





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
				
	SD435-PSG* 35x SE Stainless Steel†	SD4H35* 35x SE Horizon†	S5118* 1.3MP HD (Standard or Environmental†)	S5220* 2.0MP 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 (35x Optical 12x Digital)	F1.4, 3.4 - 119 mm / 420x Zoom (35x Optical 12x Digital)	F1.6, 4.7 - 84.6 mm / 18x Zoom (optical)	F1.6, 4.7-84.6 mm / 18x Zoom (optical)
Field Of View	1.7° to 55.8°	1.7° to 55.8°	3.2° to 55.2°	
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	f/1.6, SNR>28dB; gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF. 4X improvement to sensitivity with Sensitivity Boost ON. Color (33 msec) = 0.65 lux; Color (250 msec)= 0.07 lux; Mono (33 msec)= 0.2 lux; Mono (250 msec)=0.015 lux
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	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 / 16	256 / 400° per sec / 16
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	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 Profile, 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	SIF, VGA, SVGA, 1280x720, 1280x960, 640x512, 640x352, 480x368, 480x272, 320x256, 320x176 / 25 or 30 fps @ 720p, 20 fps @ 960p	SIF, 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
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, 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	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); 22-27 VDC (24VDC); 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