

Product Comparison Guide

IP Video Solutions



Choose with Confidence.

Table of Contents

As the global leader in the design and development of video and security systems, Pelco™ by Schneider Electric™ produces an unmatched array of IP cameras, HD displays, and network video management systems (VMSs). From end-to-end HD cameras to open and integrated solutions, Pelco has an IP video solution to suit your application.

Cameras

Network Panoramic Cameras	3 - 4
Network Indoor Dome	5 - 6
Network Indoor Box	6 - 7
Network Environmental Bullet	7
Network Environmental / Vandal Resistant Dome.	8 - 9
Network HD PTZ Cameras	10
Network Specialty PTZ Cameras	11
Network Thermal Imaging Cameras.	12
Fortified Camera Systems	13

Video Management Solutions

Digital Video Recorders	14
Hybrid Video Recorders	14
IP Video Management Solutions.	15 - 16
Software-Only VMS Solution	16
Network Video Encoders	17

Viewing Solutions

Monitors	18
--------------------	----

Accessories

Enclosures.	19
POE Midspans.	21
IR Illuminators	21

Video Transmission

Ethernet Media Converters	22
Unmanaged Ethernet Switches	23
Small Form Factor Pluggable	23

Network Panoramic Cameras

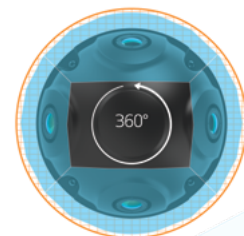
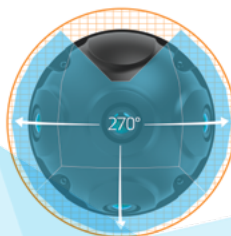
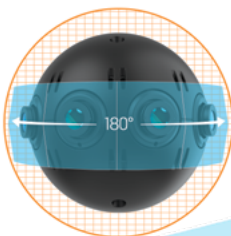
Optera™ is the next best thing to being in the middle of the scene itself, offering the unparalleled ability to find and capture the necessary evidence to make critical, business-enabling decisions. Optera's Panomersive Experience delivers up to 12 MP resolution with the option for completely stitched, seamless and blended 180, 270, or 360 degree views without the disruption and distraction of disjointed sensor boundaries.

	Optera 180 Degree Cameras	Optera 270 Degree Cameras*	Optera 360 Degree Cameras*
	SureVision™ 2.0 <small>A Pelco™ by Schneider Electric™ technology</small>  IMM12018-x	SureVision™ 2.0 <small>A Pelco™ by Schneider Electric™ technology</small>  IMM12027-x	SureVision™ 2.0 <small>A Pelco™ by Schneider Electric™ technology</small>  IMM12036-x
Max Resolution	12 Mp (2048x1536 x4)	12 Mp (2048x1536 x4)	12 Mp (2048x1536 x4)
Lens	180° FOV, FF 4.8mm / F2.0	270° FOV, FF 2.7 mm / F2.5	360° FOV, FF 2.7 mm / F2.5
Wide Dynamic Range	120 dB	120 dB	120 dB
Illumination	0.3 lux	0.5 lux	0.5 lux
Video Compression	H.264 High, Main, or Base profiles; MJPEG	H.264 High, Main, or Base profiles; MJPEG	H.264 High, Main, or Base profiles; MJPEG
Max IPS at Max Resolution	Up to 12.5 frames per second (fps) at 12 MPx resolution	Up to 12.5 frames per second (fps) at 12 MPx resolution	Up to 12.5 frames per second (fps) at 12 MPx resolution
Audio	600 ohm differential, 1Vp-p max. signal level	600 ohm differential, 1Vp-p max. signal level	600 ohm differential, 1Vp-p max. signal level
Analytics	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle
Local Storage	Built-in micro SD Card, SDHC slot	Built-in micro SD Card, SDHC slot	Built-in micro SD Card, SDHC slot
Power input	PoE+ (IEEE 802.3at, Class 4)	PoE+ (IEEE 802.3at, Class 4)	PoE+ (IEEE 802.3at, Class 4)
Operating Temperature Range	Indoor Vandal -10° to 50 °C (14° to 122 °F)† Environmental Vandal -40° to 50 °C (-40° to 122 °F)†	Indoor Vandal -10° to 50 °C (14° to 122 °F)† Environmental Vandal -40° to 50 °C (-40° to 122 °F)†	Indoor Vandal -10° to 50 °C (14° to 122 °F)† Environmental Vandal -40° to 50 °C (-40° to 122 °F)†
Mount Options	In-Ceiling, Surface Mount, Pendant Mount	In-Ceiling, Surface Mount, Pendant Mount	In-Ceiling, Surface Mount, Pendant Mount
Rugged	IP66 rated - Environmental vandal only	IP66 rated - Environmental vandal only	IP66 rated - Environmental vandal only
Open connectivity	Pelco API, Panomersive SDK, ONVIF Profile S and G and other leading VMS platforms	Pelco API, Panomersive SDK, ONVIF Profile S and G and other leading VMS platforms	Pelco API, Panomersive SDK, ONVIF Profile S and G and other leading VMS platforms
Other Related Products	Mounts: IMM-PNL, IMM-CM, IMM-DF5, WMVE-SR, WMVE-WT/BK, PA101 Accessories: POE1AT, POE4ATN, POE8ATN, POE16ATN, EC-3000C/U Series, EC-4BY1SWC/U Series	Mounts: IMM-PNL, IMM-CM, IMM-DF5, WMVE-SR, WMVE-WT/BK, PA101 Accessories: POE1AT, POE4ATN, POE8ATN, POE16ATN, EC-3000C/U Series, EC-4BY1SWC/U Series	Mounts: IMM-PNL, IMM-CM, IMM-DF5, WMVE-SR, WMVE-WT/BK, PA101 Accessories: POE1AT, POE4ATN, POE8ATN, POE16ATN, EC-3000C/U Series, EC-4BY1SWC/U Series

*Available December 2015



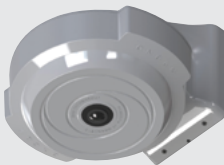

Optera™

THE PANOMERSIVE EXPERIENCE



Network Panoramic Cameras






Evolution 360 Degree cameras provide total situational awareness over a 360-degree field of view. The Evolution 360 Degree camera series includes Mini Indoor, Indoor Concealed, Indoor and Outdoor Dome models. The many facets of the Evolution 360 Degree camera and its forensic capabilities are literally limitless, ranging in every application imaginable from city surveillance, to retail, to gaming, and more.

	Evolution 360 Degree Mini Indoor Camera	Evolution 360 Degree Indoor Concealed	Evolution 360 Degree Indoor Cameras	Evolution 360 Degree Outdoor Dome
				
	EVO-05LID	EVO-05NCD	EVO-05NID (White) EVO-05NJD (Black)	EVO-05NMD (White) EVO-05NND (Black)
Max Resolution	4Mp (2144x1944)	4Mp (2144x1944)	4Mp (2144x1944)	4Mp (2144x1944)
Image Sensor	5 megapixel; 1/2.5-Inch CMOS Sensor	5 megapixel; 1/2.5-Inch CMOS Sensor	5 megapixel; 1/2.5-Inch CMOS Sensor	5 megapixel; 1/2.5-Inch CMOS Sensor
Illumination	0.2 lux = 50 IRE F/2.0 (6500K)	0.2 lux = 50 IRE F/2.0 (6500K)	0.2 lux = 50 IRE F/2.0 (6500K)	0.2 lux = 50 IRE F/2.0 (6500K)
Video Compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at Max Resolution	10 fps typical at maximum resolution and up to 15 fps for all other resolutions	10 fps typical at maximum resolution and up to 15 fps for all other resolutions	10 fps typical at maximum resolution and up to 15 fps for all other resolutions	10 fps typical at maximum resolution and up to 15 fps for all other resolutions
Video streams	2 configurable streams + service stream	2 configurable streams + service stream	2 configurable streams + service stream	2 configurable streams + service stream
Audio	line-in	line-in	line-in	line-in
DIDO	1 in, 1 out	1 in, 1 out	1 in, 1 out	1 in, 1 out
Local Storage	Built-in micro SD Card slot	Built-in SD Card slot	Built-in SD Card slot	Built-in SD Card slot
Power input	12V, PoE (IEEE 802.3af), 4W max	12V, PoE (IEEE 802.3af), 8W max	12V, PoE (IEEE 802.3af), 8W max	12V, PoE (IEEE 802.3af), 8W max
Operating Temperature Range	0 to +40 °C (-32 to +104 °F)	-40 to +55 °C (-40 to +131 °F)	-40 to +55 °C (-40 to +131 °F)	-40 to +55 °C (-40 to +131 °F)
Mount Options	Surface mount	Behind ceiling or wall to conceal the camera module from view via flush mounted adaptor ring	Surface mount (or with a range of mounting accessories for mounting to a pole / wall / pedant)	Surface mount (or with a range of mounting accessories for mounting to a pole / wall / pedant)
Rugged	IP40-rated – Indoor use only	IP54-rated – Indoor use only	IP54-rated – Indoor use only	IP66-rated; Shock and Vibration (BS EN 60068-2-64 and BS EN 60068-2-27)
Open connectivity	ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms	ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms	ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms	ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms
Other Related Products	Oncam Grandeye SDK integration pack, Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android)	Oncam Grandeye SDK integration pack, Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android)	Oncam Grandeye SDK integration pack, Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android)	Oncam Grandeye SDK integration pack, Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android)

Network Indoor Dome Cameras






Designed for performance, premium experience, and mission-critical applications, the Sarix™ Enhanced Range with SureVision™ 2.0 delivers industry-leading image quality in the most difficult lighting conditions. The Sarix Professional Range packs the most popular features and functionality of Sarix technology into a variety of indoor IP cameras. Mix and match the form factors you need for one of the widest selections of cameras in the industry.

Sarix IME Series Indoor Mini Domes with SureVision 2.0

	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME119-1x*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME119-1x*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME219-1x*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME319-1x* IME319-B1x*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME3122-1x* IME3122-B1x*
Max resolution	800 x 600	1280 x 1024	1920 x 1080	2048 x 1536	2048 x 1536
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	9 – 22 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Wide dynamic range	100 dB	100 dB	100 dB	100 dB	100 dB
Illumination	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.002 lux @ f/1.6
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	30 IPS	30 IPS
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic
Alarm in/out	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory
Analytics	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle
Local storage	Up to 32 GB with microSDHC***	Up to 32 GB with microSDHC***	Up to 32 GB with microSDHC***	Up to 32 GB with microSDHC***	Up to 32 GB with microSDHC***
Power input	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.





Sarix IMP Series Indoor Mini Domes

	 IMP110-1x*	 IMP1110-1x*	 IMP219-1x*	 IMP319-1x*	 IMP519-1x*
Max resolution	800 x 600	1280 x 720	1920 x 1080	2048 x 1536	2592 x 1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	2.8 – 10 mm, varifocal	2.8 – 10 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Wide dynamic range	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	20 IPS	12 IPS
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Line in	Line in	Line in	Line in	Line in
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/camera sabotage	Simple motion detection/camera sabotage	Simple motion detection/camera sabotage	Simple motion detection/camera sabotage	Simple motion detection/camera sabotage
Local storage	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 2), 24 VAC	PoE (IEEE 802.3af, class 2), 24 VAC	PoE (IEEE 802.3af, class 2), 24 VAC	PoE (IEEE 802.3af, class 2), 24 VAC	PoE (IEEE 802.3af, class 2), 24 VAC
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.





Network Indoor Dome Cameras

The Sarix IL10 Series are high-definition IP network cameras that offer a cost-effective solution for video security needs in small and medium sized businesses. These are ideal for indoor applications where cost-effective, quality HD surveillance video is needed, including retail, education, healthcare, business centers and residential.

	Sarix IL Series Micro Dome Cameras		Sarix IL Series Box Cameras	
				
	IL10-DP	IL10-DA	IL10-BP	IL10-BA
Resolution	1280 x 720	1280 x 720	1280 x 720	1280 x 720
Image sensor	1/6.9-inch CMOS	1/6.9-inch CMOS	1/6.9-inch CMOS	1/6.9-inch CMOS
Lens	Fixed - 68 deg diagonal fov	Fixed - 68 deg diagonal fov	Fixed - 68 deg diagonal fov	Fixed - 68 deg diagonal fov
Focus	Fixed	Fixed	Fixed	Fixed
Day/night	Color only	Color only	Color only	Color only
Illumination	0.5 lux @ f2.0	0.5 lux @ f2.0	0.5 lux @ f2.0	0.5 lux @ f2.0
Video compression	H.264	H.264	H.264	H.264
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	30 IPS
Video streams	Up to 2	Up to 2	Up to 2	Up to 2
Audio	None	None	None	None
Alarm in/out	None	None	None	None
Motion detection	3 zones + background zone	3 zones + background zone	3 zones + background zone	3 zones + background zone
Network protocols	HTTP, RTP, RTSP, NTP, IPv4, RTCP, UPnP, SSH, SSL	HTTP, RTP, RTSP, NTP, IPv4, RTCP, UPnP, SSH, SSL	HTTP, RTP, RTSP, NTP, IPv4, RTCP, UPnP, SSH, SSL	HTTP, RTP, RTSP, NTP, IPv4, RTCP, UPnP, SSH, SSL
Power input	PoE class 1	24 VAC	PoE class 1	24 VAC
Compact size	1.5 inch (3.9 mm) dia. bubble	1.5 inch (3.9 mm) dia. bubble	4.3" (10.9 mm) long	4.3" (10.9 mm) long
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800






Network Indoor Box Cameras

For mission critical applications including transportation, critical infrastructure and government installs, the Sarix IXE Series Box Camera features SureVision 2.0 to deliver industry leading image quality in the most difficult lighting conditions.

	Sarix IXE Series Box Cameras with SureVision 2.0			
				
	IXES1	IXE11	IXE21	IXE31
Max resolution	800 x 600	1280 x 1024	1920 x 1080	2048 x 1536
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	CS mount	CS mount	CS mount	CS mount
Focus	Auto back focus	Auto back focus	Auto back focus	Auto back focus
Day/night	Yes	Yes	Yes	Yes
Wide dynamic range	100 dB	100 dB	100 dB	100 dB
Illumination	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	30 IPS
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic
Alarm in/out	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory
Analytics	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle
Local storage	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)
Power input	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S






Network Indoor Box Cameras

Sarix utilizes a groundbreaking technology platform built upon the three pillars of innovative imaging: science, sophisticated industrial design, and advanced processing power. Available across a complete family of fixed box and dome cameras, Sarix technology maximizes the benefits of megapixel performance with industry-leading features and capabilities.

Sarix IXP Series Indoor Box Cameras					
					
	IXPS1	IXP11	IXP21	IXP31	IXP51
Max resolution	800 x 600	1280 x 720	1920 x 1080	2048 x 1536	2592 x 1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	CS mount	CS mount	CS mount	CS mount	CS mount
Focus	Auto back focus	Auto back focus	Auto back focus	Auto back focus	Auto back focus
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	20 IPS	12 IPS
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Line in	Line in	Line in	Line in	Line in
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 2), 24 VAC	PoE (IEEE 802.3af, class 2), 24 VAC	PoE (IEEE 802.3af, class 2), 24 VAC	PoE (IEEE 802.3af, class 2), 24 VAC	PoE (IEEE 802.3af, class 2), 24 VAC
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

Network Environmental Bullet Camera






The Sarix Professional Range rounds out the Sarix family by offering Pelco's first IP environmental bullet camera with IR camera. Available with up to 5 MPx resolution, they capture up to 30 images per second (ips) at 1080p. All Sarix Professional cameras integrate with major third-party video management systems through the Pelco API and the open ONVIF Profile S standard.

Sarix IBP Series Environmental Bullets with IR					
					
	IBPS110-ER	IBP1110-ER	IBP219-ER	IBP319-ER	IBP519-ER
Max resolution	800 x 600	1280 x 720	1920 x 1080	2048 x 1536	2592 x 1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	2.8 – 10 mm, varifocal	2.8 – 10 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	20 IPS	12 IPS
IR illumination	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Line in	Line in	Line in	Line in	Line in
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

Network Environmental/Vandal-Resistant Dome Cameras






Designed for performance, premium experience, and mission-critical applications, the Sarix Enhanced Range with SureVision 2.0 delivers industry-leading image quality in the most difficult lighting conditions. Built to exacting standards and fully certified and rated for flawless outdoor performance, the Sarix IME Series Environmental Domes with SureVision 2.0 cameras are intended for rain, snow, and the most grueling desert heat.

Sarix IME Environmental / Vandal Mini Domes with Surevision 2.0

	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME19-1x*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME119-1x*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME219-1x*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME319-1x*, IME319-B1x*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME3122-1x*, IME3122-B1x*
Max resolution	800 x 600	1280 x 1024	1920 x 1080	2048 x 1536	2048 x 1536
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	9 – 22 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Wide dynamic range	100 dB	100 dB	100 dB	100 dB	100 dB
Illumination	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.002 lux @ f/1.6
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	30 IPS	30 IPS
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Alarm in/out	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory
Analytics	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle
Local storage	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*	Up to 32 GB with microSDHC*
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)				
Power input	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application				
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.

Sarix IME Series Vandal Mini Domes with SureVision 2.0






	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME19-1Vx*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME119-1Vx*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME219-1Vx*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME319-1Vx*, IME319-B1Vx*	 SureVision™ 2.0 A Pelco® by Schneider Electric™ technology IME3122-1Vx*, IME3122-B1Vx*
Max resolution	800 x 600	1280 x 1024	1920 x 1080	2048 x 1536	2048 x 1536
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	9 – 22 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Wide dynamic range	100 dB	100 dB	100 dB	100 dB	100 dB
Illumination	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.002 lux @ f/1.6
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	30 IPS	30 IPS
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic
Alarm in/out	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory	Yes, with ALM-1 accessory
Analytics	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle	Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle
Local storage	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)				
Power input	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco mobile application				
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.

Network Environmental/Vandal-Resistant Dome Cameras






The Sarix Professional Range cameras are powerful and versatile to maximize options for customers in a variety of markets, and are ideal for those looking for reliable, cost-effective solutions that meet the breadth of their mainstream video surveillance needs. Mix and match the performance options and form factor you need for almost any lighting condition, environment, and application.

Sarix IMP Series Environmental Mini Domes

	 IMPS110-1Ex*	 IMP1110-1Ex*	 IMP219-1Ex*	 IMP319-1Ex*	 IMP519-1Ex*
Max resolution	800 x 600	1280 x 720	1920 x 1080	2048 x 1536	2592 x 1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	2.8 – 10 mm, varifocal	2.8 – 10 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB	Yes, electronic 65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	20 IPS	12 IPS
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Line in	Line in	Line in	Line in	Line in
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 2), 24 Vac	PoE (IEEE 802.3af, class 2), 24 Vac	PoE (IEEE 802.3af, class 2), 24 Vac	PoE (IEEE 802.3af, class 2), 24 Vac	PoE (IEEE 802.3af, class 2), 24 Vac
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.






Sarix IMP Series Environmental Mini Domes with IR

	 IMPS110-1ERx*	 IMP1110-1ERx*	 IMP219-1ERx*	 IMP319-1ERx*	 IMP519-1ERx*
Max resolution	800 x 600	1280 x 720	1920 x 1080	2048 x 1536	2592 x 1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	2.8 – 10 mm, varifocal	2.8 – 10 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal	3 – 9 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	65 dB	65 dB	65 dB	65 dB	65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 IPS	30 IPS	30 IPS	20 IPS	12 IPS
IR illumination	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Line in	Line in	Line in	Line in	Line in
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**	Up to 32 GB with microSDHC**
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.

Network HD Pan/Tilt/Zoom Cameras

Spectra® cameras are a symbol for security the world over for landmarks, airports, bridges, buildings, and provide city surveillance in numerous locations worldwide. These cameras have set the benchmark for image quality, low-light performance, and precision control. The series include Spectra Enhanced, Spectra Professional, and Spectra HD.

	Spectra Enhanced		Spectra Professional	Spectra HD	
	 <p>S6220* 2.0MP HD 20x (Standard or environmental)</p>	 <p>S6230* 2.0MP HD 30x (Standard or environmental)</p>	 <p>P1220* 2.0MP 20x (Standard or environmental)</p>	 <p>S5220* 2.0MP HD 20x (Standard or environmental)</p>	 <p>S5230* 2.0MP HD 30x (Standard or environmental)</p>
Imager/Scanning	1/2.8-inch Type Exmor CMOS Sensor	1/2.8-inch Type Exmor CMOS Sensor	1/2.8-inch Type Exmor CMOS Sensor	1/2.8-inch Type Exmor CMOS/ Progressive	1/2.8-inch Type Exmor CMOS/ Progressive
Lens / Zoom	f/1.6 ~ f/3.5, 4.7 mm ~ 94.0 mm / 20x optical zoom, 12x digital zoom	f/1.6 ~ f/4.7, 4.3 mm ~ 129.0 mm / 30x optical zoom; 12x digital zoom	f/1.6 ~ f/4.7, 4.3 mm ~ 129.0 mm / 20x optical zoom, 12x digital zoom	f/1.6 ~ f/3.5, 4.7 mm ~ 94.0 mm / 20x optical zoom; 12x digital zoom	f/1.6 ~ f/4.7, 4.3 mm ~ 129.0 mm / 30x optical zoom; 12x digital zoom
Field Of View	2.9° ~ 55.4°	2.1° ~ 59.5°	2.9° to 55.4°	2.9° ~ 55.4°	2.1° ~ 59.5°
Day/Night	Yes	Yes	Yes	Yes	Yes
Resolution	1920x1080	1920x1080	1920 x 1080	1920x1080	1920x1080
Sensitivity	Sensitivity in lux for 90% reflectance, f/1.6 (wide angle), 43 dB gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF; 4X improvement to sensitivity with Sensitivity Boost ON	Sensitivity in lux for 90% reflectance, f/1.6 (wide angle), 43 dB gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF; 4X improvement to sensitivity with Sensitivity Boost ON	Sensitivity in lux for 90% reflectance, f/1.6 (wide angle), 24 dB noise at 30 IRE (30% of signal level); Color (33 ms)=0.65 lux; Mono (250 ms)=0.20 lux; Mono (250 ms)=0.015 lux	Sensitivity in lux for 90% reflectance, f/1.6 (wide-angle), 28 dB gain at 30 IRE (30% of signal level) with sensitivity boost off; 4X improvement to sensitivity with sensitivity boost on	Sensitivity in lux for 90% reflectance, f/1.6 (wide-angle), 28 dB gain at 30 IRE (30% of signal level) with sensitivity boost off; 4X improvement to sensitivity with sensitivity boost on
Wide Dynamic Range	130 dB	130 dB	60 dB	80 dB	80 dB
Pan/Tilt Features	Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom	Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom	Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom	Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom	Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom
Window Blanking	Up to thirty two, four-sided, user-defined shapes.	Up to thirty two, four-sided, user-defined shapes.	Up to eight, user-defined shapes	Up to thirty two, four-sided, user-defined shapes.	Up to thirty two, four-sided, user-defined shapes.
Compression Formats	H.264 High, Main, or Base profiles and MJPEG	H.264 High, Main, or Base profiles and MJPEG	H.264 High, Main, or Base profiles and MJPEG	H.264 High, Main, or Base profiles and MJPEG	H.264 High, Main, or Base profiles and MJPEG
Video Resolutions / Frame Rate	CIF, VGA, SVGA, 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 30 or 60fps @ 1080p	CIF, VGA, SVGA, 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 30 or 60fps @ 1080p	1920x1080, 1280x720, 1024x576, 900x540, 640x352, 320x180 / 30fps @ 1080p	CIF, VGA, SVGA, 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 25 or 30fps @ 1080p	1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 25 or 30fps @ 1080p
POE	PoE+ IEEE 802.3at Class 4, HPoE	PoE+ IEEE 802.3at Class 4, HPoE	PoE+ IEEE 802.3at Class 4, 48 V, 600 mA (indoor models)	IEEE 802.3af class 3 (standard models)	IEEE802.3af
Power	18 to 32 VAC; 24 VAC nominal, 22 to 27 VDC; 24 VDC nominal, PoE+ IEEE 802.3at Class 4, HPoE	18 to 32 VAC; 24 VAC nominal, 22 to 27 VDC; 24 VDC nominal, PoE+ IEEE 802.3at Class 4, HPoE	(Indoor) 24 VAC; 26 VA; PoE+ IEEE 802.3at Class 4, 48 V, 600 mA; (Environmental) 24 VAC; 50 VA	18 to 32 VAC; 24 VAC nominal 22 to 27 VDC; 24 VDC nominal	18 to 32 VAC; 24 VAC nominal 22 to 27 VDC; 24 VDC nominal

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

Network Speciality Cameras

Pelco takes its industry-leading Esprit Series positioning system into the world of HD. Esprit HD delivers crystal-clear, live-streaming images over IP networks. Pelco's ExSite explosion-proof IP cameras are designed to meet the rigorous requirements for hazardous locations for safe and efficient installation.

Esprit HD



**30x Esprit HD
ES5230***
(Standard & pressurized)

Imager	1/2.8-inch Type Exmor CMOS Sensor
Lens/zoom	f/1.6 ~ f/4.7, focal length 4.3 mm (wide) ~ 129.0 mm (tele)
Field Of view	2.1° to 59.5°
Resolution	1920 x 1080
Sensitivity	30 IRE; Color (33 ms) 0.65 lux; Color (250 ms) 0.07 lux; Mono (33 ms) 0.20 lux; Mono (250 ms) 0.015 lux
Proportional pan/tilt	Yes
Pan/tilt features	360° continuous/unobstructed +36° to -85°
Presets/preset speed/patterns	100°/30°/sec/16
Motion detection	Yes
Window blanking	32, programmable
Image stabilization	Yes, EIS
"Sure Focus" menu selection	Yes
Operating temperature range	-45 to 50 °C (-50 to 122 °F)
Environmental ratings	IP66
Power	24, 120 or 230 VAC, 50/60 Hz; switch selectable for 120/230 VAC inputs
Certifications	CE, Class A; FCC, Class A; UL/cUL listed; C-Tick; Meets NEMA Type 4X and IP66 Standards; ONVIF Profile S; Cisco® Medianet Media Services Proxy 2.0 compatible
Open connectivity	Pelco API or ONVIF S

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

ExSite IP



**36x ExSite IP
EHxMEIP***
Explosion Proof Fixed



**36x ExSite IP
IPSxME***
Explosion Proof Pan/Tilt

Imager	1/4-inch Ex-View HAD CCD	1/4-inch Ex-View HAD CCD
Lens/zoom	f/1.4, 3.3 ~ 119 mm/432X (36X optical, 12X digital)	f/1.4, 3.3 ~ 119 mm/432X (36X optical, 12X digital)
Field of view	1.7° to 57.2°	1.7° to 57.2°
Resolution	540 TVL	540 TVL
Sensitivity	35 IRE: 0.018 lux at 1/2 sec shutter (color); 0.55 lux at 1/60 sec shutter (B-W); 0.00018 lux at 1/2 sec shutter (B-W)	35 IRE: 0.018 lux at 1/2 sec shutter (color); 0.55 lux at 1/60 sec shutter (B-W); 0.00018 lux at 1/2 sec shutter (B-W)
Proportional pan/tilt	Yes	Yes
Pan/tilt features	200° pan (manual)/180° tilt (manual)	360° continuous/unobstructed +90° to -90°
Motion detection	Yes	Yes
Image stabilization	Yes	Yes
"Sure Focus" menu selection	Yes	Yes
Operating temperature range	-76 to 140 °F (-60 to 60 °C)	-76 to 140 °F (-60 to 60 °C)
Environmental ratings	IP66, NEMA Type 4X	IP66, NEMA Type 4X
Power	24 VAC or 100 to 240 VAC, 50/60 Hz	24 VAC or 100 to 240 VAC, 50/60 Hz
Certifications	UL/cUL listed Class I, Groups A, B, C, and D Class II, Groups E, F, G, T5 Class I, Zone 1, AEx d IIC DEMKO 04 ATEX 0413858X CE 0539 Ex II 2 G Ex d IIC, T5 Gb Ex II 2 D Ex tb IIIC T105°C Db IP66	UL/cUL listed Class I, Groups A, B, C, and D Class II, Groups E, F, G, T5 Class I, Zone 1, AEx d IIC DEMKO 04 ATEX 0413858X CE 0539 Ex II 2 G Ex d IIC, T5 Gb Ex II 2 D Ex tb IIIC T105°C Db IP66

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

Network Thermal Imaging Cameras

Sarix Series Thermal IP Cameras produce high-quality video regardless of lighting conditions and are able to detect activity in total darkness, through smoke, fog, rain and haze. These cameras provide situational awareness in perimeter, port/airport applications or where artificial light is either unavailable or restricted.

Sarix TI Series Thermal IP Fixed Cameras



SP-ESTI3* Series
Fixed



SP-ESTI3* Series
Pan/Tilt

Sensor	Uncooled, Sun-safe Amorphous Silicon Microbolometer									Uncooled, Sun-safe Amorphous Silicon Microbolometer							
Pixel Size	17 micron (640 x 480) 25 micron (384 x 288) (240x184)									17 micron (640 x 480) 25 micron (384 x 288)							
Sensitivity (NETD)	<50 mK at f/1.0									<50 mK at f/1.0							
	640 x 480				384 x 288				240 x 184	640 x 480				384 x 288			
Lens Options	14.25mm	35mm	50mm	100mm	14.25mm	35mm	50mm	100mm	6.30mm	35mm	50mm	100mm	14.25mm	35mm	50mm	100mm	
Field Of View	39°/29°/48°	16°/12°/19°	11°/8°/14°	6°/4°/7°	39°/29°/48°	16°/12°/19°	11°/8°/14°	6°/4°/7°	55°/41°/68°	18°/13°/22°	12°/9°/15°	6°/5°/8°	39°/29°/48°	16°/12°/19°	11°/8°/14°	6°/4°/7°	
Spectral Response	7.5 to 13.5 μm (LWIR)									7.5 to 13.5 μm (LWIR)							
Display Formats	White hot, black hot, and rainbow									White hot, black hot, and rainbow							
Built in Analytics	Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle									Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle							
Compression Formats	H.264 High, Main or Base Profile, M-JPEG									H.264 High, Main or Base Profile, M-JPEG							
Video Streams	Up to 2 simultaneous streams									Up to 2 simultaneous streams							
Video Resolutions / Frame Rate	384x288, (4:3) 320x240 (4:3) or 320x176 (16:9) / Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7.5, 6, 5, 4, 3, 2.5, 2, 1 ips									384x288, (4:3) 320x240 (4:3) or 320x176 (16:9) / Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7.5, 6, 5, 4, 3, 2.5, 2, 1 ips							
Local Storage	Micro SD									Micro SD							
USB Expansion Ports	No									No							
Analog Output	Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p									Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p							
Power	24 VAC / 24 VDC									24 VAC / 115 VAC / 230 VAC							

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

*

Sarix TI Series Thermal IP Fixed Cameras



SP-ESTM3* Series
Fixed







SP-ESTM3* Series
Pan/Tilt

Sensor	Uncooled, Sun-safe Amorphous Silicon Microbolometer			Uncooled, Sun-safe Amorphous Silicon Microbolometer		
Pixel Size	25 micron			25 micron		
Sensitivity (NETD)	<50 mK at f/1.0			<50 mK at f/1.0		
Lens Options	14.25mm	35mm	50mm	14.25mm	35mm	50mm
Field Of View	39°/29°/48°	16°/12°/19°	11°/8°/14°	39°/29°/48°	16°/12°/19°	11°/8°/14°
	8 to 12 µm (LWIR)			8 to 12 µm (LWIR)		
Display Formats	White hot, black hot, and rainbow			White hot, black hot, and rainbow		
Built in Analytics	Camera Sabotage, Thermography - Absolute Threshold, Thermography - Relative Theshold, Thermography - Self Reference Threshold			Camera Sabotage, Thermography - Absolute Threshold, Thermography - Relative Theshold, Thermography - Self Reference Threshold		
Compression Formats	H.264 High, Main, or Base profiles; MJPEG, and JPEG			H.264 High, Main, or Base profiles; MJPEG, and JPEG		
Video Streams	Up to 2 simultaneous streams			Up to 2 simultaneous streams		
Video Resolutions / Frame Rate	384x288, (4:3) 320x240 (4:3) or 320x176 (16:9) / Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7.5, 6, 5, 4, 3, 2.5, 2, 1 ips			384x288, (4:3) 320x240 (4:3) or 320x176 (16:9) / Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7.5, 6, 5, 4, 3, 2.5, 2, 1 ips		
Local Storage	Micro SD			Micro SD		
USB Expansion Ports	No			No		
Analog Output	Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p			Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p		
Power	24 VAC / 24 VDC			24 VAC or a selectable power source of 120/230 VAC		

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

Fortified Camera Systems

Pelco Fortified Integrated Camera Systems deliver a new level of protection from heat, cold, humidity and challenging power environments.

Fortified enclosures systems				
				
	FH-Hx* Series High Temperature	FH-Lx* Series Low Temperature	FH-Mx* Series High Humidity	FH-Sx* Series Solar Powered
Dimension	Analog or IP camera and lens included 39.12 H x 64.11 L x 19.21 W cm (15.4" x 25.24" x 7.56")	Analog or IP camera and lens included 39.12 H x 64.11 L x 19.21 W cm (15.4" x 25.24" x 7.56")	Analog or IP camera and lens included 39.12 H x 64.11 L x 19.21 W cm (15.4" x 25.24" x 7.56")	Analog or IP camera and lens included 39.12 H x 64.11 L x 19.21 W cm (15.4" x 25.24" x 7.56")
Viewing window	6.35 mm-thick Lexan	6.35 mm-thick Lexan	6.35 mm-thick Lexan	6.35 mm-thick Lexan
Cable entry	Mount arm, field installed	Mount arm, field installed	Mount arm, field installed	Mount arm, field installed
Environment	IP66	IP66	IP66	IP66
Vandal	IK10	IK10	IK10	IK10
Power input	100 – 240 VAC	24 VAC	24 VAC	12 VDC
Heater/defroster/blower	No/No/Yes	Yes/No/Yes	No/No/Yes	No/Yes/Yes
Hinged lid	Yes	Yes	Yes	Yes
Certifications	CE/UL/cUL	CE/UL/cUL	CE/UL/cUL	CE/UL/cUL
Fiber optic media converter	Optional (not for C20 camera)	Optional (not for C20 camera)	Optional (not for C20 camera)	Optional (not for C20 camera)

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.



Fortified Series Overview

- Fully integrated enclosures with camera, lens, and available power supplies
- Non-metallic long life, thermoplastic alloy will not corrode, rust, or oxidize
- Impact resistant at all temperatures, for protection from acts of vandalism including rock and object impact
- Integrated wall-mount and full line of optional mounting brackets for virtually any mounting scenario
- Ample internal space for IP media conversion and additional accessories
- Active cooling system
- Choose from 12 VDC, 24 VAC, or 100 VAC to 230 VAC input
- CE, UL, cUL, IK10, IP66

Digital Video Recorders and Hybrid Video Recorders

DX Series DVRs and HVRs are the ideal choice for an affordable, efficient entry into full-featured video storage management. DX Series DVR (DX4700/DX4800) systems are designed for easy use out of the box. DX hybrid video recorders (DX4700HD/DX4800HD) meet the demands of customers migrating to IP video while leveraging their existing analog video surveillance infrastructure.

	DX4100	DX4700 and DX4800	DX4700HD and DX4800HD
			
Analog camera inputs	4	8, 16	8, 16
Looping	Yes	Yes	Up to 8 megapixel
IP camera inputs	None	2 megapixel (Mpx)	[DX4700HD] 120 IPS NTSC, 100 IPS PAL (D1); [DX4800HD] 480 IPS NTSC, 400 IPS PAL (D1)
Maximum record rate D1/4CIF	30 ips NTSC, 25 ips PAL (4CIF)	[DX4700] 120 IPS NTSC, 96 IPS PAL (4CIF); [DX4800] 480 IPS NTSC, 400 IPS PAL (4CIF)	[DX4700HD] 120 IPS NTSC, 100 IPS PAL (D1); [DX4800HD] 480 IPS NTSC, 400 IPS PAL (D1)
Compression technology	H.264	H.264	H.264 Main profile
Hard drive options, internal	250 GB – 2 TB, 1 TB with ODD	250 GB – 8 TB	250 GB – 8 TB
Optical disk drive	DVD	DVD-RW	DVD-RW
Alarm inputs/relay outputs	4/1	8/2 or 16/4	[DX4700HD] 8 or 16/2; [DX4800HD] 8 or 16/4
Audio inputs/outputs	4/1	[DX4700] 2 or 4/2; [DX4800] 4/2	[DX4700HD] 2/2; [DX4800HD] 4/2
PTZ control	RS-422	Coaxitron, RS-422	
Front panel controls	Yes	Yes	Yes
IR remote control	Yes	Yes	Yes
Multilingual support	Yes	Yes	Yes
System compatibility	DX Series client, DS ControlPoint	DX Series client, DS ControlPoint, DX mobile app	DX Series Client, DS ControlPoint, DX mobile app
Monitor outputs	1 main - VGA or BNC switch-selectable; 1 spot BNC, single channel view	1 main - VGA or BNC; composite	1 Main - VGA or BNC; composite
Camera display	Main - 1, 4	1, 4, 6, 8, 9, 16	1, 4, 6, 8, 9, 16, 25
Digital zoom live/playback	No/No	No	No
Alarm, motion, continuous, scheduled recording modes	Yes	Yes, including ATM/POS	Yes, including ATM/POS
Increased record rate on alarm/motion ("bump on alarm")	Yes	Yes	Yes
Pre-alarm/post-alarm	Off, 5, 10, 20, 30, 40, 50, 60 sec/10, 20, 30, 40, 50 sec, 1, 2, 3, 5, 10 min	1 minute/10 minutes	1 Minute/10 minutes
DX mobile app (iPhone, iPad, Android)	No	Yes	Yes
PC remote client	Yes	Yes	Yes
View live	Yes	Yes	Yes
Playback	Yes	Yes	Yes
PTZ control	Yes	Yes	Yes
Web browser	Live view	Live view	Live View, PTZ
Windows support	Windows® 7, Vista®, XP Pro® (with ControlPoint or DX Series client)	Windows 7, Vista, XP Pro (with ControlPoint or DX Series client)	Windows 2000, XP (SP3), Vista, or Windows 7 and DirectX 9.1 (or later)

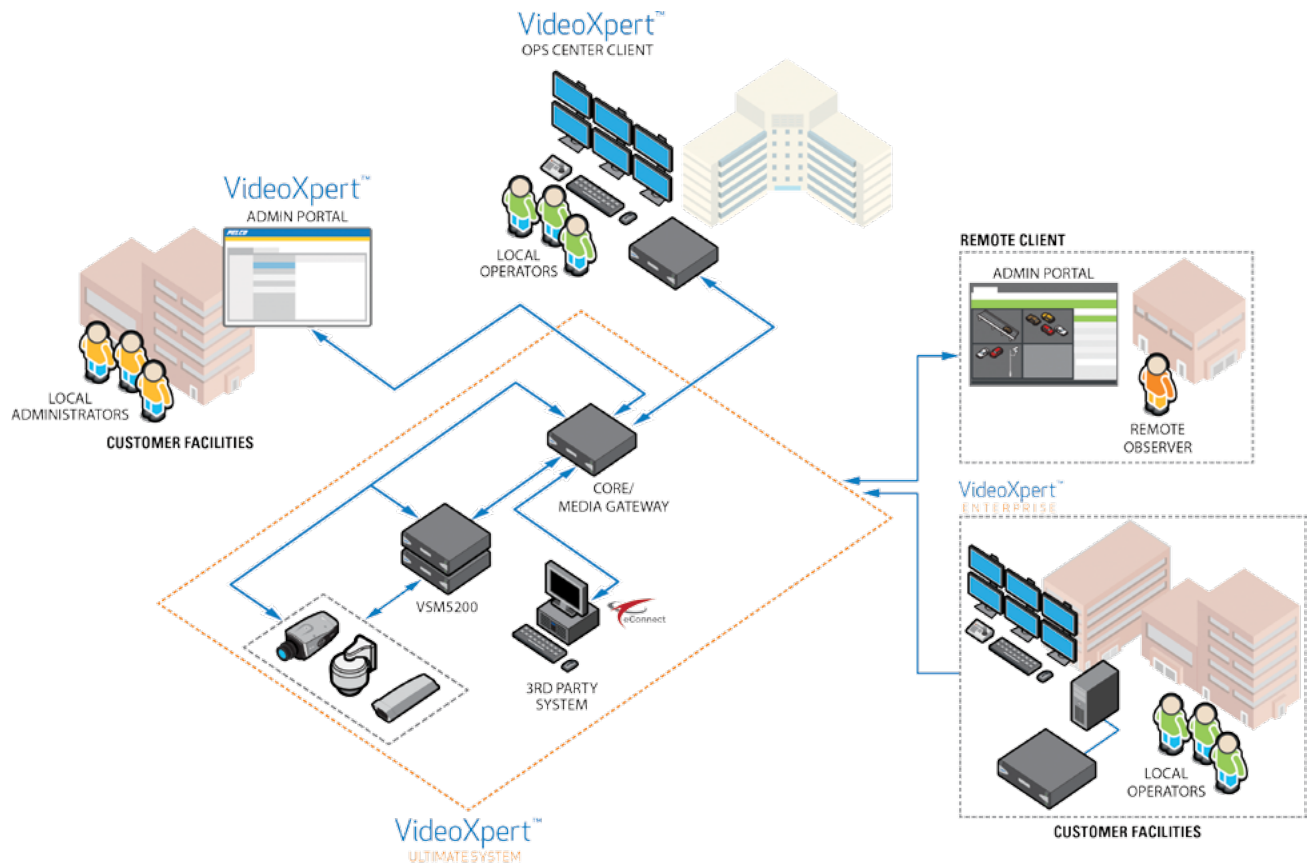
IP Video Management Solutions

VideoXpert™ is a VMS platform that allows for system aggregation into a single intuitive user interface experience. The highly customizable software-based VMS solution brings together video security and third-party systems that benefit from actionable video data, into a single, reliable, high-performance platform. Visit www.pelco.com/videoxpert to learn more.



VideoXpert

VideoXpert™ is a VMS designed for scalability, fitting the needs of surveillance operations of any kind. Whether your operation has 100 cameras or 10,000 cameras, VideoXpert presents a solution to display, record, and manage your video resources. VideoXpert consists of four major components: Core, Media Gateway, Ops Center, and storage manager.



IP Video Management Solutions

With full-featured DSNVs VMSs, DSSRV2 network video recorders (NVRs) provide analog camera support via optional direct-attached or network video encoders, multisite monitoring, and support for third-party IP cameras. DSSRV2 NVRs provide an optimal combination of processing power and reliability to meet the demands of HD video recording and playback operations.

Digital Sentry DSSRV2



Analog camera inputs	16, 32, 48, or 64 via ENC5516
IP video inputs	Up to 128*
Number of included IP licenses	8 included; additional license fee may apply
Megapixel support	Up to 10 Mpx
Compression technology	H.264, MJPEG and MPEG-4, depending on IP camera
Operating system	Windows 7 Ultimate 64-bit
Hard drive options, internal	GB; 4, 8, 12, 16, 20 TB
Hard drive options, external	SCSI or USB
Optical Disk drive	DVD+/-RW with DSSRV2-DVD models
RAID storage	Optional with RAID5 controller add-on or RAID5 model
Alarm inputs/relay outputs	See ENC5516 for analog alarms in/relays out
Audio inputs/outputs	Supports Sarix IP audio; see ENC5516 for analog audio recording
PTZ control	IP and analog supported
Multilingual support	Yes
System compatibility	DS ControlPoint
Monitor outputs	Supports up to 3 simultaneous displays using any combination of the 4 outputs
Camera views	22 layouts, from 1 to 36 cameras
Alarm, motion, continuous, scheduled recording modes	Yes
PC remote client	Yes
View live	Yes
Playback	Yes
Email on alarm	Yes
PTZ control	Yes
Remote administration	Yes
Mobile client	Yes

* The database limitation for DSNVs is 128 cameras. The actual number of cameras supported depends on recording settings, client connections, and bandwidth capacity.

Digital Sentry DSSRV2 Options



ENC5516 Analog Encoder

Video resolutions	D1, 2CIF, CIF
Frame rate	D1 480 NTSC/ 576 PAL, independently configurable
Alarm inputs	16 per ENC5516, 64 maximum per DSSRV2
Relay outputs	4 per ENC5516, 16 maximum per DSSRV2
Audio inputs	16 per ENC5516, 64 maximum per DSSRV2
Compression format	H.264 main profile
Analog output	2 BNC connectors (1 for MUX and 1 for spot monitor)
PTZ control interface	2 RS-422, RS-485
PTZ/protocols	Pelco P, Pelco C, and Pelco D
Rack mount	2 mounting brackets included, connection interface to NVR: direct attached via HDMI cable



Software-only VMS Solution

This software-only solution is ideal when the preference is for COTS hardware, maximizing existing purchase and support agreements with server and PC suppliers. Windows-compatible, built-in support for ONVIF and a wide range of third-party IP cameras and encoders makes Digital Sentry a flexible VMS solution for mainstream security applications.

DSNVs




Maximum IP video inputs	Up to 128*
Third-party camera supported	IP drivers and ONVIF**
Camera license fees apply	Includes 4 IP licenses for Pelco or third-party IP cameras/encoders; Additional license fee applies
Megapixel support	Up to 10 megapixel, based on camera capabilities
Maximum # of clients	Dependent on system resources and bandwidth availability
Quick setup	Yes, wizard-driven
Export formats	H.264, MPEG-4, MPEG
Alarm pop-up notifications	Yes
Search tools	Thumbnail, timeline, and scrub bar search methods
Archive video recording	Via archive utility
Third-party integrations	ONVIF conformant
Compatibility via ControlPoint	DX8000/8100, DX4500/4600/4700/4800 and DX4700/4800HD
Operating systems	Windows XP Professional SP2, Windows Vista (32 or 64 bit), Windows 7 (32 or 64 bit)
Mobile app	Yes

* Supports up to 128 video channels per server (dependent on hardware configuration and IP camera settings)

** DS release notes on Pelco.com

IP Video Management Solutions




The Endura™ IP VMS offers the scalability, performance, and reliability required for mission-critical surveillance applications. Scalable to thousands of cameras, Endura is designed to fit a wide range of customer applications — including airports, casinos, and city surveillance applications — where unmatched fault tolerance and system integrity are mandatory.

Endura	
	
Analog camera inputs	Yes, for supported cameras and encoders *
Compression technology	MPEG4 & H.264 (base, main, and high profile)
Storage optimization	Yes, Pelco EnduraStor
Third-party storage	Optional fiber channel support
RAID 6 support	Yes
Alarm inputs/relay outputs	Yes, see Pelco.com for supported cameras & encoders
Audio support	Yes, see Pelco.com for supported cameras & encoders
PTZ control	Yes, see Pelco.com for supported cameras & encoders
Pelco matrix support	Yes
Multilingual Support	Yes
Third-party system integration	Yes
Pelco aggregation support	Yes
Monitor output support	Hundreds of digital displays via DVI connections from WS5070, VCD5202, NET5402R-HD with built-in monitor wall control (1x1, 2x2, 3x3, 4x4, 1+5, 2+8, 1+12, 3x2, 4x3)
Digital zoom live/playback	Yes
Alarm, motion, continuous, scheduled recording modes	Yes
Failover and redundancy	Yes
Pre-alarm/post-alarm	1 minute – 999 minutes/1 minute – 999 minutes
Video analytics	Yes
E-mail on alarm, SNMP support	Yes
Remote administration	Yes
Web and mobile support	Yes

* Please visit www.pelco.com for updated list of supported devices.



Network Video Encoders



This family of H.264 network video encoders provides high-performance, single- to multichannel video encoding, integrating analog cameras, and positioning systems into an IP video surveillance system.

NET5500 Series Encoder			
 NET5501, NET5504, NET5508, NET5516 Rack Mount		 NET5501-I In-line	
 NET5501-XT Extended Temperature			
Video resolutions	D1, 4CIF, 2CIF, CIF	D1, 4CIF, 2CIF, CIF	D1, 4CIF, 2CIF, CIF
Frame rate	Up to 30/25 IPS at D1	Up to 30/25 IPS at D1	Up to 30/25 IPS at D1
Video analytics	Motion and sabotage	Motion and sabotage	Motion and sabotage
Alarm inputs	1, 4, 8, 16 (respectively)	0	1
Relay outputs	1, 1, 2, 4 (respectively)	1	1
Onboard memory	User-supplied micro SD	User-supplied micro SD	User-supplied micro SD
Operating temperature range	0 to 50 °C (32 to 122 °F)	0 to 45 °C (32 to 113 °F)	-20 to 74 °C (-4 to 165 °F)
Compression formats	M-JPEG, H.264	M-JPEG, H.264	M-JPEG, H.264
Data rate	20 Kbps – 6 Mbps (2 Mbps per stream X 3)	20 Kbps – 6 Mbps (2 Mbps per stream X 3)	20 Kbps – 6 Mbps (2 Mbps per stream X 3)
Video streams	3	3	3
Audio	2-way, full- or half-duplex	2-way, full- or half-duplex	2-way, full- or half-duplex
Analog output	Looping available on 1, 4, 8 models	Looping not available	Looping available
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, SSH, SSL, SMTP, and 802.1x (EAP)		
Encryption	Yes	Yes	Yes
Latency	117 ms - MPEG-4	117 ms - MPEG-4	117 ms - MPEG-4
Power input	12 Vdc, 1.25A adapter (1 & 4 channel); 12 Vdc, 2.08 A adapter (8 & 16 channel)	PoE 802.3af, Class 0	12 Vdc, 2.08 A adapter
Web browser access	Microsoft® Internet Explorer® 8 or later, Firefox®, Chrome™, Safari™		
Open architecture	Yes, ONVIF Profile S	Yes, ONVIF Profile S	Yes, ONVIF Profile S
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); third-party VMS through Pelco API and ONVIF Profile S		

Monitors

With a unique industry understanding, Pelco specifically designs monitors to meet the demands of video-security professionals. This includes maximum reliability and power efficiency for around-the-clock usage, and the high-quality, highly detailed images necessary for making security decisions.

	300 Series Desktop	400 Series Desktop
	 <p>PMCL317BL and PMCL319BL</p>	 <p>PMCL417HB and PMCL419HB</p>
Native resolution	1280 x 1024	1280 x 1024
Brightness	250 nit	350 nit
Contrast ratio	1000:1	1000:4
Response time	5 ms	5 ms
Panel life	30K hours	50K hours
Viewing angle	160/160	160/160
Aspect ratio	5:4	5:4
Power consumption	<50 W	<50 W
Input voltage	100 to 240 Vac, 50/60 Hz	100 to 240 Vac, 50/60 Hz
Video input	1 BNC, looping; 1 S-video, looping; 1 RGB; 1 DVI	2 BNC, looping; 1 S-video, looping; 1 RGB; 1 DVI
Operating temperature	32 – 104 °F (0 – 40 °C)	32 – 104 °F (0 – 40 °C)
Operating humidity	20 – 80% noncondensing	20 – 80% noncondensing
Unit weight	10.8 lbs. (17"), 12.6 lbs. (19")	10.8 lbs. (17"), 12.6 lbs. (19")
Shipping weight	16 lbs. (17"), 18 lbs. (19")	16 lbs. (17"), 18 lbs. (19")
RECOMMENDED MOUNTS		
Wall mount	PMCL-WM, PMCL-WMT, PMCL-WM1A	PMCL-WM, PMCL-WMT, PMCL-WM1A
Ceiling mount	PMCL-CM, PMCL-CMP	PMCL-CM, PMCL-CMP
Rack mount	PMCL-17ARM, PMCL-19ARM	PMCL-17ARM, PMCL-19ARM
Certifications	CE class B; FCC Class B; UL/cUL listed; C-Tick; S-Mark; ENERGY STAR® certified	CE class B; FCC Class B; UL/cUL listed; C-Tick; S-Mark; ENERGY STAR certified
Warranty	3 years	3 years

	500 Series Desktop	500 Series Large Format
	 <p>PMCL524BL</p>	 <p>PMCL532BL, PMCL42BL, PMCL46BL, and PMCL55BL</p>
Native resolution	1920 x 1080	1920 x 1080
Brightness	250 nit	500 nit (typical)
Contrast ratio	1000:1	3000:1 (32"), 4000:1 (42", 46", 55")
Response time	5 ms	6.5 ms (typical)
Panel life	30K hours	50K hours
Viewing angle	170/160	178/178
Aspect ratio	16:9	16:9
Power consumption	<33 W	120 W (32"), 150 W (42"), 160 W (46"), <170 W (55")
Input voltage	100 to 240 VAC, 50/60 Hz	100 to 240 VAC, 50/60 Hz
Video input	1 BNC, looping; 1 S-video, looping; 1 RGB; 1 DVI; 1 HDMI	1 S-video; 1 component video; 1 video in, 1 video out; 1 display port; 1 HDMI; 1 DVI in; 1 VGA out, 1 VGA in (*not available on PMCL532BL)
Operating temperature	32 – 104 °F (0 – 40 °C)	32 – 104 °F (0 – 40 °C)
Operating humidity	10 – 90% noncondensing	10 – 90% noncondensing
Unit weight	15.9 lbs.	27.6 lbs. (32"), 44.1 lbs. (42"), 50.0 lbs. (46"), 66.6 lbs. (56")
Shipping weight	24.0 lbs	35.7 lbs. (32"), 62.0 lbs. (42"), 67.2 lbs. (46"), 87.3 lbs. (56")
RECOMMENDED MOUNTS		
Wall mount	PMCL-WM, PMCL-WMT, PMCL-WM1A	PMCLNBWMT (tilt), PMCLNBWMT (fixed), PMCLNBWMS (arm)
Ceiling mount	PMCL-CM, PMCL-CMP	PMCL-CM, PMCL-CMP (32" only)
Rack mount	N/A	N/A
Certifications	CE Class B; FCC Class B; UL/cUL Listed; C-Tick; KCC; CCC; GOST-R; NOM	CE class B; FCC Class B; UL/cUL listed; C-Tick; CCC; GOST-R; NOM, ENERGY STAR Level 5.1 compliant
Warranty	3 years	3 years

Accessories: Enclosures


With convenient IP-centric-available features, such as built-in PoE camera power and megapixel-optimized front windows, these new additions to the Pelco enclosure family will help protect camera investments today and well into the future.

Environmental Enclosures

	 EH16	 EH2500	 EH3508	 EH3512/EH3515
Maximum camera size*	22.86 L x 7.92 W x 7.62 H cm (9" x 3.12" x 3")	13.34 L (up to 33.66 L cm) x 6.99 W x 6.99 H cm [5.25" (up to 13.25") x 2.75" x 2.75"]	12.7 L (up to 17.27 L cm) x 7.28 W x 7.62 H cm [5" (up to 6.8") x 2.87" x 3"]	22.86 L (up to 33.66 L cm) x 7.28 W x 7.62 H cm [10.25" (up to 13.25") x 2.87" x 3"]
Viewing window	3-mm-thick, scratch-resistant Lexan®	0.95-mm-thick Lexan	4.7-mm-thick Lexan	4.76-mm-thick Lexan
Cable entry	1 x PG9 and 1 PG11 compression gland on bottom	Two adjustable 1/2-NPT liquid tight glands on back	Two PG13.5 compression glands on bottom	Two PG13.5 compression glands on bottom
Lid fastening	3 Torx-head T30 screws	Two captive screws	Link-lock no. 3 can be secured with a padlock (not supplied)	Link-lock no. 3 stainless steel can be secured with a padlock (not supplied)
Environment	IP66 and NEMA Type 4X	IP66 and NEMA Type 4	IP66 and NEMA Type 4	IP66 and NEMA Type 4
Power input	Power input 24 Vac, POE IEEE802.3at, 230 Vac	24 Vac; 120 Vac and 230 Vac for heater	24 Vac; 120 Vac and 230 Vac @ 50/60 Hz	24 Vac; 120 Vac and 230 Vac
Heater/defroster/blower	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Certifications	CE/UL/cUL	CE/UL/cUL	CE/UL/cUL	CE/UL/cUL




* Accepts camera and lens combinations (assumes lens is fully extended)

General Purpose Enclosures

	 EH14 Indoor/Outdoor, Compact	 EH4700 Outdoor, Medium	 EH5700 Outdoor, Large	 EH8100 Pressurized	 EHX-E Explosion-proof
Maximum camera size*	27.94 L x 8.25 W x 10.16 H cm (11.00" x 3.25" x 4.00")	33.02 L (up to 53.34 L cm) x 12.07 W x 10.795 H cm [13" (up to 21") x 5.5" x 4.25"]	39.37 L (up to 71.12 L cm) x 15.88 W x 13.97 H cm [15.5" (up to 28") x 6.25" x 5.5"]	35.56 L (up to 45.72 L cm) x 6.35 W x 6.35 H cm [14" (up to 18") x 2.5" x 2.5"]	6.990 H to 14.6 x 8.57 to 13.20 W x 7.62 to 60.96 H cm (2.750 to 5.75 cm x 3.375 to 5.125 x 12 to 24 cm)
Viewing window	Glass	6.35-mm-thick Lexan	6.35-mm-thick glass	5.715-mm-thick tempered glass	Fully tempered plate glass 10.8/11.43/14.92 cm, depending on model
Cable entry	2 adjustable 0.5 in NPT liquid-tight gland	Two PG13.5 compression glands on bottom	Two PG13.5 UL glands on bottom	16-pin receptical with jam nut connects to MS connector	2 explosion-proof sealable fittings
Lid fastening	2 Torx screw	Link-lock no. 3 stainless steel can be secured with a padlock (not supplied)	Link-lock no. 3 stainless steel can be secured with a padlock (not supplied)	Sealed and pressurized	Sealed
Environment	IP66 and NEMA Type 4	NEMA Type 3R	NEMA Type 3R	IP67 and NEMA Type 6	Explosion-proof and marine
Power input	24 VAC, 230 VAC	24 VAC; 120 VAC and 230 VAC @ 50/60 Hz	24 VAC; 120 VAC and 230 VAC @ 50/60 Hz	120/230 Vac	24 VAC; 120 VAC and 230 VAC
Heater/defroster/blower/wiper	Yes/Yes/Yes (EH14-2, -3 only)	Yes/Yes/Yes/No	Yes/Yes/Yes/Yes	Yes/Yes/Yes/No	Yes/Yes/Yes/No
Certifications	CE	CE/UL/C-Tick	CE/UL/C-Tick	CE/UL/cUL	CE/UL/cUL

* Accepts camera and lens combinations (assumes lens is fully extended)

High-Security Enclosures

	 HS1500 Ceiling/Wall Mount	 HS2100 Low-profile Wedge	 HS3000 Corner Mount
Maximum camera size*	10.16 L x 10.16 W x 20.32 W cm (4.0" x 4.0" x 8.0")	7.62 L x 10.16 W x 25.4 W cm (3.0" x 4.0" x 10.0")	9.53 L x 8.25 W x 22.86 W cm (3.75" x 3.25" x 9.0")
Viewing window	12.7-mm-thick Lexan	12.7-mm-thick Lexan	Smoked 6.35-mm-thick Lexan
Cable entry	Access through back and top	Two conduit knockouts on upper back box	Three 1.27cm cable knockout holes
Environment	Indoor NEMA Type 1	Indoor NEMA Type 1	Indoor
Power input	NA	NA	24 Vac/110 Vac for heater
Vandal	Tamper switch/vandal resistant	Tamper-resistant screw	Tamper switch/vandal resistant
Heater/defroster/blower	Yes/No/Yes	No/No/No	Yes/No/No
Certifications	UL	NA	UL

The Experience is the Difference



Plug into the flexibility of VideoXpert™

Historically video management systems by nature are complex – a complexity that often overwhelms the user experience, resulting in a steep learning curve and misplaced focus.

VideoXpert™ is different.

Its intuitive design and easy-to-navigate workflow effortlessly display what's needed, when it's needed, allowing security professionals to make fast, effective decisions that drive your business forward.

Coupled with its powerful integration capabilities, VideoXpert leverages the expertise of third party providers for customizable functionality and maximum flexibility. Experience the ease of use, reliability and performance you demand.

Learn How » Pelco.com/VideoXpert






Choose with Confidence.

PELCO

by Schneider Electric







Accessories: PoE Midspan

Powering the next generation IP security networks requires standardized power sources designed to protect sensitive edge devices and cameras. These PoE midspans are engineered to provide the highest level of protection with standardized IEEE power sources and network management tools to manage IP assets remotely.

PoE Midspan					
					
	1 Single Channel	4 Channel	8 Channel	16 Channel	1 Single Channel
Number of channels	1	4	8	16	1
Data rate	10/100/1000 Base T	10/100/1000 Base T	10/100/1000 Base T	10/100/1000 Base T	10/100/1000 Base T
Maximum power output	30 W	134 W	269 W	538 W	19 W
Power input	AC 90 to 264 VAC with frequency range 47 to 63 Hz	AC 90 to 264 VAC with frequency range 47 to 63 Hz	AC 90 to 264 VAC with frequency range 47 to 63 Hz	AC 90 to 264 VAC with frequency range 47 to 63 Hz	33.4 W
Operating temperature	32 – 104 °F (0 – 40 °C)	32 – 104 °F (0 – 40 °C)	32 – 104 °F (0 – 40 °C)	32 – 104 °F (0 – 40 °C)	32 – 131 °F (0 – 55 °C) @ 10 MB and 100 MB rates; 32 – 104 °F (0 – 40 °C) @ GB rates
LED indicators	Power on/fault detection	Power on/fault detection	Power on/fault detection	Power on/fault detection	Power on/fault detection
IEEE 802.3 at compliance	Fully compliant detection, disconnect, overvoltage and current protection	Fully compliant detection, disconnect, overvoltage and current protection	Fully compliant detection, disconnect, overvoltage and current protection	Fully compliant detection, disconnect, overvoltage and current protection	Fully compliant detection, disconnect, overvoltage and current protection
Power connector	U.S. power cord or EU power cord	U.S. power cord or EU power cord	U.S. power cord or EU power cord	U.S. power cord or EU power cord	U.S. power cord or EU power cord
Mounting	Desktop	Desktop with optional rack mount	Rack mount	Rack mount	Desktop and ears for wallmounting
Network management	NA	Web interface and SNMP management	Web interface and SNMP management	Web interface and SNMP management	NA
Certifications	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	CE




Accessories: IR Illuminators

For low-light scenes, proper illumination makes the difference between usable and unusable video. For increased megapixel camera performance in low-light situations, and for lower energy consumption and reduced bandwidth-consuming night scene video noise, choose from a wide range of Pelco IR and White Light low-voltage illumination systems.

	Semi-covert and Covert IR Illuminator			White Light LED IR Illuminator		
						
	IR850S-65/IR940S-30 Small	IR850M-120/IR940M-60 Medium	IR850L-220/IR940L-110 Large	WLEDs-50 Small	WLEDm-90 Medium	WLEDL-150 Large
Max range	65/30 M	120/60 M	220/110 M	50 M	90 M	150 M
Variable focal length	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser
Wavelength	850/940 nm	850/940 nm	850/940 nm	White light	White light	White light
Input power	12 W	24 W	48 W	12 W	24 W	48 W
Input voltage	12 VDC; 24 VAC	12 VDC; 24 VAC	12 VDC; 24 VAC	12 VDC; 24 VAC	12 VDC; 24 VAC	12 VDC; 24 VAC
Vandal resistance	IK9	IK9	IK9	IK9	IK9	IK9
Warranty	5 years	5 years	5 years	5 years	5 years	5 years
Environment	IP66	IP66	IP66	IP66	IP66	IP66
Accessories	Remote setup tool/wall bracket	Remote setup tool/wall bracket	Remote setup tool/wall bracket	Remote setup tool/wall bracket	Remote setup tool/wall bracket	Remote setup tool/wall bracket
Certifications	CE/UL/cUL/FCC	CE/UL/cUL/FCC	CE/UL/cUL/FCC	CE/UL/cUL/FCC	CE/UL/cUL/FCC	CE/UL/cUL/FCC

IP Video Transmission Solutions

Pelco IP fiber optic and Ethernet network products deliver the high-level performance that video security applications demand. By offering very reliable, robust transmission systems, any long-distance transmission challenge can be easily overcome.

Ethernet Media Converters		Ethernet Media Converters (requiring FSFP module)	
 FMCI-AF & FMCI-BF Series**		 FMCI-PF Series	 FMCI-PG Series
Number of TX electrical ports	1	1 (mini); up to 2 (standard)	1 (mini); up to 2 (standard)
TX data rate	10/100 Mbps	10/100 Mbps, Ethernet	10/100/1000 Mbps, Ethernet
Operating mode	Full-duplex or half-duplex	Full-duplex or half-duplex	Full-duplex or half-duplex
Number of FX optical ports	Up to 2	1 (mini); up to 2 (standard)	1 (mini); up to 2 (standard)
FX data rate	100 Mbps	100 Mbps	1000 Mbps
Operating mode	Full-duplex	Full-duplex	Full-duplex
Operating temperature	-40 to 167 °F (-40 to 75 °C)	-40 to 167 °F (-40 to 75 °C)	-40 to 167 °F (-40 to 75 °C)
Power input	(Standard size) 8 to 24 VDC at 220 mA (from rack); (mini) AC/DC 22 to 27 VAC at 100 mA or 8 to 24 VDC at 220 mA	8 to 15 VDC	8 to 15 VDC
LED indicators	Optical link, data; electrical link, data; power	Optical link, data activity	Optical link, data activity
Wavelength	1310/1550 nm	FSFP dependent*	FSFP dependent*
Number of fibers	1	FSFP dependent*	FSFP dependent*
Optical power budget (MM/SM)	10/15 dB	FSFP dependent*	FSFP dependent*
Fiber support distances	Up to 3 km (2 mi) multimode; up to 20 km (12 mi) singlemode	Up to 80 km (49.7 mi)*	Up to 120 km (74.5 mi)*
Stand-alone/rack mountable	Yes	Yes	Yes
Number of rack slots	1 (standard size); N/A (mini)	1 (FMCI-PF1 and PMCI-PF2 models only)	1 (FMCI-PG1 and PMCI-PG2 models only)
Optical connector	ST, 1 fiber	FSFP dependent*	FSFP dependent*
Power connector	Terminal block	Terminal block	Terminal block
Electrical connector	RJ-45	RJ-45	RJ-45
Certifications	CE, Class A; FCC, class A; UL/cUL listed; C-Tick; RoHS; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards	CE, Class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards	CE, Class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards

* Requires selection of interchangeable FSFP modules (must be ordered separately) for specific fiber type, distance, and connector.

** Standard mount DC-only & mini AC/DC power media converters

IP Video Transmission Solutions

Systems make use of customer-installed, interchangeable Small Form Factor Pluggable transceivers (FSFP units, sold separately) for compatibility with a wide range of optical fibers, optical connector types, and optical transmission distances.

Unmanaged Ethernet Switches (Requiring FSFP Module)



FUMS-F Series



FUMS-G Series

Number of TX electrical ports	Up to 8	Up to 8
TX data rate	10/100 Mbps	10/100/1000 Mbps
Operating mode	Full-duplex or half-duplex	Full-duplex or half-duplex
Number of FX optical ports	Up to 8	Up to 8
FX data rate	100 Mbps	1000 Mbps
Operating mode	Full-duplex	Full-duplex
Operating temperature	-40 to 167 °F (-40 to 75 °C)	-40 to 167 °F (-40 to 75 °C)
Power input	9 to 24 VDC	9 to 24 VDC
LED indicators	Optical link, data; electrical link, data; power	Optical link, data; electrical link, data; power
Wavelength	FSFP dependent*	FSFP dependent*
Number of fibers	FSFP dependent*	FSFP dependent*
Fiber support distances	FSFP dependent*	FSFP dependent*
Stand-alone/rack mountable	Yes	Yes
Number of rack slots	Up to 2	Up to 2
Optical connector	FSFP dependent*	FSFP dependent*
Power connector	Terminal block	Terminal block
Electrical connector	RJ-45	FSFP dependent*
Certifications	CE, Class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards	CE, Class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards

* Requires selection of interchangeable FSFP modules (must be ordered separately) for specific fiber type, distance, and connector.

Small Form Factor Pluggable**



FSFP-E Series



FSFP-A & FSFP-B Series

Operating mode	Fiber or copper	Fiber
Number of FX optical ports	2	1
Operating mode	Multimode, single mode	Multimode, single mode
Operating temperature	-40 to 167 °F (-40 to 75 °C)	-40 to 167 °F (-40 to 75 °C)
Power input	MSA compliant	MSA compliant
LED indicators	None	None
Wavelength	Up to 1550 nm	1310/1550 nm (FSFP-A only), 1550/1310 nm (FSFP-B only)
Number of fibers	2, N/A for copper	1
Fiber support distances	Up to 120 km (74.5 mi) single mode, up to 2 km (1.2 mi) multimode	Up to 60 km (37.3 mi) single mode, up to 2 km (1.2 mi) multimode
Stand-alone/rack mountable	N/A	N/A
Number of rack slots	N/A	N/A
Optical connector	LC	LC, SC
Optical loss budget	FSFP dependent*	FSFP dependent*
Power connector	N/A	N/A
Electrical connector	RJ-45 (copper only)	N/A
Certifications	CE, Class E; FCC, Part 15; UL listed; IEEE 802.3; complies with 21 CFP 1040.10 and 1040.11	CE, Class E; FCC, Part 15; UL listed; IEEE 802.3; complies with 21 CFP 1040.10 and 1040.11

* Requires selection of FSFP modules for specific fiber type, distance, optical loss budget, and connector.

** Required for use with all Pelco FSFP configurable products.

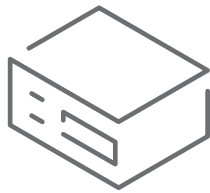
End-to-End Video Security

Pelco produces the industry's broadest and most respected offering of IP and analog video security systems. From megapixel and integrated positioning systems to video management and software-only solutions, Pelco is committed to providing complete, end-to-end solutions backed by the most comprehensive customer support in the video security industry.

As part of Schneider Electric, Pelco connects you to the global specialist in energy and security management, and has the ability to deliver integrated security and building management solutions that let you control your entire security landscape across enterprises from a single user interface.



Capture.



Manage.



Display.

For more information, please visit pelco.com or call 800-289-9100 (United States and Canada) or +1 559-292-1981 (international). For pricing information or to purchase Pelco products, please contact your manufacturer's representative or the Pelco office in your area.

Pelco by Schneider Electric

3500 Pelco Way, Clovis, California 93612 USA
(800) 289-9100 Tel (800) 289-9150 Fax pelco.com

Schneider Electric Industries SA

1415 South Roselle
Palatine, Illinois 60067 USA