



FLIR PATROLIR and PATROLIR PRO

Versatile, low-cost thermal imagers for law enforcement vehicle applications

FLIR's new PATROLIR is a new, low cost, thermal imager engineered for law enforcement vehicle applications. Thermal imaging is a powerful tool in law enforcement because suspects can't hide their heat, and since it's passive, suspects don't know they are being watched. There are three versions of the PATROLIR; a fixed version designed for integration onto existing pan and tilt devices, a pan and tilt version that accommodates 360° surveillance, and the PRO version which includes a powerful lowlight camera for long range surveillance when lighting conditions permit.

Feature

Benefit

• State of the art thermal imaging technology	See suspects and activity in total darkness without revealing your position using the same technology as the US Military
• Requires no illumination	Thermal imaging is a passive technology, so suspects don't know that you can see them
• High sensitivity detector	Reveals subtle temperature differences, making it difficult for suspects to camouflage their heat signature
• 320 x 240 resolution	4x the resolution of most competing systems, with superior range performance and image quality
• Compact panning enclosure	Easily scan a 360° area from the safety of your vehicle
• Fully automatic image optimization	Requires no manipulation or adjustment to get high contrast imagery
• It's all FLIR inside	FLIR's military-quality products are built to endure, and have been patrolling the skies with airborne law enforcement since the 1980's

Applications:

- **Vehicle Based Surveillance**
- **Searches**
- **Security**
- **Patrol**





PATROLIR

Static Version

Pan/Tilt Version

PRO Version

Thermal Imaging Performance

Sensor type	320 x 240 Microbolometer	320 x 240 Microbolometer	320 x 240 Microbolometer
Field of View	35° H x 27° V	35° H x 27° V	14° H x 10° V
Spectral band	7.5 - 13.5 μm	7.5 - 13.5 μm	7.5 - 13.5 μm
Pan-Tilt Azimuth Range	-	+ / - 180°	+ / - 200°, 1-160° /sec
Pan-Tilt Elevation Range	-	+/-45	+ / - 60°, 1-80° /sec
Video	NTSC or PAL Video	NTSC or PAL Video	NTSC or PAL Video
Connector types	BNC at primary cable end	BNC at primary cable end	Proprietary connector

Daylight Imaging Performance

Sensor type	-	-	Sony 980 Block Camera with 1/4 in. CCD
Resolution	-	-	>680,000 (NTSC); >800,000 (PAL) pixels
Optical zoom	-	-	(26x) 42° to 1.6° Continuous
E Zoom	-	-	12x, Continuous

Power

Power Requirements	12 VDC	12 VDC	24 VDC
Power Consumption	3 W nominal, 30 W (max)	5 W nominal, 30 W (max)	<50W nominal at 25 °C
Power Cable Length	15 feet	15 feet	40 feet

Environmental

IP Rating	IP X6	IP X6	IP X6
Operating Temp	-20°C to 55°C	-20°C to 55°C	-32°C to 55°C
Storage Temp	-50°C to 80°C	-50°C to 80°C	-50°C to 80°C

Dimensions and Weight

Dimensions	7.3" x 4.0" x 8" (L x W x H)	7.3" x 4.0" x 10" (L x W x H)	12" D x 9" H
Camera Weight	7 lb	10 lb	<11 lb.

Specifications subject to change

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