



Product comparison guide

➤ IP video solutions



Choose with confidence.

PELCO

by **Schneider** Electric

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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. From end-to-end HD systems to open and integrated solutions, Pelco has an IP video solution to suit your application.

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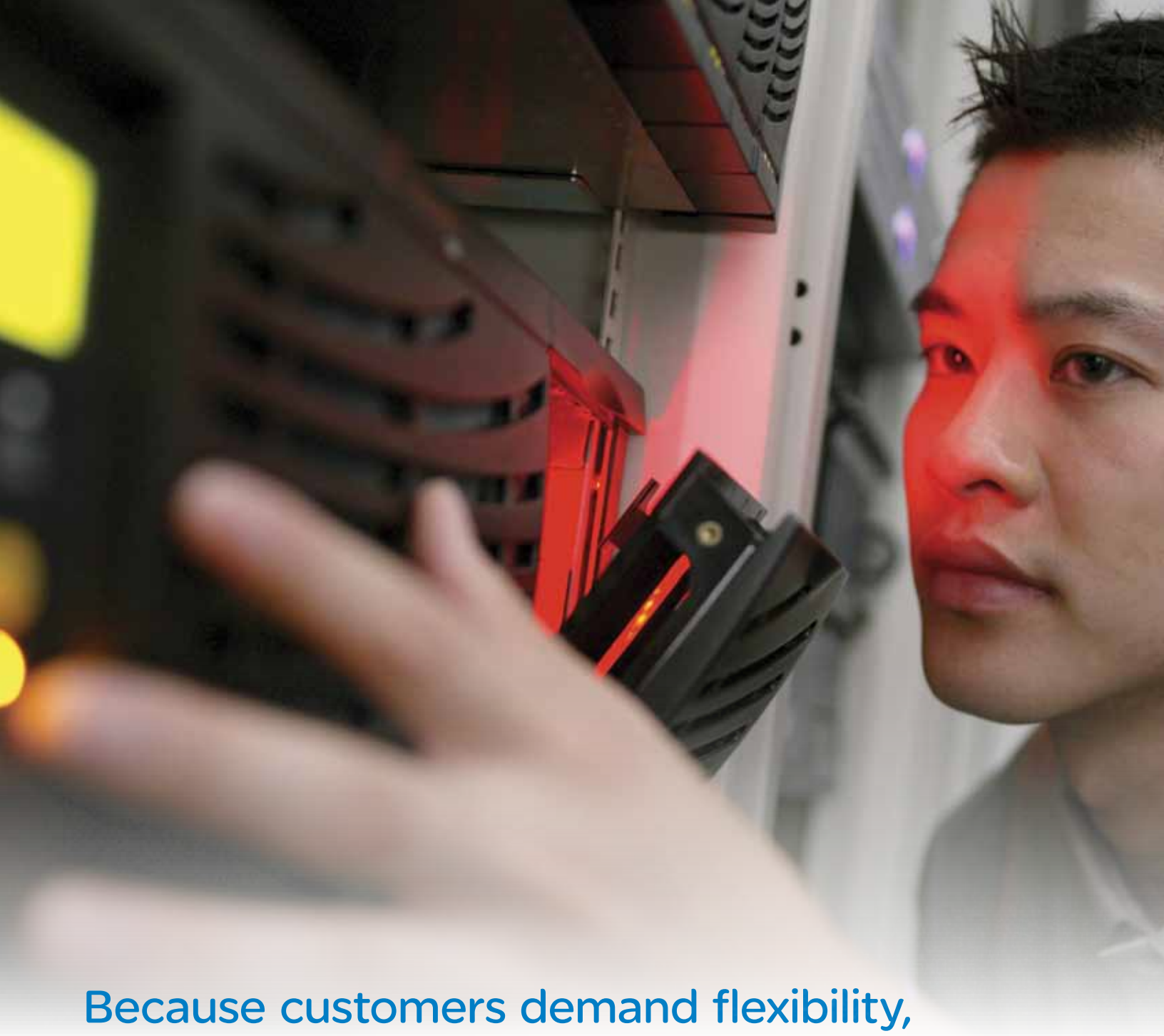
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Features and specifications subject to change without notice. For the most current version of this guide, please visit www.pelco.com





Because customers demand flexibility, all Pelco by Schneider Electric IP video products are designed with open and integrated solutions in mind.

For more information, please visit our PartnerFIRST site at www.pelco.com keyword "partner first"



Network PTZ cameras

With industry-defining features designed and engineered to secure what's most important, the Spectra™ family of high-speed, network-based dome positioning camera systems continues to set the benchmark for performance and reliability.

	Spectra Mini IP	Spectra IV SL	Spectra IV SE
			
	SD4* 10x mini-dome	SD423* 23x SL (standard or environmental)	SD429* 29x SE (standard or environmental)
Imager	1/4-inch Interline CCD	1/4-inch Exview HAD CCD	1/4-inch Exview HAD CCD
Processors	1	1	1
Scanning	2:1 interlaced	2:1 interlaced	Progressive
Lens / Zoom	F1.8, 4.2 mm - 42 mm / 80x Zoom (10x optical 8x digital)	F1.6, 3.6 - 82.8 mm / 276x Zoom (23x optical 12x digital)	F1.4, 3.4 - 98.1 mm / 324x Zoom (29x optical 12x digital)
Field Of View	5.0° to 46.4°	2.5° to 54°	2.3° to 55.8°
Day/Night	No	Yes	Yes
Resolution	470 TVL	540 TVL	540 TVL
Digital Slow Shutter (DSS)	No	No	Yes
Sensitivity	3 lux	35 IRE: 0.65 lux at 1/60 sec (color), 0.15 lux at 1/60 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)
Wide Dynamic Range	No	No	Yes
Proportional Pan/Tilt	Yes	Yes	Yes
Pan / Tilt Features	360° continuous pan / 92° tilt range / mechanical auto flip	360° continuous pan / 92° tilt range / mechanical auto flip	360° continuous pan / 92° tilt range / mechanical auto flip
Presets / Preset Speed / Patterns	64 / 140° per sec / 1	64 / 400° per sec / 1	256 / 400° per sec / 8
Window Blanking	1 Window Blank	Up to four, four-sided, user-defined shapes	Up to eight, four-sided, user-defined shapes
Auto-tracking	No	No	Yes
Motion Detection	No	No	Yes
Image Stabilization	No	No	No
Image Enhancement	No	No	No
"Sure Focus" Menu Selection	No	No	Yes
Sodium Light White Balance	No	No	Yes
Alarm Inputs	1	1	7
Relay Outputs	1	1	2
Compression Formats	MPEG-4, M-JPEG	H.264 baseline, MPEG-4, M-JPEG	H.264 baseline, MPEG-4, M-JPEG
Video Resolutions / Frame Rate	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable
Audio	No	No	No
Audio Compression	No	No	No
USB Expansion Ports	No	No	No
Analog Data Formats	None	Coaxitron™, RS-422 (P & D)	Coaxitron, RS-422 (P & D)
Analog Output	No	Yes, BNC	Yes, BNC
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)
Users	5 Simultaneous, unlimited using Multicast	20 Simultaneous, unlimited using Multicast	20 Simultaneous, unlimited using Multicast
POE	IEEE 802.3af class 3	No	No
Power	18 - 30 VAC, 24 VAC nominal; 0.75 A, 50/60 Hz nominal	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal
Certifications	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC
Warranty	2 years	3 years	3 years

* Visit B.O.S.S. 5.1 at www.pelco.com for complete part numbers. † IP66 rated

Network PTZ cameras

With industry-defining features designed and engineered to secure what's most important, the Spectra family of high-speed, network-based dome positioning camera systems continues to set the benchmark for performance and reliability.

Spectra IV SE				
				
	SD429-H* 29x SE heavy duty†‡	SD429-PSG* 29x SE stainless steel†	SD436* 36x SE (standard or environmental)	SD436-H* 36x SE heavy duty†‡
Imager	1/4-inch Exview HAD CCD	1/4-inch Exview HAD CCD	1/4-inch Exview HAD CCD	1/4-inch Exview HAD CCD
Processors	1	1	1	1
Scanning	Interlaced/progressive	Interlaced/progressive	Interlaced/progressive	Interlaced/progressive
Lens / Zoom	F1.4, 3.4 - 98.1 mm / 324x zoom (29x Optical 12x digital)	F1.4, 3.4 - 98.1 mm / 324x zoom (29x optical 12x digital)	f/1.4 (focal length, 3.3 - 119 mm) (36x optical 12x digital)	F1.4, 3.4 - 119 mm / 420x zoom (36x optical 12x digital)
Field Of View	2.3° to 55.8°	2.3° to 55.8°	1.7° to 55.8°	1.7° to 55.8°
Day/Night	Yes	Yes	Yes	Yes
Resolution	540 TVL	540 TVL	540 TVL	540 TVL
Digital Slow Shutter (DSS)	Yes	Yes	Yes	Yes
Sensitivity	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)
Wide Dynamic Range	Yes	Yes	Yes	Yes
Proportional Pan/Tilt	Yes	Yes	Yes	Yes
Pan / Tilt Features	360° continuous pan / 92° tilt range / mechanical auto flip	360° continuous pan / 92° tilt range / mechanical auto flip	360° continuous pan / 92° tilt range / mechanical auto flip	360° continuous pan / 92° tilt range / mechanical auto flip
Presets / Preset Speed / Patterns	256 / 400° per sec / 8	256 / 400° per sec / 8	256 / 400° per sec / 8	256 / 400° per sec / 8
Window Blanking	Up to eight, four-sided, user-defined shapes	Up to eight, four-sided, user-defined shapes	Up to eight, four-sided, user-defined shapes	Up to eight, four-sided, user-defined shapes
Auto-tracking	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes
Image Stabilization	Yes	Yes	Yes	Yes
Image Enhancement	No	No	Yes	Yes
"Sure Focus" Menu Selection	Yes	Yes	Yes	Yes
Sodium Light White Balance	Yes	Yes	Yes	Yes
Alarm Inputs	7	7	7	7
Relay Outputs	2	2	2	2
Compression Formats	H.264 baseline, MPEG-4, M-JPEG	H.264 baseline, MPEG-4, M-JPEG	H.264 baseline, MPEG-4, M-JPEG	H.264 baseline, MPEG-4, M-JPEG
Video Resolutions / Frame Rate	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable
Audio	No	No	No	No
Audio Compression	G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s	G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s	G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s	G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s
USB Expansion Ports	No	No	No	No
Analog Data Formats	Coaxitron, RS-422 (P & D)	Coaxitron, RS-422 (P & D)	Coaxitron, RS-422 (P & D)	Coaxitron, RS-422 (P & D)
Analog Output	Yes, BNC	Yes, BNC	Yes, BNC	Yes, BNC
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)
Users	20 simultaneous, unlimited using Multicast	20 simultaneous, unlimited using Multicast	20 simultaneous, unlimited using Multicast	20 simultaneous, unlimited using Multicast
POE	No	No	No	No
Power	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal
Certifications	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC
Warranty	3 years	3 years	3 years	3 years

* Visit B.O.S.S. 5.1 at www.pelco.com for complete part numbers. † IP66 rated ‡ Vandal resistant

Network PTZ cameras continued >>

Network PTZ cameras

With industry-defining features designed and engineered to secure what's most important, the Spectra family of high-speed, network-based dome positioning camera systems continues to set the benchmark for performance and reliability.

	Spectra IV SE		Spectra HD		Spectra HD 1080
					
	SD436-PSG* 36x SE stainless steel†	SD4H36* 36x SE horizon†	S5118* 1.3 MP HD (standard or environmental)	S5220* 2.0 MP HD (standard or environmental)	
Imager	1/4-inch Exview HAD CCD	1/4-inch Exview HAD CCD	1/3-inch CCD	1/2.8-inch Type Exmor CMOS	
Processors	1	1	2	2	
Scanning	Interlaced/progressive	Interlaced/progressive	Progressive	Progressive	
Lens / Zoom	F1.4, 3.4 - 119 mm / 420x zoom (36x optical 12x digital)	F1.4, 3.4-119mm / 420x zoom (36x optical 12x digital)	F1.6, 4.7 - 84.6 mm / 18x zoom (optical)	f/1.6 ~ f/3.5, / focal length 4.7 mm (wide) ~ 94.0 mm (tele) 20x optical zoom 12x digital zoom	
Field Of View	1.7° to 55.8°	1.7° to 55.8°	3.2° to 55.2°	Horizontal 55.4° (wide) ~ 2.9° (tele)	
Day/Night	Yes	Yes	Yes	Yes	
Resolution	540 TVL	540 TVL	1280x960	1920x1080	
Digital Slow Shutter (DSS)	Yes	Yes	Yes	Yes	
Sensitivity	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	f/1.6, 2850 K, SNR>24 dB; color (33 ms) = 1.0 lux; color (250 ms) = 0.125 lux; mono (33 ms) = 0.5 lux; mono (250 ms) = 0.125 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	
Wide Dynamic Range	Yes	Yes	Yes, >50 dB with WDR off, >75 dB with WDR on	80 dB	
Proportional Pan/Tilt	Yes	Yes	Yes	Yes	
Pan / Tilt Features	360° continuous pan / 92° tilt range / mechanical auto flip	360° continuous pan / 110° tilt range / mechanical auto flip	360° continuous pan / 92° tilt range / mechanical auto flip	Proportional pan / tilt continually decreases pan / tilt speeds in proportion to depth of zoom	
Presets / Preset Speed / Patterns	256 / 400° per sec / 8	256 / 400° per sec / 8	256 / 400° per sec / 16	360° continuous pan rotation at 280° per second	
Window Blanking	Up to eight, four-sided, user-defined shapes	Up to eight, four-sided, user-defined shapes	Up to eight, four-sided, user-defined shapes	Up to 32, four-sided, user-defined shapes	
Auto-tracking	Yes	Yes	Yes	Yes	
Motion Detection	Yes	Yes	Yes	Yes	
Image Stabilization	Yes	Yes	No	No	
Image Enhancement	Yes	Yes	N/A	N/A	
"Sure Focus" Menu Selection	Yes	Yes	No	No	
Sodium Light White Balance	Yes	Yes	No	No	
Alarm Inputs	7	7	Yes, ALM-1	Yes, ALM-1	
Relay Outputs	2	2	Yes, ALM-1	Yes, ALM-1	
Compression Formats	H.264 baseline, MPEG-4, M-JPEG	H.264 baseline, MPEG-4, M-JPEG	H.264 High Profile, M-JPEG	H.264 high, main, or base profiles and MJPEG	
Video Resolutions / Frame Rate	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF / 25 or 30 fps at 4CIF maximum, scalable	CIF, VGA, SVGA, 1280x720, 1280x960, 640x512, 640x352, 480x368, 480x272, 320x256, 320x176 / 25 or 30 fps @ 720p, 20 fps @ 960p	CIF, VGA, SVGA, 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 25 or 30fps @ 1080p	
Audio	No	No	Yes, AUD-1	Yes, AUD-1	
Audio Compression	N/A	G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s	G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s	G.711 PCM 8 bit, 8kHz mono at 64 kbits/s	
USB Expansion Ports	No	No	Yes	Yes, Pelco accessories only	
Analog Data Formats	Coaxitron, RS-422 (P & D)	Coaxitron, RS-422 (P & D)	N/A	N/A	
Analog Output	Yes	Yes, BNC	No	No	
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	
Users	20 simultaneous, unlimited using Multicast	20 simultaneous, unlimited using Multicast	20 simultaneous, unlimited using Multicast	Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams) Multicast: unlimited users H.264	
POE	No	No	IEEE 802.3af class 3 (standard models)	IEEE 802.3af class 3 (standard models)	
Power	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal	18 - 32 VAC (24 VAC); 22 - 27 VDC (24 VDC); 23 VA nominal	18 - 32 VAC; 24 VAC nominal 22 - 27 VDC; 24 VDC nominal	
Certifications	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL Listed; C-Tick, CCC	
Warranty	3 years	3 years	3 years	3 years	

* Visit B.O.S.S. 5.1 at www.pelco.com for complete part numbers. † IP66 rated



Capture video with confidence.

Spectra HD 1080

High-speed, network dome
positioning system

Network thermal imaging cameras

The all-digital Sarix™ TI thermal imaging camera system represents the evolution of thermal imaging by delivering industry-leading image quality and the performance, features, and ease of integration that security professionals demand. Visit www.pelco.com/sarixti to learn more.

Sarix TI thermal fixed IP



TI206
240x184 resolution



TI3
384x288 resolution



TI6
640x480 resolution

Sensor	Sun-safe amorphous silicon Long Wave Infrared (LWIR) microbolometer	Sun-safe amorphous silicon Long Wave Infrared (LWIR) microbolometer	Sun-safe amorphous silicon Long Wave Infrared (LWIR) microbolometer
Pixel Size	25 micron	25 micron	17 micron
Sensitivity (NETD)	<50 mK at f/1.0	<50 mK at f/1.0	<50 mK at f/1.0
Processors	3	3	3
Scanning	Progressive	Progressive	Progressive
Lens Options	6.3 mm	14.25 mm 35 mm 50 mm 100 mm	14.25 mm 35 mm 50 mm 100 mm
Field Of View (H/V/D)	55°/41°/68°	44°/33°/54° 18°/13°/22° 12°/9°/15° 6°/5°/8°	44°/33°/54° 18°/13°/22° 12°/9°/15° 6°/5°/8°
Array Format / Effective Resolution	240x184 / 44,160	384x288 / 110,592	640x480 / 307,200
Spectral Response	7.5 to 13.5 µm (LWIR)	7.5 to 13.5 µm (LWIR)	7.5 to 13.5 µm (LWIR)
Normalization Source	Internal shutter (offset only), 0.3 second video freeze during shutter	Internal shutter (offset only), 0.3 second video freeze during shutter	Internal shutter (offset only), 0.3 second video freeze during shutter
Display Formats	White hot, black hot, and rainbow	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	Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle
Alarm Inputs	1	1	1
Relay Outputs	1	1	1
Compression Formats	H.264 high, main or base profile, M-JPEG	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	Up to 2 simultaneous streams
Video Resolutions / Frame Rate	240x184 or 160x120 / 8.3, 25, or 30 ips	384x288, 320x240, or 320x176 (16:9) / 8.3, 25, or 30 ips	640x480 or 320x240 / 8.3, 25, or 30 ips
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)
Local Storage	Micro SD	Micro SD	Micro SD
Audio	Bidirectional, half duplex; line level/external microphone input; 600 ohm differential; 1 Vp-p maximum signal level	Bidirectional, half duplex; line level/external microphone input; 600 ohm differential; 1 Vp-p maximum signal level	Bidirectional, half duplex; line level/external microphone input; 600 ohm differential; 1 Vp-p maximum signal level
Audio Compression	G.711 PCM 64 kbit/s	G.711 PCM 64 kbit/s	G.711 PCM 64 kbit/s
USB Expansion Ports	No	No	No
Users	Unicast - Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); Multicast - unlimited users H.264	Unicast - Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); Multicast - unlimited users H.264	Unicast - Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); Multicast - unlimited users H.264
POE	No	No	No
Analog Output	Yes, BNC, 75 ohms, unbalanced, NTSC, or PAL 1Vp-p	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/24 VDC	24 VAC/24 VDC
Certifications	FCC and CE-Class A; UL Listed; C-Tick; NEMA® 4/IP66; Shock & Vibration, meets NEMA TS 2; IEC613736-8, -9, -10	FCC and CE-Class A; UL Listed; C-Tick; NEMA 4/IP66; Shock & Vibration, meets NEMA TS 2; IEC613736-8, -9, -10	FCC and CE-Class A; UL Listed; C-Tick; NEMA 4/IP66; Shock & Vibration, meets NEMA TS 2; IEC613736-8, -9, -10
Warranty	3 years	3 years	3 years

Visit B.O.S.S. 5.1 at www.pelco.com for complete part numbers.

Network thermal imaging cameras

The all-digital Sarix TI thermal imaging camera system represents the evolution of thermal imaging by delivering industry-leading image quality and the performance, features, and ease of integration that security professionals demand. Visit www.pelco.com/sarixti to learn more.

Sarix TI thermal IP pan/tilts



ESTI3* Series
384x288 resolution



ESTI6* Series
640x480 resolution

Sensor	Sun-safe amorphous silicon Long Wave Infrared (LWIR) microbolometer				Sun-safe amorphous silicon Long Wave Infrared (LWIR) microbolometer		
Pixel Size	25 micron				17 micron		
Sensitivity (NETD)	<50 mK at f/1.0				<50 mK at f/1.0		
Processors	3				3		
Scanning	Progressive				Progressive		
Lens Options	14.25 mm	35 mm	50 mm	100 mm	35 mm	50 mm	100 mm
Field Of View (H/V/D)	44°/33°/54°	18°/13°/22°	12°/9°/15°	6°/5°/8°	18°/13°/22°	12°/9°/15°	6°/5°/8°
Array Format / Effective Resolution	384x288 / 110,592				640x480 / 307,200		
Spectral Response	7.5 to 13.5 µm (LWIR)				7.5 to 13.5 µm (LWIR)		
Normalization Source	Internal shutter (offset only), 0.3 second video freeze during shutter				Internal shutter (offset only), 0.3 second video freeze during shutter		
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		
Alarm Inputs	1				1		
Relay Outputs	1				1		
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, 320x240, or 320x176 (16:9) / 8.3, 25, or 30 ips				640x480 or 320x240 / 8.3, 25, or 30 ips		
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)				TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)		
Local Storage	Micro SD				Micro SD		
Audio	UTP 600 ohm mono, 12 VDC power source, line level/external microphone input, 1 Vp-p maximum signal level				UTP 600 ohm mono, 12 VDC power source, line level/external microphone input, 1 Vp-p maximum signal level		
Audio Compression	G.711 PCM 64 kbit/s				G.711 PCM 64 kbit/s		
USB Expansion Ports	No				No		
Users	Unicast - Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); Multicast - unlimited users H.264				Unicast - Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); Multicast - unlimited users H.264		
POE	No				No		
Analog Output	Yes, BNC, 75 ohms, unbalanced, NTSC, or PAL 1Vp-p				Yes, BNC, 75 ohms, unbalanced, NTSC, or PAL 1Vp-p		
Pan / Tilt Features	360° continuous pan / +33° to -83° tilt from horizontal				360° continuous pan / +33° to -83° tilt from horizontal		
Analog Data Formats	Coaxitron, RS-422 (P or D)				Coaxitron, RS-422 (P or D)		
Presets / Preset Speed / Preset Tours	255 / 100° per sec / yes				255 / 100° per sec / yes		
Power	24 VAC/115 VAC/230 VAC				24 VAC/115 VAC/230 VAC		
Certifications	FCC and CE-Class A; UL Listed; C-Tick; NEMA 4/IP66; Shock and Vibration, meets NEMA TS 2; IEC613736-8, -9, -10				FCC and CE-Class A; UL Listed; C-Tick; NEMA 4/IP66; Shock and Vibration, meets NEMA TS 2; IEC613736-8, -9, -10		
Warranty	3 years				3 years		

* Visit B.O.S.S. 5.1 at www.pelco.com for complete part numbers.

Network 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 IX Series with SureVision

SureVision



IXE10LW

SureVision



IXS0LW

	IXE10LW	IXS0LW
Resolution	1280x960	800x600
Image Sensor	1/3" CMOS	1/3" CMOS
Lens	CS mount	CS mount
Focus	Auto Back Focus	Auto Back Focus
Day/Night	Yes	Yes
Wide Dynamic Range	120 dB	120 dB
Illumination	.0013 @ f1.2	.0013 @ f1.2
Video Compression	H.264, M-JPEG	H.264, M-JPEG, MPEG-4
Max IPS at Max Resolution	30 ips	25 ips, 30 ips
Audio	Accessory AUD-1	Accessory AUD-1
Alarm In/Out	1 In/Out, Multiple alarms with ALM-1 accessory	1 In/Out, Multiple alarms with ALM-1 accessory
Analytics	Pelco and OV analytics	Adaptive motion/camera sabotage
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
AC Power	24 VAC	24 VAC
PoE	Class 3	Class 3
Video Service Jack	Yes	Yes
Pelco System Compatibility	Endura™ 2.0 (or later); Digital Sentry™ v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); and DX4700/4800 family v1.0 (or later)
Open connectivity	Pelco API and ONVIF™ v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems

SureVision

SureVision – the new era of image quality

SureVision™ is a state-of-the-art imaging science that combines wide dynamic range, low light, and anti-bloom capabilities into one highly intelligent technology. The result is a camera that handles light nearly as well as the human eye – automatically adjusting to deliver exceptional detail in the most challenging lighting conditions. Available in Sarix IX Series IP cameras and Sarix IM Series mini domes, SureVision sets a new standard for image quality, with incredible flexibility to integrate SureVision into any installation. Bright light, low light, or intense shining light, SureVision can handle it all – automatically, simultaneously.

Sarix IX Series



IXE20DN



IXE10DN



IX30DN



IXS0DN



IXS0C

	IXE20DN	IXE10DN	IX30DN	IXS0DN	IXS0C
Resolution	1920x1080	1280x1024	2048x1536	800x600	800x600
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" 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	No
Illumination	0.03 lux @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2	0.12 lux @ f1.2
Video Compression	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG, MPEG-4	H.264, M-JPEG, MPEG-4
Max IPS at Max Resolution	30 ips	30 ips @ 720p	3 ips, 12 ips	25 ips, 30 ips	25 ips, 30 ips
Audio	Accessory AUD-1	Accessory AUD-1	Accessory AUD-1	Accessory AUD-1	Accessory AUD-1
Alarm In/Out	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory
Analytics	Pelco and OV analytics	Pelco and OV analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
AC Power	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC
PoE	Class 3	Class 3	Class 3	Class 3	Class 3
Video Service Jack	Yes	Yes	Yes	Yes	Yes
Pelco System Compatibility	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); and DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); and DX4700/4800 family v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems

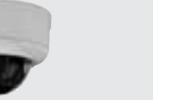
Network indoor dome cameras

Compact, powerful, and affordable, the IM Series packs the most popular features and functionality of Sarix technology into a discreet and value-driven indoor dome enclosure. The new IM-V Series vandal-resistant domes are ideal for corrections facilities, schools, or any location where video security equipment could be at risk.

Sarix IM-V Series vandal resistant

	 IM10LW10-1V	 IMS0LW10-1V	 IM10DN10-1V	 IMS0DN10-1V	 IMS0C10-1V
Resolution	1280x960	800x600	1280x1024	800x600	800x600
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm
Focus	Auto focus	Auto focus	Auto focus	Auto focus	Auto focus
Day/Night	Yes	Yes	Yes	Yes	No
Wide Dynamic Range	120 dB	120 dB	60 dB	60 dB	60 dB
Illumination	.0013 @ f1.2	.0013 @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2	0.12 lux @ f1.2
Video Compression	H.264, M-JPEG	H.264, M-JPEG, MPEG-4	H.264, M-JPEG	H.264, M-JPEG, MPEG-4	H.264, M-JPEG, MPEG-4
Max IPS at Max Resolution	12.5 ips @ 720p, 30 ips @ 720p	25 ips, 30 ips	12.5 ips @ 720p, 30 ips @ 720p	25 ips, 30 ips	25 ips, 30 ips
Audio	Line-in/line-out, built-in mic	Line-in/line-out, built-in mic	Line-in/line-out, built-in mic	Accessory AUD-1	Accessory AUD-1
Alarm In/Out	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
AC Power	No	No	No	No	No
PoE	Class 2	Class 2	Class 2	Class 2	Class 2
Video Service Jack	Yes	Yes	Yes	Yes	Yes
Vandal Resistant	IK10++ 50J	IK10++ 50J	IK10++ 50J	IK10++ 50J	IK10++ 50J
Pelco System Compatibility	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 family v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 family v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems

Sarix IM Series

	 IM10LW10-1 (B1)	 IMS0LW10-1	 IM10C10-1 (B1)	 IMS0C10-1
Resolution	1280x960	800x600	1280x1024	800x600
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm
Focus	Auto focus	Auto focus	Auto focus	Manual
Day/Night	Yes	Yes	No	No
Wide Dynamic Range	120 dB	120 dB	60 dB	60 dB
Illumination	.0013 @ f1.2	.0013 @ f1.2	0.12 lux @ f1.2	0.12 lux @ f1.2
Video Compression	H.264, M-JPEG	H.264, M-JPEG, MPEG-4	H.264, M-JPEG	H.264, M-JPEG, MPEG-4
Max IPS at Max Resolution	12.5 ips @ 720p, 30 ips @ 720p	25 ips, 30 ips	12.5 ips @ 720p, 30 ips @ 720p	25 ips, 30 ips
Audio	Line-in/line-out, built-in mic	Line-in/line-out, built-in mic	Line-in/line-out, built-in mic	Accessory AUD-1
Alarm In/Out	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
AC Power	No	No	No	No
PoE	Class 2	Class 2	Class 2	Class 2
Video Service Jack	Yes	Yes	Yes	Yes
Pelco System Compatibility	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 family v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 family v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems

Network indoor cameras continued >>

Network indoor dome cameras

The Sarix ID Series sets a new standard for features and performance in a network dome camera, with remarkably easy one-handed installation and innovative Auto Back Focus.

Sarix ID Series				
				
	IDE20DN8-1	IDE10DN8-1	ID30DN8-1	IDS0DN12-1
Resolution	1920x1080	1280x1024	2048x1536	800x600
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	CS mount 2.8 - 8 mm	CS mount 2.8 - 8 mm	CS mount 2.8 - 8 mm	CS mount 2.8 - 12 mm
Focus	Auto Back Focus	Auto Back Focus	Auto Back Focus	Auto Back Focus
Day/Night	Yes	Yes	Yes	Yes
Illumination	0.03 lux @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2
Video Compression	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG, MPEG-4
Max IPS at Max Resolution	30 ips	30 ips @ 720p	3 ips, 12 ips	25 ips, 30 ips
Audio	Accessory AUD-1	Accessory AUD-1	Accessory AUD-1	Accessory AUD-1
Alarm In/Out	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory
Analytics	Pelco and OV analytics	Pelco and OV analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
AC Power	24 VAC	24 VAC	24 VAC	24 VAC
PoE	Class 3	Class 3	Class 3	Class 3
Video Service Jack	Yes	Yes	Yes	Yes
Pelco System Compatibility	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); and DX4700/4800 family v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems

Compact, affordable network indoor cameras

The new Sarix Value Series mini box and micro dome cameras are high-definition, cost-effective IP cameras perfect for most any indoor fixed video security application. The IL10 Series cameras produce high-quality, color HD video, and the integrated pre-focused fixed focal length lens makes sharp scene alignment and installation quick and easy. The box camera models offer unique mounting flexibility and the micro dome models ship with quick-snap, in-ceiling mounts.

Sarix IL10 Series				
				
	IL10-BP Box camera	IL10-BA Box camera	IL10-DP Micro dome	IL10-DA Micro dome
Resolution	1280x720	1280x720	1280x720	1280x720
Image Sensor	1/6.9" CMOS	1/6.9" CMOS	1/6.9" CMOS	1/6.9" CMOS
Lens	Fixed - 68° diagonal field of view	Fixed - 68° diagonal field of view	Fixed - 68° diagonal field of view	Fixed - 68° diagonal field of view
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	4.3" (10.9 mm) long	4.3" (10.9 mm) long	1.5" (3.9 mm) dia bubble	1.5" (3.9 mm) dia bubble
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

We're committed to your satisfaction.

Understanding the challenges today's security professionals face, Pelco by Schneider Electric guarantees 24-hour out-the-door shipping and 90-day no-questions-asked returns. That means the products you want, when you want them, and the ability to return them no questions asked. There is nothing more important than being able to accurately plan and manage your business while having the confidence to provide ironclad commitments to your customers. With our 24/90 guarantees, Pelco helps you do just that.

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Network rugged dome cameras

The Sarix IE Series outdoor network fixed dome camera is the industry's most innovative, easy-to-install, and high-performance all-weather IP-based imaging solution. The new vandal-resistant IM-E Series environmental fixed mini domes bring the power of Sarix to a compact, affordable dome that is tough enough to handle any weather condition.

Sarix IM-E Series

SureVision



IM10LW10-1E

SureVision



IMS0LW10-1E



IM10DN10-1E



IMS0DN10-1E



IMS0C10-1E

	IM10LW10-1E	IMS0LW10-1E	IM10DN10-1E	IMS0DN10-1E	IMS0C10-1E
Resolution	1280x960	800x600	1280x1024	800x600	800x600
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm
Focus	Auto focus	Auto focus	Auto focus	Auto focus	Auto focus
Day/Night	Yes	Yes	Yes	Yes	No
Wide Dynamic Range	120 dB	120 dB	60 dB	60 dB	60 dB
Illumination	.0013 @ f1.2	.0013 @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2	0.12 lux @ f1.2
Video Compression	H.264, M-JPEG	H.264, M-JPEG, MPEG-4	H.264, M-JPEG	H.264, M-JPEG, MPEG-4	H.264, M-JPEG, MPEG-4
Max IPS at Max Resolution	12.5 ips @ 720p, 30 ips @ 720p	25 ips, 30 ips	12.5 ips @ 720p, 30 ips @ 720p	25 ips, 30 ips	25 ips, 30 ips
Audio	Line-in/line-out	Line-in/line-out	Line-in/line-out	Accessory AUD-1	Accessory AUD-1
Alarm In/Out	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
AC Power	No	No	No	No	No
PoE	Class 3	Class 3	Class 3	Class 3	Class 3
Video Service Jack	Yes	Yes	Yes	Yes	Yes
Outdoor Rated	IP66, IK10++	IP66, IK10++	IP66, IK10++	IP66, IK10++	IP66, IK10++
Pelco System Compatibility	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems

Sarix IE Series



IEE20DN8-1



IEE10DN8-1



IE30DN8-1



IES0DN12-1

	IEE20DN8-1	IEE10DN8-1	IE30DN8-1	IES0DN12-1
Resolution	1920x1080	1280x1024	2048x1536	800x600
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	CS Mount 2.8 - 8 mm	CS Mount 2.8 - 8 mm	CS Mount 2.8 - 8 mm	CS Mount 2.8 - 12 mm
Focus	Auto Back Focus	Auto Back Focus	Auto Back Focus	Auto Back Focus
Day/Night	Yes	Yes	Yes	Yes
Illumination	0.03 lux @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2
Video Compression	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG, MPEG-4
Max IPS at Max Resolution	30 ips	30 ips @ 720p	3 ips, 12 ips	25 ips, 30 ips
Audio	Line-in/line-out	Line-in/line-out	Line-in/line-out	Line-in/line-out
Alarm In/Out	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory
Analytics	Pelco and OV analytic suites	Pelco and OV analytic suites	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
AC Power	24 VAC	24 VAC	24 VAC	24 VAC
PoE	Class 3	Class 3	Class 3	Class 3
Video Service Jack	Yes	Yes	Yes	Yes
Outdoor Rated	IP66, IK10++ 70J	IP66, IK10++ 70J	IP66, IK10++ 70J	IP66, IK10++ 70J
Pelco System Compatibility	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems	Pelco API and ONVIF v1.02 for connecting to third-party systems

Monitors

Pelco offers a complete array of viewing solutions to help you get the maximum benefit out of your IP video system. Backed by a three-year warranty, Pelco viewing solutions offer rigorous construction and optimized thermal management to ensure the reliability and long-life operation that video security professionals demand.

	300 Series desktop	400 Series desktop
		
	PMCL317B and PMCL319BL	PMCL417HB and PMCL419HB
GENERAL		
Native Resolution	1280x1024	1280x1024
Brightness	250 nit	350 nit
Contrast Ratio	1000:1	1000:4
Response Time	5 ms	5 ms
Panel Life	50K hours	50K hours
Viewing Angle	160/160	160/160
Aspect Ratio	5:4	5:4
ELECTRICAL		
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
ENVIRONMENTAL		
Operating Temperature	0 – 40 °C	0 – 40 °C
Operating Humidity	20% - 80% non condensing	20% - 80% non condensing
PHYSICAL		
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	
			
PMCL524BL		PMCL532BL, PMCL42BL, PMCL46BL, and PMCL55BL	
GENERAL			
Native Resolution	1920x1080	1920x1080	
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	
ELECTRICAL			
Power Consumption	<60 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)	
ENVIRONMENTAL			
Operating Temperature	0 – 40 °C	0 – 40 °C	
Operating Humidity	10% – 90% non condensing	20% – 80% non condensing	
PHYSICAL			
Unit Weight	11.0 lbs	27.6 lbs (32"), 44.1 lbs (42"), 50.0 lbs (46"), 66.6 lbs (56")	
Shipping Weight	20.1 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), PMCLNBWMF (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; 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	

Digital video recorders

DX Series DVRs are the ideal choice for affordable, efficient entry into full-featured video storage management. With support for four to 16 analog cameras, 120 to 480 IPS, and storage from 250 GB to 8 TB, these systems are designed for easy use out of the box. Customers can connect Pelco DVRs and HVRs by using DS ControlPoint or the new DX Series client.

	DX4100	DX4700	DX4800
			
GENERAL			
Analog Camera Inputs	4	8 or 16	8 or 16
Looping	Yes	Yes	Yes
IP Camera Inputs	None	2, HD IP cameras up to 3.1 MP (IP licenses not included)	2, HD IP cameras up to 3.1 MP (IP licenses included)
Maximum Record Rate CIF	120 ips NTSC, 100 ips PAL	480 ips NTSC, 400 ips	480 ips NTSC, 400 ips
Maximum Record Rate 2CIF	60 ips NTSC, 50 ips PAL	240 ips NTSC, 200 ips PAL	480 ips NTSC, 400 ips
Maximum Record Rate 4CIF	30 ips NTSC, 25 ips PAL	120 ips NTSC, 100 ips	480 ips NTSC, 400 ips
Compression Technology	H.264	H.264	H.264
Operating System	Embedded	Embedded Linux	Embedded Linux
Hard Drive Options, Internal	250 GB - 2 TB; 1 TB with optical Linux drive	250 GB - 8 TB	250 GB - 8 TB
Storage Optimization	Partitioning	Partitioning	Partitioning
Hard Drive Options, External	Yes	No	No
Third-party External Storage	Yes	Yes - USB	Yes - USB
Optical Disk Drive	DVD Option	DVDRW	DVDRW
RAID Storage	No	No	No
Alarm Inputs / Relay Outputs	4 / 1	8 or 16 / 2	8 or 16 / 4
Audio Inputs / Outputs	4 / 1	2 / 2	4 / 2
Audio Listen Capabilities	None	Bidirectional, over the network	Bidirectional, over the network
PTZ Control	Coaxitron, RS-422	Coaxitron, RS-422/232	Coaxitron, RS-422/232
Third-party Dome Protocols	Yes	Yes	Yes
Front Panel Controls	Yes	Yes	Yes
Keyboard / Mouse Included	No / yes	No / yes	No / yes
IR Remote Control	Yes	Yes	Yes
Optional Analog KBD Support	No	Yes	Yes
Multicasting	No	No	No
Multilingual Support	Yes	Yes	Yes
System Compatibility	DS ControlPoint, DX Series client	DS ControlPoint, DX Series client	DS ControlPoint, DX Series client
Certification Required	No	No	No
DISPLAY OPTIONS			
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
Digital Zoom Live / Playback	No / no	No / no	No / no
FUNCTION			
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
Optional ATM/POS Support	Via API integration	Via RS232c connect and text overlays; or via API integration	Via RS232c connect and text overlays; or via API integration
Video Analytics	No	No	No
REMOTE CLIENT			
PC Remote Client	Yes	Yes	Yes
View Live	Yes	Yes - V1 SD video only	Yes - V1 SD video only
Playback	Yes	Yes	Yes
Email on Alarm	Yes	Yes	Yes
PTZ Control	Yes	Yes	Yes
Remote Administration	Yes	Third-party	Third-party
Emergency Agent	Yes	Yes	Yes
Web Browser	Live view	Live view, PTZ	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 7, Vista, XP Pro, (with ControlPoint or DX Series client)

Hybrid video recorders

DX hybrid video recorders meet the demands of customers migrating to IP video while leveraging their existing analog video surveillance infrastructure. With support for eight to 32 analog cameras, plus eight IP megapixel cameras (DX4700HD/DX4800HD), and storage from 250 GB to 8 TB, these easy-to-use systems are ready to record out of the box.

	DX4700HD	DX4800HD	DX8100
			
GENERAL			
Analog Camera Inputs	8, 16	8, 16	8, 16, 24, 32
Looping	Yes	Yes	Yes
IP Camera Inputs	Up to 8	Up to 8	Up to 24 or 32 depending on system resources (IP licenses included)
Maximum Record Rate CIF	480 ips NTSC, 400 ips PAL	480 ips NTSC, 400 ips PAL	480 ips NTSC, 400 ips PAL
Maximum Record Rate 2CIF	240 ips NTSC, 200 ips PAL	480 ips NTSC, 400 ips PAL	240 ips NTSC, 200 ips PAL
Maximum Record Rate D1/4CIF	120 ips NTSC, 96 ips PAL (D1)	480 ips NTSC, 400 ips PAL (D1)	120 ips NTSC, 100 ips PAL (4CIF)
Compression Technology	H.264 main profile	H.264 main profile	Pelco
Operating System	Embedded Linux	Embedded Linux	Windows XP Embedded
Hard Drive Options, Internal	250 GB - 8 TB	250 GB - 8 TB	250 GB - 8 TB
Storage Optimization	Disk partitioning	Disk partitioning	None
Hard Drive Options, External	Yes	Yes	Yes
External Storage Options	Yes - 2 USB (1-eSATA)	Yes - 2 USB (1-eSATA)	DX8100HDDI to 24 TB/third-party USB
Optical Disk Drive	DVDRW	DVDRW	DVDRW
RAID Storage	Optional configuration with eSATA	Optional configuration with eSATA	Yes, optional to 24 TB
Alarm Inputs / Relay Outputs	8 or 16 / 2	8 or 16 / 4	8, 16, 24, 32 / 8, 16, 24
Audio Inputs / Outputs	2 / 2	4 / 2	2 Standard 8, 16, 24, 32 optional / 1
Audio Listen Capabilities	Bidirectional, over the network	Bidirectional, over the network	Live over network
PTZ Control	Yes	Yes	Coaxitron, RS-422
Third-party Dome Protocols	Yes	Yes	Yes
Front Panel Controls	Yes	Yes	No
Keyboard / Mouse Included	No / yes	No / yes	Yes / yes
IR Remote Control	Yes	Yes	No
Optional Analog KBD Support	Yes	Yes	Yes
Multicasting	No	No	Yes, Layer 2 with optional network hardware
Multilingual Support	Yes	Yes	Yes
System Compatibility	DX Series client, DS ControlPoint	DX Series client, DS ControlPoint	DX Series client, DS ControlPoint
Certification Required	No	No	No
DISPLAY OPTIONS			
Monitor Outputs	1 Main - VGA or BNC; composite; 1080p	1 Main - VGA or BNC; composite; 1080p	1 Main - VGA; dual display - VGA or BNC; composite BNC - 1 with 8/16; 2 with 24/32
Camera Display	1, 4, 6, 8, 9, 16, 25	1, 4, 6, 8, 9, 16, 25	1, 4, 9, 10, 16, 25, 36, 1+5, 2+8, 1+23
Digital Zoom Live / Playback	No / no	No / no	Yes / yes
FUNCTION			
Alarm, Motion, Continuous, Scheduled Recording Modes	Yes, including ATM/POS	Yes, including ATM/POS	Yes, including ATM/POS
Increased Record Rate on Alarm/Motion ("Bump on Alarm")	Yes	Yes	Yes
Pre-Alarm / Post-Alarm	1 minute / 10 minutes	1 minute / 10 minutes	1 minute standard; 15 minutes with memory upgrade / 1 minute standard; 15 minutes with memory upgrade
Optional ATM/POS Support	Via RS232 connect and text overlays; or via API integration	Via RS232 connect and text overlays; or via API integration	Via RS232 connect and text overlays; or via API integration
REMOTE CLIENT			
PC Remote Client	Yes	Yes	Yes
View Live	Yes	Yes	Yes
Playback	Yes	Yes	Yes
Email on Alarm	Yes	Yes	Yes
PTZ Control	Yes	Yes	Yes
Remote Administration	Yes	Yes	Yes
Emergency Agent	Yes	Yes	Yes
Web Browser	Live view, PTZ	Live view, PTZ	Live view, PTZ
Windows Support	Microsoft® Windows 2000, Windows XP (SP3), Windows Vista®, or Windows 7 and DirectX® 9.1 (or later)	Microsoft Windows 2000, Windows XP (SP3), Windows Vista, or Windows 7 and DirectX 9.1 (or later)	Windows 7, Vista, XP Pro (with ControlPoint or DX Series client)

IP video management solutions

With full-featured DSNVs video management software, a robust DSSRV network video recorder (NVR), analog camera support via optional direct-attached or network video encoders, multi-site monitoring, and support for third-party IP cameras, Digital Sentry is a flexible VMS for mainstream security applications.

DSSRV



GENERAL

Analog Camera Inputs	See ENC5416 for analog camera support for DSSRV
Looping	See ENC5416 for analog camera support for DSSRV
IP Video Inputs	Up to 128*
Maximum Inputs	128*
Number of included IP licenses	8 included; additional license fee may apply
Megapixel Support	Up to 10 Mpx
Compression Technology	H.264, M-JPEG and MPEG-4, depending on IP camera
Operating System	Windows 7 Ultimate
Hard Drive Options, Internal	500 GB, 3, 6, 9, 12, 15, 18 TB (to 12 TB with ODD)
Hard Drive Options, External	SCSI, USB, or NAS
Optical Disk Drive	DVD+/-RW with DSSRV-DVD models
RAID Storage	Optional with RAID5 Controller add-on or RAID5 model
Alarm Inputs / Relay Outputs	See ENC5416 for analog alarms in / relays out
Audio Inputs/Outputs	Supports Sarix IP Audio; See ENC5416 for analog audio recording
PTZ Control	IP and analog supported
Front Panel Display	System status and health diagnostic LEDs
Keyboard / Mouse Included	Yes / yes
Optional KBD Support	Yes (KBD5000 PTZ and screen layout changes only)
Multicasting	No
Multilingual Support	Yes
System Compatibility	DS ControlPoint to DS and DX systems
Certification Required	No

DISPLAY OPTIONS

Monitor Outputs	Based on configuration of client PC; up to 6 monitors with appropriate graphics card
Camera Views	22 layouts, from 1 to 36 cameras
Digital Zoom Live / Playback	Yes / yes

FUNCTION

Alarm, Motion, Continuous, Scheduled Recording Modes	Yes
Increased Record Rate on Alarm/Motion ("Bump on Alarm")	Yes
Pre-Alarm / Post-Alarm	5 minutes / 16 minutes
Optional ATM/POS Support	Through API integration
Video Analytics	Pelco analytics from Sarix based cameras and encoders with DS NVs (DS NVs 7.3.54 or higher)

REMOTE CLIENT

PC Remote Client	Yes
View Live	Yes
Playback	Yes
Email on Alarm	Yes
PTZ Control	Yes
Remote Administration	Yes
Mobile Client	Yes
Emergency Agent	No
Web Browser	No
Windows Support	Windows 7, Windows Vista, Windows Server® 2003/2008
Mobile App	Yes

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



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	4 free; additional connection license fee applies
Base License Fee	None
Annual Maintenance Fees	None
Megapixel Support	Up to 10 Mpx
Maximum # of Clients	Dependent on system resources and bandwidth availability
H.264 Support	✓
MPEG-4 Support	✓
M-JPEG Support	✓
Quick Setup	✓
Export Formats	H.264, MPEG-4, MPEG, JPEG, AVI, native DB
Multiple Viewing Panes via Monitor Tear Off Tabs	✓
Alarm pop-up notifications	✓
Search Tools	Date/time/events/motion/scrub bar/Pelco analytic alarms, thumbnail
Analytics Support	Pelco analytics from Sarix based cameras and encoders with DS NVs 7.3.54 and above
Archive Video Recording	Via archive utility
Third-party Integrations	Via Pelco API
Certification Required	No
Compatibility via ControlPoint	DS systems including legacy DVX Master Control Series, Pelco DX4100, 4500/4600, 4700/4800, 4700HD/4800HD, 8000/8100
Operating Systems	Windows 7, Windows Vista, Windows XP, Server 2003, 2008
Mobile App	Yes

* 128 is the database limitation. Actual number is dependent on hardware specifications and camera settings.

** See Document C1024RN-x "DS Compatibility Release Notes" on www.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.

DSSRV options



ENC5416 analog encoder

GENERAL

Video Resolutions	D1, 2CIF, CIF, QCIF
Frame Rate	D1 480 NTSC / 400 PAL, independently configurable
Alarm Inputs	16 per ENC5416, 64 maximum per DSSRV
Relay Outputs	4 per ENC5416, 16 maximum per DSSRV
Audio Inputs	16 per ENC5416, 64 maximum per DSSRV
Compression Format	H.264 main profile
Analog Output	4 BNC connectors for Spot monitor
PTZ Control Interface	2 RS-422, RS-485
PTZ Protocols	Pelco D and third-party
Rackmount	2 mounting brackets included, connection interface to NVR: direct attached via HDMI cable

Network video encoders

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

NET5400 Encoder



NET5401, NET5402, NET5404

Video Resolutions	4CIF, 2CIF, CIF, QCIF
Frame Rate	25/30 fps at 4CIF maximum, scalable
Motion Detection	Yes
Video Analytics	Yes
Alarm Inputs	3
Relay Outputs	1
Onboard Memory	User-supplied Micro SD
Operating Temperature Range	Minimum of 32 °F (0 °C), maximum 122 °F (50 °C)
Compression Formats	M-JPEG, H.264 (base, main, and high profile)
Data Rate	20 kbit/s – 6 Mbit/s (2 Mbit/s per stream X 3)
Video Streams	3
Audio	Two-way, full or half duplex
Analog Data Formats	No
Analog Output	Looping on single and dual channel
Network Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP
Video Signing at Source	Yes
Web Browser Access	Yes
Open Architecture	Yes, compatible with Pelco API
Users	10 simultaneous, unlimited using Multicast
POE	IEEE 802.3af class 3 on single and dual channel
Power	18-30 VAC, 24 VAC nominal; 0.75 A, 50/60 Hz nominal
Pelco System Compatibility	Endura, DS
Warranty	3 years

Endura



GENERAL

Analog Camera Inputs	Yes, via network video encoders
Looping	Yes, via network video encoders
IP Camera Inputs	Thousands
Compression Technology	MPEG-4 and H.264 (base, main, and high profile)
System Operating System	Linux®
Video Storage	Distributed NAS architecture includes active/active failover support
Storage Optimization	Yes, video frame rate pruning via patented EnduraStor
Third-Party Storage	Optional Fiber channel support for FC SANs
RAID Storage	RAID 6
Alarm Inputs / Relay Outputs	Yes, for supported cameras and encoders*
Audio Inputs / Outputs	Yes, for supported cameras and encoders*
Audio Support	Yes
PTZ Control	Yes, for supported cameras and encoders*
Third-party Dome Protocols	Yes, for supported cameras and encoders*
Optional Analog KBD Support	Yes, KBD300, CM9760-KBD, and KBD5000 (support for VCD5202)
Multicasting	Yes
Multilingual	Yes
3rd Party System Integration	Yes, via Pelco API
Certification Required	Yes

DISPLAY OPTIONS

Monitor Output Support	Hundreds of digital displays via DVI connections from WS5070, VCD5202, NET5402R-HD with built-in monitor wall control
Display Support	1x1, 2x2, 3x3, 4x4, 1+5, 2+8, 1+12, 3x2, 4x3
Digital Zoom Live/Playback	Yes

FUNCTION

Alarm, Motion, Continuous, Scheduled Recording Modes	Yes
Redundant components	Yes
Pre-Alarm / Post-Alarm	1 minute - 999 minutes / 1 minute - 999 minutes
Optional ATM/POS Support	Via 3rd party technology partners
Video Analytics	Yes

REMOTE CLIENT

PC Remote Client	Yes
View Live	Yes
Playback	Yes
Email on Alarm	Yes
PTZ Control	Yes
Remote Administration	Yes
Web Browser	Yes
Mobile Client	Yes

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

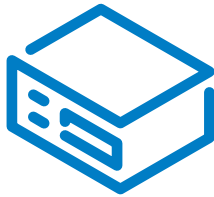
End-to-end video security

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.



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For more information, please visit www.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.

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