

SR-35 × 140 MS & PTZ-35 × 140 MS

Dual field-of-view, multi-sensor thermal camera systems for medium- to long-range security applications



THE BEST THERMAL SECURITY CAMERAS IN THE BUSINESS

The SR-35 × 140 MS and PTZ-35 × 140 MS are powerful multi-sensor (MS) thermal camera systems for medium- to long-range security applications. In addition to a high-quality TV camera, the fixed SR variant and the pan/tilt/zoom (PTZ) variant each have two thermal imagers: a 35 mm camera for wide-angle surveillance, and a long-range 140 mm camera.

Both 35 × 140 MS camera systems have the performance of military grade imagers at a fraction of the cost. Security operators can field them as portable stand-alone cameras, or integrate them into expansive camera networks.

- See in total darkness, through smoke, dust and light fog
- Detect man-sized threats out to 1.8 miles
- Dual field of view thermal imaging with continuous zoom
- Long-range daylight/lowlight camera
- Fast, precise pan/tilt mechanism
- Simultaneous presentation of telephoto picture within wide-angle picture
- Network ready with IP control and MPEG digital video output
- Pelco D serial control
- Composite video output for use with a broad range of video management and display systems
- Advanced mapping, geo-location, and programmable slew to cue functions available
- High contrast imagery optimized to get the most out of video analytics software to create virtual perimeters
- No need for the expense and complication of added lighting infrastructure
- All-weather construction
- Backed by FLIR™ – the world leader in thermal security cameras



Camera Model	SR-35 x 140 MS	PTZ-35 x 140 MS
Camera Platform Type	Fixed	PTZ Multi-Sensor
THERMAL CAMERA SPECS		
Array Format (NTSC)	Two 320 x 240 imagers	Two 320 x 240 imagers
Detector Type	2 Long-Life, Uncooled VOx Microbolometers	2 Long-Life, Uncooled VOx Microbolometers
Effective Resolution	153,600	153,600
Pixel Pitch	38 µm	38 µm
Field Of View	20° x 15° (35 mm) & 5° x 3.75° (140 mm)	20° x 15° (35 mm) & 5° x 3.75° (140 mm)
Zoom	2 Separate cameras Continuous E-zoom	2 Separate cameras Continuous E-zoom
Spectral Range	7.5 µm to 13.5 µm	7.5 µm to 13.5 µm
Focus Range	21' to ∞	21' to ∞
Frame Rate	NTSC: 30 Hz; PAL 25 Hz	NTSC: 30 Hz; PAL 25 Hz
OUTPUTS		
Composite Video NTSC or PAL	Standard	Standard
Video over Ethernet	Standard	Standard
Control		
Point to point (stand alone)	Standard	Standard
Ethernet	Standard	Standard
Serial	RS-422/Pelco D	RS-422/Pelco D
Network Enabled	Yes	Yes
PAN/TILT PERFORMANCE		
Pan Angle/Speed	-	Continuous 360°, 1° to 120°/sec
Tilt Angle/Speed	-	+/-90°, 1° to 120°/sec
GENERAL		
Weight	15 lb	<45 lb
Dimensions (L,W,H)	9" x 12" x 10"	23" x 15"
Power Requirements	18 - 32 VDC	24 VDC or 24 VAC (+/-10%)
Power Consumption	<12 W nominal, <19 W max., 150 W w/heaters	<50 W nominal, <130 W max., 270 W w/heaters
VISIBLE LIGHT CAMERA		
Sensor Type	Sony FCB-EX980S	Sony FCB-EX980S
Lens Field of View	42° (h) to 1.7° (h)	42° (h) to 1.7° (h)
Focal Length	3.5 mm to 91.0 mm	3.5 mm to 91.0 mm
Zoom	26x Optical Zoom, 12x E-zoom	26x Optical Zoom, 12x E-zoom
F/#	1.6 to 3.8	1.6 to 3.8
Effective pixels (NTSC)	630,000	630,000
	All video outputs compatible with external video analytics. SDK available for all cameras	

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