Product Comparison Guide
IP Video Solutions

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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.

Network Cameras

Video Management Solutions

Viewing Solutions

Accessories

Video Transmission Solutions

Network Indoor and Environmental Multi-Sensor 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 degrees views without the disruption and distraction of disjointed sensor boundaries. Optera featres Pelco Camera link that enables it to have a nearby Pelco Enhanced Series PTZ camera zoom in and track objects.

	Optera 180° Indoor and Environmental Cameras	Optera 270° Indoor and Environmental Cameras	Optera 360° Indoor and Environmental Cameras
	SureVision™ 2.0	SureVision™ 2.0	SureVision™ 2.0
	IMM12018-X	IMM12027-X	IMM12036-X
Max Resolution	12 Mpx (2048 x 1536 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		
Sensitivity	0.3 lux	0.5 lux	0.5 lux
Video Compression	H.264 High, Main, or Base profiles; MJPEG. Pelco Smart Compression		
Max IPS at Max Resolution	Up to 30 frames per second (ips) at 4MPx resolution, 12.5 ips at 12 MPx		
Audio	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. Two camera tracking with Pelco Camera Link		
Local Storage	Built-in SDHC/ SDXC compliant micro SD card slot.		
Power input	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)		
Mount Options	In-Ceiling, Surface Mount, Pendant Mount		
Rugged	IP66 rated - Environmental vandal only, IK10		
Open connectivity	Pelco API, Panomersive SDK, ONVIF Profile S, G, and Q, 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, VX Toolbox		

Network Indoor and Environmental Fisheye Panoramic Cameras

Evolution 360° cameras provide total situational awareness over a 360-degree field of view. The Evolution 360° cameras series include Mini, Concealed, Indoor, Outdoor and Stainless Steel 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° 12MP Panoramic Fisheye

	Indoor Concealed EVO-12-NCD	Indoor EVO-12-NID (White) EVO-12-NJD (Black)	Outdoor EVO-12-NMD (White) EVO-12-NND (Black)	Recessed EVO-12NRD (white) EVO-12NSD (black)	Stainless Steel EVO-12PSK (pendant) EVO-12SSK (surface)	Outdoor EVO-180-WED-P	Indoor EVO-180-WID-P
Video Compression	H.264, MJPEG						
Max IPS at Max Resolution	12 ips typical at maximum resolution and up to 30 ips for all other resolutions					Up to 30 ips Up to 14 ips at max resolution Panoramic Stream	
Audio	line-in						
Local Storage	Built-in SD Card slot						
Power input	12 VDC, PoE (IEEE standard 802.3af)					12VDC, PoE (IEEE 802.3af), 8W max	
Mount Options	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)	Recessed Mounting	Surface or pendant mount	Integrated adjustable mounting angle: 0-45°	
Environment	Indoor	Indoor	Outdoor, IK10, IP66	Indoor	IK10, IK69K	IP66, IP67, IP68 (2m 30min), IP69K, IK10+	Indoor
Open connectivity	ONVIF Profile S, Digital Sentry, VideoXpert						
Other Related Products	Evolution Accessories, Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Evolution Accessories, Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Evolution Accessories, Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Evolution Accessories, Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Evolution Accessories, Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox

Evolution 360° 5MP Panoramic Fisheye

	Indoor Concealed EVO-05NCD	Indoor EVO-05NID (White) EVO-05NJD (Black)	Outdoor EVO-05NMD (White) EVO-05NND (Black)	Recessed EVO-05NRD (white) EVO-05NSD (black)	Stainless Steel EVO-05PSK (pendant) EVO-05SSK (surface)
Video Compression	H.264, MJPEG				
Max IPS at Max Resolution	10 ips typical at maximum resolution and up to 15 ips for all other resolutions	10 ips typical at maximum resolution and up to 15 ips for all other resolutions	10 ips typical at maximum resolution and up to 15 ips for all other resolutions	10 ips typical at maximum resolution and up to 15 ips for all other resolutions	10 ips typical at maximum resolution and up to 30 ips for all other resolutions
Audio	line-in				
Local Storage	Built-in SD Card slot				
Power input	12V, PoE (IEEE 802.3af), 8W max	12V, PoE (IEEE 802.3af), 8W max	12V, PoE (IEEE 802.3af), 8W max	12 VDC, PoE (IEEE standard 802.3af)	12 VDC, PoE (IEEE standard 802.3af)
Mount Options	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)	Recessed Mounting	Surface or pendant mount
Environment	Indoor	Indoor	IP66-rated; Shock and Vibration (BS EN 60068-2-64 and BS EN 60068-2-27)	Indoor	IK10, IP69K
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	ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms
Other Related Products	Evolution Accessories, Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Evolution Accessories, Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Evolution Accessories, Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Camera Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox

Network Indoor and Environmental Fisheye Panoramic Cameras

Evolution 360° cameras provide total situational awareness over a 360-degree field of view. The Evolution 360° cameras series include Mini, Concealed, Indoor, Outdoor and Stainless Steel 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° 5MP Mini Fisheye Panoramic		
Indoor Mini EVO-05LID (White) EVO-05LJD (Black)	Outdoor Mini EVO-05LMD (White) EVO-05LND (Black)	Recessed Mini EVO-05LRD (White) EVO-05LSD (Black)
Video Compression	H.264, MJPEG	
Max IPS at Max Resolution	10 ips typical at maximum resolution and up to 15 ips for all other resolutions	
Audio	No	
Local Storage	Built-in SD Card slot	
Power input	12V, PoE (IEEE 802.3af), 8W max	PoE (IEEE 802.3af), 4W	PoE (IEEE 802.3af), 4W
Mount Options	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)
Environment	Indoor	Outdoor, IK10, IP66	Indoor
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
Other Related Products	Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox	Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android), VX Toolbox

Network Indoor Dome Cameras

The Sarix® Enhanced 2 Range with SureVision™ 3.0 mini dome cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed.

Sarix Enhanced 2 IME Indoor Mini Domes With Surevision 3.0		
IME129-1IS IME122-1IS	IME229-1IS IME222-1IS	IME329-1IS IME322-1IS
Max Resolution 1280 X 960	1920 x 1080	2048 x 1536
Image Sensor 1/2.8 inch CMOS		
Lens 3-9mm or 9-22mm, varifocal		
Focus/Zoom Auto Focus, Remote Zoom		
Day/Night Yes		
Wide Dynamic Range 130 dB		
Sensitivity 0.05 lux @ f/1.3		
Video Compression H.264, MJPEG, Pelco Smart Compression		
Max IPS at Max Resolution 60 ips		
Audio Bidirectional, line-in line out		
Alarm In/Out Yes		
Local Storage Up to 128GB with microSDHC or SDXC Card		
Power input PoE (IEEE 802.3af, Class 3), 12VAC, 12 VDC		
Pelco system compatibility VideoXert, Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application		
Open connectivity ONVIF Profile S, G, and Q		

Network Indoor Dome Cameras

Sarix Professional 2 IMP Series mini dome cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed.

Sarix® Professional 2 IMP Indoor Mini Domes			
IMP121A-1IS	IMP221A-1IS	IMP321A-1IS	IMP521A-1IS
Max Resolution 1280 x 960	1920 x 1080	2048 x 1536	2592 x 1944
Image Sensor 1/3 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS	1/1.8 inch CMOS
Lens 3-10.5mm, varifocal			
Focus/Zoom Auto Focus, Remote Zoom			
Day/Night Yes			
Wide Dynamic Range 90 dB			
Sensitivity 0.05 lux @ f/1.4	0.25 lux @ f/1.2	0.25 lux @ f/1.2	0.30 lux @ f/1.2
Video Compression H.264, MJPEG			
Max IPS at Max Resolution 30 ips	30 ips	30 ips	15 ips
Audio Dual Channel, Line in/out, Built-in Microphone			
Alarm In/Out Yes, Multiple alarms with ALM-1 accessory			
Local Storage Up to 64 GB on Micro SDHC or SDXC card			
Power input PoE Class 2, 24 VAC, 12 VDC			
Pelco system compatibility VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later), Pelco Mobile Application			
Open connectivity ONVIF Profile S, G and Q			

Network Indoor Micro Dome Cameras

Featuring a 2.8 mm fixed lens and a 2 inch form factor, the next generation Sarix IJP Series micro dome cameras is ideal for tight spaces. Additionally, the Sarix IJP Series features advanced color science and a mechanical IR cut filter for increased sensitivity in low-light installations.

Next Generation Sarix IJP Micro Dome Cameras		
	IJP121-1IS	IJP221-1IS
Max Resolution	1280 x 960	1920 x 1080
Image Sensor	1/3 inch CMOS	1/2.8 inch CMOS
Lens	2.8mm fixed	
Day/Night	Yes	
Dynamic Range	90 dB	
Color Sensitivity	0.05 lux@ f/1.8	0.25 lux@ f/1.8
Video Compression	H.264, MJPEG	
Max IPS at Max Resolution	30 ips	
Audio	Dual Channel, Line-in and out	
Alarm In/Out	1 Input, 1 Output	
Local Storage	Up to 64GB on SDHC or SDXC card	
Power Input	PoE (IEEE 802.3af, Class 2)	
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Third-party VMS through Pelco API	
Open Connectivity	ONVIF Profile S, G, and Q	

Network Indoor Box Cameras

For mission critical applications including transportation, critical infrastructure and government installs, the Sarix Enhanced 2 IXE Series Box Camera features SureVision 3.0 to deliver industry leading image quality in the most difficult lighting conditions.

Sarix Enhanced 2 IXE Series Box Cameras With SureVision 3.0			
	IXE12	IXE22	IXE32
Max Resolution	1280 x 960	1920 x 1080	2048 x 1536
Image Sensor	1/2.8 inch CMOS		
Lens	CS Mount		
Focus	Auto Back Focus		
Day/Night	Yes		
Wide Dynamic Range	130 dB		
Sensitivity	0.05 lux @ f/1.3		
Video Compression	H.264, MJPEG, Pelco Smart Compression		
Max IPS at Max Resolution	60ips		
Audio	Bidirectional		
Alarm In/Out	Yes		
Analytics	Built-in Analytics Suite		
Local Storage	Up to 128 GB on SDHC or SDXC card		
Power input	PoE (IEEE 802 3af, Class 3), 24 VAC, 12 VDC		
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application		
Open connectivity	ONVIF Profile S, G, and Q		

Network Indoor Bullet Cameras

Sarix Enhanced 2 Range with SureVision 3.0 indoor and outdoor bullet cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IBE Series features advanced color science and a mechanical IR cut filter for increased sensitivity in low-light installations.

Next Generation Sarix IBE Series Indoor Bullet with SureVision 3.0				
IBE129-1I	IBE229-1I	IBE329-1I	IBE222-1I	IBE322-1I
Max Resolution				
1280 x 960	1920 x 1080	2048 x 1536	1920 x 1080	2048 x 1536
Image Sensor				
1/2.8 inch CMOS				
Lens				
3-9mm, varifocal	3-9mm, varifocal	3-9mm, varifocal	9-22mm, varifocal	9-22mm, varifocal
Focus/Zoom				
Auto Focus, motorized, Remote Zoom				
Day/Night				
Yes				
Dynamic Range				
130 dB				
Sensitivity				
0.05 lux@ f/1.3	0.05 lux@ f/1.3	0.05 lux@ f/1.3	0.20 lux@ f/1.6	0.20 lux@ f/1.6
Video Compression				
H.264, MJPEG, Pelco Smart Compression				
Max IPS at Max Resolution				
60 ips				
Audio				
Birectional				
Alarm In/Out				
Yes				
Analytics				
Built-In Analytics Suite				
Local Storage				
Up to 128 GB on SDHC or SDXC card				
Power Input				
PoE (IEEE 802 3af, Class 3), 24 VAC, 12 VDC				
Pelco System Compatibility				
VideoXpert; Endura version 2 0 (or later); Digital Sentry 7 3 (or later); Pelco Mobile Application				
Open Connectivity				
ONVIF Profile S, G, and Q				

Network Indoor Bullet Cameras

The next-generation Sarix IBP Series indoor bullet cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IBP Series features advanced color science, a mechanical IR cut filter for increased sensitivity in low-light installations.

Next Generation Sarix IBP Series Indoor Bullet				
IBP121-1I	IBP122-1I	IBP124-1I	IBP221-1I	IBP222-1I
Max Resolution	1280 x 960	1280 x 960	1280 x 960	1920 x 1080	1920 x 1080
Image Sensor	1/3 inch CMOS	1/3 inch CMOS	1/3 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS
Lens	3-10.5mm, varifocal	9-22mm, varifocal	12-40mm, varifocal	3-10.5mm, varifocal	9-22mm, varifocal
Focus	Autofocus, motorized				
Day/Night	Yes				
Dynamic Range	90 dB				
Color Sensitivity	0.05 lux@ f/1.4	0.05 lux@ f/1.4	0.05 lux@ f/1.4	0.25 lux@ f/1.2	0.25 lux@ f/1.2
Video Compression	H.264, MJPEG				
Max IPS at Max Resolution	30 ips				
Audio	Line in				
Alarm In/Out	Yes				
Analytics	Simple motion detection/ camera sabotage				
Local Storage	Up to 64 GB on Micro SDHC or SDXC card				
Power Input	PoE (IEEE 802.3af, Class 3), 24 VAC, 12VDC				
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Third-party VMS through Pelco API 1.				
Open Connectivity	ONVIF Profile S, G, and Q				

Network Indoor Bullet Cameras

The next-generation Sarix IBP Series indoor bullet cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IBP Series features advanced color science, a mechanical IR cut filter for increased sensitivity in low-light installations.

Next Generation Sarix IBP Series Indoor Bullet				
IBP224-1I	IBP321-1I	IBP322-1I	IBP324-1I	IBP521-1I
Max Resolution 1920 x 1080	2048 x 1536	2048 x 1536	2048 x 1536	2592 x 1944
Image Sensor 1/2.8 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS	1/1.8 inch CMOS
Lens 12-40mm	3-10.5mm	9-22mm	12-40mm	3-10.5mm
Focus Autofocus, motorized				
Day/Night Yes				
Dynamic Range 90 dB				
Color Sensitivity 0.25 lux@ f/1.2	0.25 lux@ f/1.2	0.25 lux@ f/1.2	0.25 lux@ f/1.2	0.3 lux@ f/1.2
Video Compression H.264, MJPEG				
Max IPS at Max Resolution 30 ips				
Audio Line in				
Alarm In/Out Yes				
Analytics Simple motion detection / camera sabotage				
Power Input PoE (IEEE 802.3af, Class 3), 24 VAC, 12VDC				
Pelco System Compatibility VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Third-party VMS through Pelco API 1.				
Open Connectivity ONVIF Profile S, G, and Q				

Network Environmental Bullet Cameras

The next-generation Sarix Enhanced Range with SureVision 3.0 indoor and outdoor bullet cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IBE Series features advanced color science and a mechanical IR cut filter for increased sensitivity in low-light installations.

Next Generation Sarix IBE Series Envionmental Bullet with SureVision 3.0 and IR				
IBE129-1R	IBE229-1R	IBE329-1R	IBE222-1R	IBE322-1R
Max Resolution 1280 x 960	1920 x 1080	2048 x 1536	1920 X 1080	2048 X 1536
Image Sensor 1/2.8 inch CMOS				
Lens 3-9mm, varifocal	3-9mm, varifocal	3-9mm, varifocal	9-22mm, varifocal	9-22mm, varifocal
Focus Auto Focus, motorized; Remote Zoom				
Day/Night Yes				
Dynamic Range 130 dB				
Color Sensitivity 0.05 lux@ f/1.3	0.05 lux@ f/1.3	0.05 lux@ f/1.3	0.20 lux@ f/1.6	0.20 lux@ f/1.6
Video Compression H.264, MJPEG, Pelco Smart Compression				
Max IPS at Max Resolution 60 ips				
IR Illumination Yes, Adaptive IR	Yes, Adaptive IR	Yes, Adaptive IR	2 configurable streams	2 configurable streams
Audio Bidirectional				
Alarm In/Out Yes				
Analytics Built-In Analytics Suite				
Local Storage Up to 128 GB on Micro SDHC or SDXC card				
Power Input PoE (IEEE 802 3af, Class 3), 24 VAC, 12 VDC				
Pelco System Compatibility VideoXpert; Endura version 2 0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application				
Open Connectivity ONVIF Profile S and G				

Network Environmental Bullet Cameras

The next-generation Sarix IBP Series outdoor bullet cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IBP Series features advanced color science, a mechanical IR cut filter, and advanced integrated adaptive IR illumination for increased sensitivity in low-light installations.

Next Generation Sarix IBP Series Environmental Bullet with IR					
	IBP121-1R	IBP122-1R	IBP124-1R	IBP221-1R	IBP222-1R
Max Resolution	1280 x 960	1280 x 960	1280 x 960	1920 x 1080	1920 x 1080
Image Sensor	1/3 inch CMOS	1/3 inch CMOS	1/3 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS
Lens	3-10.5mm, varifocal	9-22mm, varifocal	12-40mm, varifocal	3-10.5mm, varifocal	9-22mm, varifocal
Focus	Auto Focus, Motorized, Remote Zoom				
Day/Night	Yes				
Dynamic Range	90 dB				
Color Sensitivity	0.05 lux@ f/1.4	0.05 lux@ f/1.4	0.05 lux@ f/1.4	0.25 lux@ f/1.2	0.25 lux@ f/1.2
Video Compression	H.264, MJPEG				
Max IPS at Max Resolution	30 ips				
IR Illumination	Yes, Adaptive IR				
Audio	Line-in				
Alarm In/Out	Yes Simple motion detection / camera sabotage				
Analytics	Camera Sabotage				
Local Storage	Up to 64 GB on Micro SDHC or SDXC card				
Power Input	PoE (IEEE 802.3af, Class 3), 24 VAC, 12VDC				
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Third-party VMS through Pelco API 1.	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Third-party VMS through Pelco API 1.	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Third-party VMS through Pelco API 1.	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Third-party VMS through Pelco API 1.
Open Connectivity	ONVIF Profile S, G, and Q				

Next Generation Sarix IBP Series Environmental Bullet with IR					
	IBP224-1R	IBP321-1R	IBP322-1R	IBP324-1R	IBP521-1R
Max Resolution	1920 x 1080	2048 x 1536	2048 x 1536	2048 x 1536	2592 x 1944
Image Sensor	1/2.8 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS	1/1.8 inch CMOS
Lens	12-40mm	3-10.5mm	9-22mm	12-40mm	3-10.5mm
Focus	Autofocus, motorized				
Day/Night	Yes				
Dynamic Range	90 dB				
Color Sensitivity	0.25 lux@ f/1.2	0.25 lux@ f/1.2	0.25 lux@ f/1.2	0.25 lux@ f/1.2	0.3 lux@ f/1.2
Video Compression	H.264, MJPEG				
Max IPS at Max Resolution	30 ips	30 ips	30 ips	30 ips	15 ips
IR Illumination	Yes, Adaptive IR				
Audio	Line-In				
Alarm In/Out	Yes				
Analytics	Simple motion detection/ camera sabotage				
Local Storage	Up to 64 GB on Micro SDHC or SDXC card				
Power Input	PoE (IEEE 802.3af, Class 3); 24 VAC nominal, 18 to 32 VAC range, 12 VDC				
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Third-party VMS through Pelco API 1.				
Open Connectivity	ONVIF Profile S, G, and Q				

Network 4K environmental cameras

Coverage over a wide field of view with crystal clear image detail. Pelco's GFC 4K cameras have digital zoom capabilities to identify faces, license plates, even text. With 100dB True Wide Dynamic Range, you can control the exposure of scenes in bright and dark areas.

Pelco GFC - 4K*		
	GFC IBP SERIES	GFC IMP SERIES
Max Resolution	3840 x 2160	
Image Sensor	1/2.5 inch CMOS	
Lens	3.5 to 10 mm	
Day/Night	Yes	
Dynamic Range	100 dB	
Color Sensitivity	0.0125 lux@ f/1.6	
Video Compression	H.264, MJPEG, Pelco Smart Compression	
Max IPS at Max Resolution	30 ips	
Audio	Differential Line In/Out with terminal block	
Alarm In/Out	1 Input, 1 Output	
Analytics	Simple motion detection / camera sabotage	
Local Storage	Up to 256 GB on SDXC card	
Power Input	PoE+ (Class 4), 24 VAC,12 VDC	
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application	
Open Connectivity	ONVIF Profile S,G, and Q	

*Avaliable soon

Network Vandal Resistant Wedge Cameras

The next-generation Sarix IWP Series indoor and outdoor vandal resistant wedge cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IWP Series features advanced color science, a mechanical IR cut filter, and advanced integrated adaptive IR illumination for increased sensitivity in low-light installations.

Next Generation Sarix IWP Series Vandal Resistant Wedge		
	IWP121-1ES	IWP221-1ES
Max Resolution	1280 x 960	1920 x 1080
Image Sensor	1/3 inch CMOS	1/2.8 inch CMOS
Lens	2.8mm, built-in fixed	
Day/Night	Yes	
Dynamic Range	90 dB	
Color Sensitivity	0.25 lux @ f/1.8	
Video Compression	H.264, MJPEG	
Max IPS at Max Resolution	30 ips	
Audio	Line-in	
Alarm In/Out	1 Input, 1 Output	
Analytics	Simple motion detection / camera sabotage	
Local Storage	Up to 64 GB on Micro SDHC or SDXC card	
Power Input	PoE (IEEE 802.3af, Class 2)	
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application	
Open Connectivity	ONVIF Profile S,G, and Q	

Network Environmental/Vandal-Resistant Dome Cameras

Designed for performance, premium experience, and mission-critical applications, the next-generation Sarix Enhanced Range with SureVision 3.0 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 3.0 cameras are intended for rain, snow, and the most grueling desert heat.

Next Generation Sarix IME Environmental Vandal Mini Domes with SureVision 3.0			
	IME129-1ES IME122-1ES	IME229-1ES IME222-1ES	IME329-1ES IME322-1ES
Max Resolution	1280 x 960	1920 x 1080	2048 x 1536
Image Sensor	1/2.8 inch CMOS		
Lens	3-9mm or 9-22mm, varifocal		
Focus/Zoom	Auto Focus, Remote Zoom		
Day/Night	Yes		
Wide Dynamic Range	130 dB		
Color Sensitivity	0.05 lux @ f/1.3		
Video Compression	H.264, MJPEG, Pelco Smart Compression		
Max IPS at Max Resolution	60 ips		
Audio	Bidirectional		
Alarm In/Out	Yes, Multiple alarms with ALM-1 accessory		
Local Storage	Up to 128 GB on SDHC or SDXC card		
Power Input	PoE (IEEE 802.3af, Class 3), 24 VAC, 12 VDC		
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application		
Open Connectivity	ONVIF Profile S, G, and Q		

Next Generation Sarix IME Environmental Vandal Mini Domes with SureVision 3.0 and IR			
	IME129-1RS	IME229-1RS	IME329-1RS
Max Resolution	1280 x 960	1920 x 1080	2048 x 1536
Image Sensor	1/2.8 inch CMOS		
Lens	3-9mm or 9-22mm, varifocal		
Focus/Zoom	Auto Focus, Remote Zoom		
Day/Night	Yes		
Wide Dynamic Range	130 dB		
Color Sensitivity	0.05 lux @ f/1.3		
Video Compression	H.264, MJPEG, Pelco Smart Compression		
Max IPS at Max Resolution	60 ips		
IR Illumination	Yes, Adaptive IR		
Audio	Bidirectional		
Alarm In/Out	Yes		
Local Storage	Up to 128 GB on SDHC or SDXC card		
Power Input	PoE (IEEE 802.3af, Class 3), 24 VAC, 12 VDC		
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application		
Open Connectivity	ONVIF Profile S, G, and Q		

Network Environmental/Vandal-Resistant Dome Cameras

The next generation 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

Next Generation Sarix IMP Environmental Mini Domes			
IMP121-1ES	IMP221-1ES	IMP321-1ES	IMP521-1ES
Max Resolution 1280 x 960	1920 x 1080	2048 x 1536	2592x1944
Image Sensor 1/3 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS	1/1.8 inch CMOS
Lens 3-10.5mm, varifocal			
Focus/Zoom Auto Focus, Remote Zoom			
Day/Night Yes			
Wide Dynamic Range 90 dB			
Color Sensitivity 0.02 lux @ f/1.4			
Video Compression H.264, MJPEG			
Max IPS at Max Resolution 30 ips	30 ips	30 ips	15 ips
Audio Dual Channel, Line in and out			
Alarm In/Out Yes			
Local Storage Up to 64 GB on Micro SDHC or SDXC card			
Power Input PoE+ Class 4, 24 VAC and 12VDC			
Pelco System Compatibility VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application			
Open Connectivity ONVIF Profile S, G, and Q			

Next Generation Sarix IMP Environmental Mini Domes with IR			
IMP121-1RS	IMP221-1RS	IMP321-1RS	IMP521-1RS
Max Resolution 1280 x 960	1920 x 1080	2048 x 1536	2592x1944
Image Sensor 1/3 inch CMOS	1/2.8 inch CMOS	1/2.8 inch CMOS	1/1.8 inch CMOS
Lens 3-10.5mm, varifocal			
Focus/Zoom Auto Focus, Remote Zoom			
Day/Night Yes			
Wide Dynamic Range 90 dB			
Color Sensitivity 0.02 lux @ f/1.4	0.02 lux @ f/1.2	0.02 lux @ f/1.2	0.02 lux @ f/1.2
Video Compression H.264, MJPEG			
Max IPS at Max Resolution 30 ips			15 ips
IR Illumination Yes, Adaptive IR			
Audio Dual Channel, Line in and out			
Alarm In/Out Yes, Multiple alarms with ALM-1 accessory			
Local Storage Up to 64 GB on Micro SDHC or SDXC card			
Power Input PoE+ Class 4, 24 VAC and PoE+			
Pelco System Compatibility VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application			
Open Connectivity ONVIF Profile S, G, and Q			

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 includes Spectra Enhanced Low Light and Spectra Professional.

	Spectra Enhanced	Spectra Professional	Spectra Professional IR
	SureVision™ 3.0 A Pelco™ by Schneider Electric™ technology		
	S6230* 2.0MP HD 30x Low Light S6230-xxLx* (Standard or Environmental)	P1220* 2.0MP 20X (Standard or environmental)	P2230-ESR
Imager/Scanning	1/2.8 inch Type Exmor CMOS Sensor	1/2.8 inch Type Exmor CMOS Sensor	1/3 inch CMOS Sensor
Lens / 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/4.7, focal length 4.3 mm (wide) ~ 129 mm (tele)
Field Of View	2.3° ~ 63.7°	2.9° to 55.4°	58.9° (wide) ~ 2.11° (tele)
Day/Night	Yes		Yes
Resolution	1920 x 1080		1920 x 1080
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	0.03 Lux Color, 0.004 Lux Mono	0.3 lux
Wide Dynamic Range	130 dB	60 dB	100 dB
Light Sensitivity	0.03 lux	0.3 lux	0.3 lux
Pan/Tilt Features	Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom		360° continuous pan, Tilt Range +15° to –90° Degrees
Window Blanking	Up to thirty two, four-sided, user-defined shapes	Up to eight, user-defined shapes	8 window blanks, configurable in size
Compression Formats	H.264 High, Main, or Base profiles and MJPEG		H.265, H.264, and MJPEG Video Encoding
Video Resolutions / Frame Rate	CIF, VGA, SVGA, 1920 x 1080, 1280x720, 800x448, 640x352, 480x272, 320 x 176 / 30 or 60ips @ 1080p	1920 x 1080, 1280x720, 1024x576, 900x540, 640x352, 320 x 180 / 30ips @ 1080p	1920 x 1080, 1280x720, 800x448, 640x352, 480x272, 320 x 176 / 30 or 60ips @ 1080p
POE	PoE+ IEEE 802 3at Class 4, HPoE	PoE+ IEEE 802.3at Class 4, 48 V, 600 mA (indoor models)	PoE+ IEEE 802.3at Class 4, 48 V, 600 mA
Power	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	Power Over Ethernet (802.3bt), 24 VAC, 48 VDC

* Visit buy.pelco.com for complete part numbers

Network HD Pan/Tilt/Zoom Cameras

Esprit® Enhanced delivers crystal-clear security video in challenging environmnental conditions with the ability to zoom in for great detail and look above the horizon. Pelco's ExSite explosion-proof IP cameras are designed to meet the rigorous requirements for challenging environmental conditions for ease of installation

	Esprit Enhanced	Esprit Enhanced with Adaptive IR
	SureVision™ 3.0 A Pelco™ by Schneider Electric™ technology	SureVision™ 3.0 A Pelco™ by Schneider Electric™ technology
	ESPRIT ENHANCED ES6230*	ESPRIT ENHANCED ES6230-*-R2
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	63.7° (wide) - 2.3° (tele)	
Resolution	1920 x 1080	
Wide Dynamic Range	130 dB	
Light Sensitivity	Color (33ms) 0.03 lux / Color (250 ms) 0.008 lux / Mono (33 ms) 0.004 lux / Mono (250 ms) 0.001 lux	
Pan/Tilt Features	360° continuous pan rotation / Unobstructed +40° to 90°	
Window Blanking	32, programmable	
Image Stabilization	Yes, EIS	
"Sure Focus" Menu Selection	Yes	
SFP Port	Yes, 2 ports	
Operating Temperature Range	–45° to 60°C (–50° to 122°F)	
Environmental ratings	IP66	
Power	HPoE/24VAC/48VDC or 100-240 VAC	48VDC or 100-240 VAC
Certifications	CE, Class A; FCC, Class A; KCC; UL/cUL listed; C-Tick; Meets NEMA TS-2 (Temp.) para 2.2.73 - 2.2.7.7; Meets Type 4X and IP66 Standards;	
Open connectivity	ONVIF S, G, Q	

* Visit buy.pelco.com for complete part numbers. Taking orders for delivery January 2018. Product specifications subject to change.

Network Specialty PTZ Cameras

The ExSite® Enhanced Series PTZ camera systems are designed to meet demanding explosion proof requirements, providing high reliability, ease of installation, and best-in-class imaging and technology.

ExSite Enhanced	
	EXP1230* (Explosion Proof PTZ)
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) (30x Optical, 12x Digital)
Field Of View	63.7° (wide) - 2.3° (tele)
Resolution	1920 x 1080
Wide Dynamic Range	130 DB
Sensitivity	Color (33 ms) 0.03 lux, Color (250 ms) 0.008 lux, Mono (33 ms) 0.004 lux, Mono (250 ms) 0.001 lux
Pan/Tilt Features	360° Continuous Pan Rotation, Tilt Range of +90° to -90° from Horizontal
Motion Detection	Yes
Image Stabilization	Yes
"Sure Focus" Menu Selection	Yes
Operating Temperature Range	-76 to 140 °F (-60 to 60 °C)
Environmental ratings	IP66, IP67, IP68, NEMA Type 4X and Type 6
Power	48 VDC or 100-240 VAC, +/-10%
Certifications	Refer to Product Specification for Certifications on EXP1230 Series Explosion Proof Cameras
Open connectivity	Pelco API or ONVIF S, G, Q

* Visit buy.pelco.com for complete part numbers

Network Specialty PTZ Cameras

Pelco's High Security Corner Mount cameras provide total wall-to-wall and floor-to-ceiling coverage of a contained space. It is suitable for vandal prone areas in corrections facilities, psychiatric institutions, hospitals, and schools. Its corner mounting flush with wall and ceiling surfaces makes it ligature-proof, important where there is a high risk of self-harm.
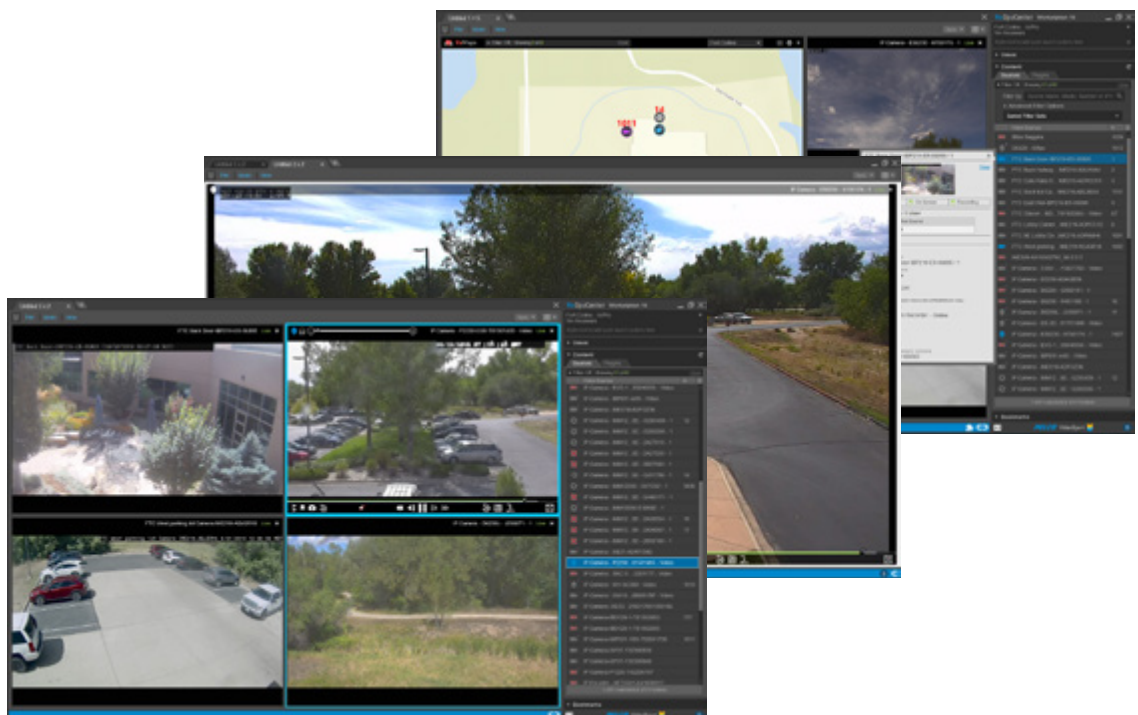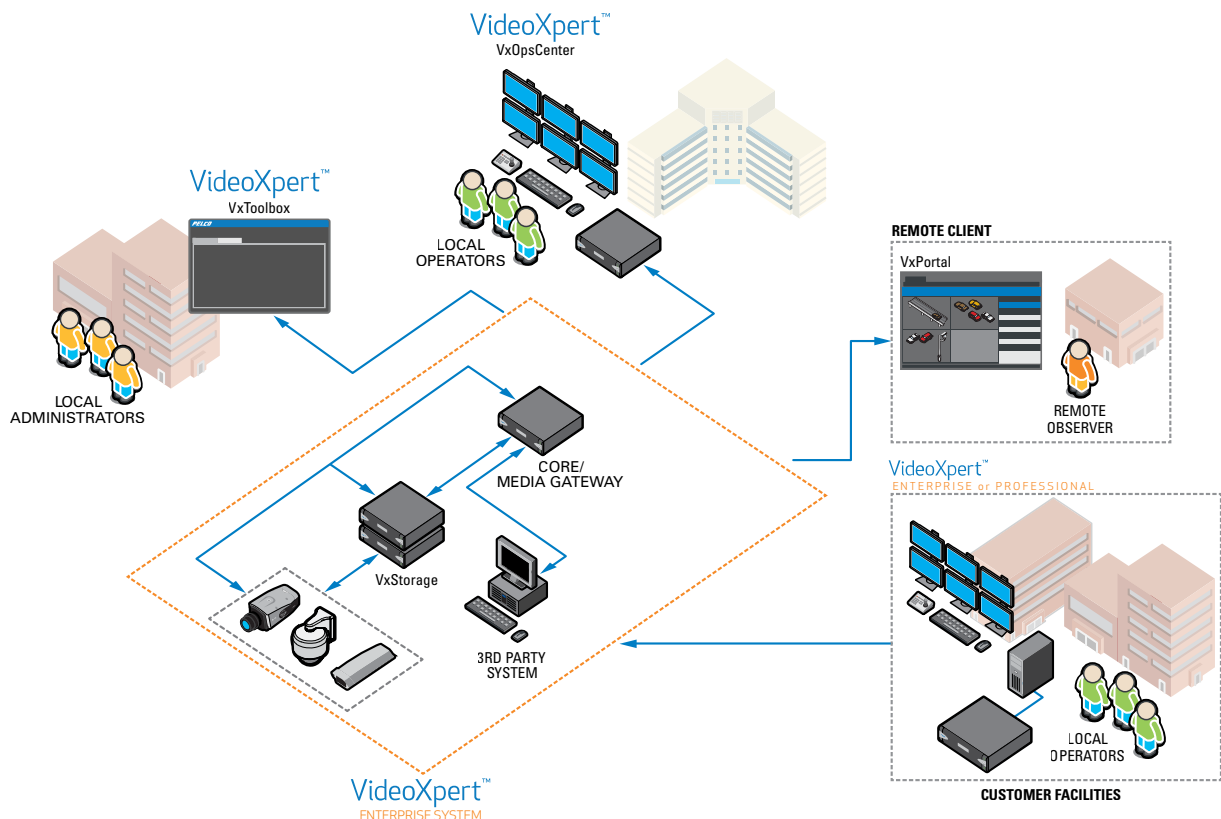
Sarix IBD High Security Corner Mount	
	IBD129-1 (1 MP), IBD329-1 (3 MP)
Max Resolution	1280 x 960, 2048 x 1536
Image Sensor	1/2.8 inch CMOS
Lens	1.8 mm
Day/Night	Yes
Dynamic Range	90 dB
Color Sensitivity	0.02 lux, 0.00 lux with IR illumination
Video Compression	H.264, Pelco Smart Compression
Max IPS at Max Resolution	30 ips
Audio	Built-in digital microphone, line-in, line-out
Alarm In/Out	1 Input, 1 Output
Analytics	Simple motion detection / camera sabotage
Local Storage	Up to 128 GB on Micro SDHC or Micro SDXC card
Power Input	POE Class 3, 24 VAC, 12 VDC
Pelco System Compatibility	VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application
Open Connectivity	ONVIF Profile S,G, and Q

* Visit buy.pelco.com for complete part numbers

VideoXpert™ Enterprise

VxEnterprise

VideoXpert Enterprise 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. Ease of integration with third-party solutions enable customized solutoins for event management, analytics, Point-of-Sale, license plate recognition and access control. Visit www.pelco.com/videoxpert to learn more.

VideoXpert™ Professional

VideoXpert Professional seamlessly bridges the gap between mid-market and enterprise platforms by providing a superior user interface and robust feature set that customers demand. VxPro is ideal for small to mid-size installations. Available with three server options and a single workstation, VxPro provides a robust "all-in-one" solution with all non-client functions on a single machine so users enjoy the features and performance they need to control video with confidence.

IP Video Management Solutions

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.

VideoXpert™ Enterprise		
VideoXpert	**Vx**OpsCenter	**Vx**Storage
VxMediaGateway	VxOpsCenter	VxStorage
The heart of VideoXpert, the Core maintains the database of cameras and recording devices while the Media Gateway routes video traffic to appropriate users as requested.	The VxOpsCenter supports up to six, uniquely configurable monitors, each capable of displaying up to 16 video streams simultaneously.	Designed to maximize uptime, VXS ensures that you never lose access to your mission critical video data, and is designed to work with practically any network storage configuration and technology available today. High Availability, High Uptime and available failover redundancy are all built-in to VXS.

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-XT Extended Temperature
Video Resolutions	D1, 4CIF, 2CIF, CIF	D1, 4CIF, 2CIF, CIF
Frame Rate	Up to 30/25 IPS at D1	Up to 30/25 IPS at D1
Video Analytics	Motion and sabotage	Motion and sabotage
Alarm Inputs	1, 4, 8, 16 (respectively)	1
Relay Outputs	1, 1, 2, 4 (respectively)	1
Onboard Memory	User-supplied micro SD	User-supplied micro SD
Operating Temperature Range	0 to 50 °C (32 to 122 °F)	-20 to 74 °C (-4 to 165 °F)
Compression Formats	M-JPEG, H.264	
Data Rate	20 Kbps – 6 Mbps (2 Mbps per stream X 3)	
Video Streams	3	
Audio	2-way, full- or half-duplex	
Analog Output	Looping available on 1, 4, 8 models	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	
Latency	117 ms - MPEG-4	
Power Input	12 VDC, 1.25A adapter (1 & 4 channel); 12 VDC, 2.08 A adapter (8 & 16 channel)	12 VDC, 2.08 A adapter
Web Browser Access	Microsoft® Internet Explorer® 8 or later, Firefox®, Chrome™, Safari™	
Open Architecture	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.

	600 Series Wall Mount	600 Series Desktop Mount
	PMCL622 (21.5"), PMCL624 (24")	PMCL632 (32"), PMCL643(43"), PMCL650 (50"), PMCL655 (55")
Resolution	Full High Definition 1920 x 1080	
Inputs	HDMI Digital Plus VGA, BNC Analog	
Display	OSD Menu Selection of 16:9 Widescreen or 4:3 SD Aspect Ratio	
	Bright LED Illuminated Panel with Ultra Wide (178°) Viewing Angle	
Audio	Built-in Stereo Speakers (8 inch x 2 inch) and Audio Amplifier	
Mounting	Included Desk Stand is Easily Removable for 75 mm VESA Mounting	Standard 400 x 200 mm VESA Mounting
Power	Power Cord and VGA Cables Included	
	Auto-on when VGA or HDMI DVR/NVR Video is Detected	
Display Languages	On-Screen Display (OSD) Languages: English, Spanish, German, French, Italian, and Chinese (simplified)	
Warranty	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.

Enclosures*		
EH20**	**EH14**** Indoor/Outdoor, Compact	**EHS8000** Pressurized
Maximum Camera Size*	up to 22.86 L x 10.16 W x 7.62 H cm (9.00" L x 4" W x 3.5" H)	27.94 L x 8.25 W x 10.16 H cm (11.00" x 3.25" x 4.00")	up to 22.86 L x 10.16 W x 7.62 H cm (9.00" L x 4" W x 3.5" H)
Viewing Window	0.3 cm (0.118 inch) thick, high optic grade, soda lime glass	Glass	High optic grade soda lime glass, 4K ready
Cable Entry	2 x PG11 compression glands on bottom	2 adjustable 0.5 in NPT liquid-tight gland	0.45 in (11.4 mm)
Lid Fastening	2 Torx-head T30 screws	2 Torx screw	M5 screws with Torx head
Environment	IP66, IK10 and Type 4	IP66 and NEMA Type 4	Indoor/environmental ambient temperature -30° to 50° C (-22° to 122°F)
Power Input	24VAC, 110-230VAC, PoE+HPOE	24 VAC, 230 VAC	24 VAC, HPOE, or 230 VAC
Heater		Yes	
Defroster		Yes	
Blower		Yes	
Wiper	CE, ICES-003, UL/cUL, UL/IEC 60950-22, KCC, RCM	Yes (EH14-2, -3 only)	No
Certifications	CE, ICES-003, IK10	CE	CE, IP66, IP68 IK10

*Accepts camera and lens combinations (assumes lens is fully extended)   **Visit buy.pelco.com for complete part numbers

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.

High-Security Enclosures*	
HS1501** Corner Mount	**HS2100**** Low-profile Wedge
Maximum Camera Size*	22.86 cm x 10.16 cm x 8.89 cm (9.0" L x 4.0" W x 3.5" H)	7.62 L x 10.16 W x 25.4 W cm (3.0" x 4.0" x 10.0")
Viewing Window	12-mm-thick Lexan	12.7-mm-thick Lexan
Cable Entry	Access through back and top	Two conduit knockouts on upper back box
Environment	Indoor NEMA Type 1	Indoor NEMA Type 1
Power Input	N/A	N/A
Vandal	Tamper switch/vandal resistant	Tamper-resistant screw

*Accepts camera and lens combinations (assumes lens is fully extended)   **Visit buy.pelco.com for complete part numbers

Accessories: PoE Midspan

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

PoE Midspan					
1 Single Channel POE1AT	4 Channel POE8ATN	8 Channel POE8ATN	1 Single Channel POE75U-1UP	1 Single Channel POE1XT	1 Single Channel POE90U1BT
Number of Channels	1	4	8	1	1	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	10/100/1000 BASE T
Maximum Power Output	30 W	134 W	269 W	75W	19 W	90W
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	AC 90 TO 264 VAC WITH FREQUENCY RANGE 47 TO 63 HZ.
Operating Temperature	32 – 104 °F (0 – 40 °C)	32 – 104 °F (0 – 40 °C)	32 – 104 °F (0 – 40 °C)	–20° to 40°C (–4° to 104°F)	32 – 131 °F (0 – 55 °C) @ 10 MB and 100 MB rates; 32 – 104 °F (0 – 40 °C) @ GB rates	–20° TO 40°C (–4° TO 104°F)
Led Indicators	Power on/fault detection					
Ieee 802.3 at Compliance	Fully compliant detection, disconnect, overvoltage and current protection					
Power Connector	U.S. power cord or EU power cord					
Mounting	Desktop	Desktop with optional rack mount	Rack mount	Desktop	Desktop and ears for wall-mounting	Desktop
Network Management	NA	Web interface and SNMP management	Web interface and SNMP management	N/A	N/A	N/A
Certifications	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	CE	UL/CUL/CE/ FCC

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 Lenth	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					
Vandal Resistance	IK9					
Environment	IP66					
Accessories	Remote setup tool/wall bracket					
Certifications	CE/UL/cUL/FCC					

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.

	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	Up to 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		
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		
Operating Temperature	-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	Standard Size 8 to 15 VDC Mini AC/DC 22 to 27 VAC or 8 to 24 VDC	9 to 24 VDC or 24 VAC
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) single-mode	Up to 80 km (49.7 mi)*	Up to 120 km (74.5 mi)*
Stand-alone/Rack Mountable	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

	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*	
Number Of Fibers	FSFP dependent*	
Fiber Support Distances	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	

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

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.

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	
Operating Temperature	-40 to 167 °F (-40 to 75 °C)	
Power Input	MSA compliant	
Led Indicators	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
Optical Connector	LC	LC, SC
Optical Loss Budget	FSFP dependent*	
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	

* 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.

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625 W. Alluvial Ave.
Fresno, CA 93711
Tel.: +1 (559) 292-1981

September 2018