

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

1/4" Super HAD CCD

1/4" Super HAD CCD

Focal Length

42° (h) to 1.7° (h)

42° (h) to 1.7° (h)

Zoom

3.5 mm to 91.0 mm

3.5 mm to 91.0 mm

F/#

26x Optical Zoom, 12x E-zoom

26x Optical Zoom, 12x E-zoom

Effective pixels (NTSC)

1.6 to 3.8

1.6 to 3.8

630,000

630,000

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

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