



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