



PTZ 35x140

Network enabled thermal and visible PTZ security camera

The PTZ 35x140 is a network ready, dual field of view thermal and visible imaging system. It features two thermal imagers; a 35mm wide angle camera for situational awareness, and a long range 140mm camera that can detect a man sized target at 3km. FLIR's cameras provide clear, high contrast imagery in total darkness, through smoke, dust and light fog. The long range daylight/lowlight camera with 26x optical zoom provides target identification when lighting systems permit.

This advanced payload is packaged in a precision pan/tilt enclosure that will slew at up to 120° per second. The system supports stand-alone or network operation with a Nexus® or Pelco D interface.



APPLICATIONS

- PERIMETER SECURITY
- PORT SECURITY
- BORDER SECURITY
- SURVEILLANCE

FEATURES

- ThermoVision
- Dual field of view thermal imager with Foveus
- Long range daylight/lowlight camera
- Standard and MPEG Video
- Network enabled
- Fast, precision pan/tilt slews at 120°/sec
- Advanced mapping, Geo-location, programmable slew to cue
- Rugged Mil-spec enclosure

BENEFITS

- See in total darkness, through smoke, dust and light fog with long range threat detection
- With a 5° and 20° view, see all the action without losing detail
- .2 Lux lowlight camera provides additional target identification when conditions permit
- Supports modern and legacy network installations
- Supports Nexus™ and Pelco D network control
- Easily track fast moving events
- Allows for integration into sophisticated perimeter and portable security systems
- Assures performance in harsh climates





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THERMAL IMAGING PERFORMANCE

Detector type	Focal Plane Array (FPA), Uncooled microbolometer 320 x 240 pixels
Spectral range	7.5 to 13 μ m
Field of view camera 1	20° (H) x 15° (V) with 35 mm lens
Field of view camera 2	5° (H) x 3.75° (V) with 150 mm lens
Thermal sensitivity	65mK max
Image frequency	30 Hz (RS170A), 25 Hz (CCIR) or 7.5Hz (RS170A)
Focus	Automatic or Manual
Electronic zoom	20° to 2° HFOV (Foveal presentation)
Image processing	Digital Detail Enhancement (DDE)

VISUAL

Built-in digital video	FCBEX980S 26x High Telephoto Zoom Color Block Camera (NTSC)
Lines of resolution	Approx. 680,000 pixels (NTSC)
Standard lens performance	26x Zoom, f=3.5mm (wide) to 91.0 mm (tele), F1.6 to F3.8 (NTSC)
Zoom	Tied to thermal camera

PAN-TILT

Az Range	Continuous panning, speed tied to zoom
EI Range	+/-60°
Slew Rate	20°/sec at 20° HFOV. Speed tied to zoom.

IMAGE PRESENTATION

Video output	RS170A thermal and NTSC visible
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POWER

Requirements	24 VDC or 24V AC (+/-10%)
Consumption	<50 W nominal; 130W max; 270W max w/ heaters

ENVIRONMENTAL SPECIFICATION

Operating temperature range	-32°C to +55°C
Storage temperature range	-40°C to 70°C
Automatic Window defrost	When window temperature is below 5°C
Humidity	100% relative humidity salt spray
Sand/dust, vibraton, icing	Mil-Std 810
Encapsulation	IP X6

PHYSICAL CHARACTERISTICS

Camera Weight	45 lb (20.4 kg)
Camera Size	15" diameter by 23" height swept volume

INTERFACES

Nexus	Command & Control via 100BaseT Network
Pelco	Command & Control via Pelco-D over RS422

