

# 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**  
**Camera Platform Type** Fixed

**PTZ-35 x 140 MS**  
 PTZ Multi-Sensor

**THERMAL CAMERA SPECS**

<b>Array Format (NTSC)</b>	Two 320 x 240 imagers	Two 320 x 240 imagers
<b>Detector Type</b>	2 Long-Life, Uncooled VOx Microbolometers	2 Long-Life, Uncooled VOx Microbolometers
<b>Effective Resolution</b>	153,600	153,600
<b>Pixel Pitch</b>	38 µm	38 µm
<b>Field Of View</b>	20° x 15° (35 mm) & 5° x 3.75° (140 mm)	20° x 15° (35 mm) & 5° x 3.75° (140 mm)
<b>Zoom</b>	2 Separate cameras Continuous E-zoom	2 Separate cameras Continuous E-zoom
<b>Spectral Range</b>	7.5 µm to 13.5 µm	7.5 µm to 13.5 µm
<b>Focus Range</b>	21' to ∞	21' to ∞
<b>Frame Rate</b>	NTSC: 30 Hz; PAL 25 Hz	NTSC: 30 Hz; PAL 25 Hz

**OUTPUTS**

<b>Composite Video NTSC or PAL</b>	Standard	Standard
<b>Video over Ethernet</b>	Standard	Standard
<b>Control</b>		
<b>Point to point (stand alone)</b>	Standard	Standard
<b>Ethernet</b>	Standard	Standard
<b>Serial</b>	RS-422/Pelco D	RS-422/Pelco D
<b>Network Enabled</b>	Yes	Yes

**PAN/TILT PERFORMANCE**

<b>Pan Angle/Speed</b>	-	Continuous 360°, 1° to 120°/sec
<b>Tilt Angle/Speed</b>	-	+/-90°, 1° to 120°/sec

**GENERAL**

<b>Weight</b>	15 lb	<45 lb
<b>Dimensions (L,W,H)</b>	9" x 12" x 10"	23" x 15"
<b>Power Requirements</b>	18 - 32 VDC	24 VDC or 24 VAC (+/-10%)
<b>Power Consumption</b>	<12 W nominal, <19 W max., 150 W w/heaters	<50 W nominal, <130 W max., 270 W w/heaters

**VISIBLE LIGHT CAMERA**

<b>Sensor Type</b>	Sony FCB-EX980S	Sony FCB-EX980S
<b>Lens Field of View</b>	1/4" Super HAD CCD	1/4" Super HAD CCD
<b>Lens Field of View</b>	42° (h) to 1.7° (h)	42° (h) to 1.7° (h)
<b>Focal Length</b>	3.5 mm to 91.0 mm	3.5 mm to 91.0 mm
<b>Zoom</b>	26x Optical Zoom, 12x E-zoom	26x Optical Zoom, 12x E-zoom
<b>F/#</b>	1.6 to 3.8	1.6 to 3.8
<b>Effective pixels (NTSC)</b>	630,000	630,000

All video outputs compatible with external video analytics. SDK available for all cameras

**SANTA BARBARA**  
**FLIR Systems, Inc.**  
 70 Castilian Dr.  
 Goleta, CA 93117  
 USA  
 PH: + 1 805.964.9797  
 PH: + 1 877.773.3547 (Sales)  
 PH: + 1 888.747.3547 (Apps)  
 FX: + 1 805.685.2711  
 sales@flir.com

**THE NETHERLANDS**  
**FLIR Systems BV**  
 Charles Petitweg 21  
 4847 NW Teteringen - Breda  
 The Netherlands  
 PH: +31 (0) 765.794194  
 FX: +31 (0) 765.794199  
 flir@flir.com

**CORPORATE HEADQUARTERS**  
**FLIR Systems, Inc.**  
 27700 SW Parkway Ave.  
 Wilsonville, OR 97070  
 USA  
 PH: + 1 503.498.3547  
 FX: + 1 503.498.3153

www.flir.com

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