lens, and power supply. Camera is adjustable within the housing for perfect aiming. Plug and play ease of installation.

**EXview Camera:** Any camera using the Sony EXview Hyper-HAD CCD for improved sensitivity and higher resolution.

**Pinhole Camera:** Bullet or Board camera using a special lens that allows it to see out of a small (1/16th of an inch) opening. Useful for discreet and hidden applications as well as when a large depth of field is required.

**Varifocal Camera:** A camera whose lens allows for the adjustment of the field of view. This camera can zoom in and out.

**Waterproof Camera:** Bullet camera that can be placed underwater or in extremely damp/wet conditions where a normal weatherproof camera might leak.

## Common CCTV Terms:

### Automatic Light Compensation (ALC):

The cameras built-in ability to compensate for changes in scene lighting

**Aperture:** The opening in a lens that allows available light to enter the camera.

### Auto White Balance (AWB):

Circuitry in a color camera that allows it to yield perfect color pictures in different types of lighting.

### Automatic Gain Control (AGC):

Circuitry in a camera that allows it to improve performance in low light conditions.

**Automatic Iris Lens (AI):** Type of lens where the aperture physically opens and closes to adjust the amount of light entering the camera. Available in "DC" and "Video" configurations to match your camera. Not required on cameras with electronic shutter systems.

### Back Light Compensation (BLC):

Ability of a camera to balance the lighting in a scene with an extremely bright background such as sunlight.

**Balun:** An impedance matching device that allows you to send video signals over UTP

**BNC:** A type of video connector

**C/CS Mount Lenses:** Type of lens used on a standard CCTV camera

**CRT:** The picture tube in a monitor

**CCD:** The device in a camera that "takes" the picture and converts it to electrical signals.

**Coaxial Cable:** Normally RG-59U or RG-6 in CCTV systems. This cable should have a copper center conductor and 95% copper shield for best performance.

**Day/Night Camera:** A camera that displays color pictures in good lighting conditions, and automatically switches to B/W in low light conditions

**Depth of Field:** The portion of a video picture that is in focus.

### Digital Video Recorder (DVR):

A device that compresses and records video signals onto built in Hard Disk Drives (HDD)

**Field of View-** Area covered by the camera.

**Focal Length:** The rated coverage of the lens in mm. Smaller numbers give a wider angle of coverage.

**Format:** The size of the CCD in a camera. Common sizes are 1/4", 1/3" and 1/2"

**F-Stop:** Measurement of how much light a lens will let in. The smaller the number the more light that can enter.

**Format:** The size of CCD in a camera. Common sizes are 1/4", 1/3" and 1/2"

**F-Stop:** Measurement of how much light a lens will let in. The smaller the number the more light that can enter.

**Ground Loop:** When the camera and monitor are powered from sources using different grounds with different ground potentials. If a path for current flow (other than the coax) exists, ground loops are possible. Solution: Install a ground loop corrector or power all camera from the same source as the monitor.

**Intensifier:** Amplifies & balances extremely low levels of visible and IR light to display usable pictures where other cameras are not able. Several technologies including WDR (Wide Dynamic Range), DNR (Dynamic Noise Reduction) and Dynamic Shutter Technology work together to display pictures in as little as .002 lux. The lack of active IR LEDs on these cameras reduces current requirements, reflectivity issues and heat build-up.

**IP Address:** A string of numbers that identifies a camera or DVR on a network

**Iris:** Allows you to physically change the F-stop of a lens

**LCD Monitor:** Flat screen monitor used when space is at a premium. Only 2" deep.

**Looping:** The ability to pass your video signal through a device and continue it on to another. Normally used in monitors.

**Line Lock:** A string of numbers that identifies a camera or DVR on a network

**Lux:** Measure of light equaling 1/10th of a foot-candle.

**Monitor:** Displays the video signal. Does not have a tuner like a TV set.

**Multiplexer:** Takes multiple cameras (up to 16) and combines them onto a single cable or screen for viewing or recording.

**Observation Systems:** Complete packages that include camera, monitor, mounting bracket, cable, power supplies, etc.

**Quad Splitter:** Combines four cameras onto one screen for viewing or recording.

**Resolution:** Measure of a camera's ability to reproduce details. Higher numbers are better.

**Sensitivity:** Measured in Lux. Camera's ability to operate in low light situations. Lower numbers are better.

**Sequential Switcher:** Displays cameras, one at a time upon a monitor or into a VCR. The time spent on each camera before moving on to the next is adjustable.

**Telephoto:** When a lens can see a long distance with great detail.

**Termination:** 75-ohm load placed at the end of a video line.

**Time Lapse VCR:** Recorder that runs for extended periods of time (up to 40-days) on a single cassette of tape. Usually has a built-in time/date generator.

**Varifocal Lens:** A lens that can be set for various focal lengths to achieve select coverage

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