



## FLIR PATROLIR and PATROLIR PRO

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

FLIR's new PATROLIR is a new, low cost, compact pan/tilt thermal imager engineered for law enforcement applications. Thermal imaging is a powerful tool in law enforcement because suspects can't hide their heat. The new PATROLIR is ideally suited to vehicle installations with its 360° viewing capability. The PRO version 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	36° h x 27° v	36° h x 27° v	14° h x 11° v
Spectral band	7.5 - 13.5 μm	7.5 - 13.5 μm	7.5 - 13.5 μm
Pan-Tilt Azimuth Range	-	360 Degrees	+ / - 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	-	-	>630,000 (NTSC); >740,000 (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	2 W quiescent, 15 W (max)	2 W quiescent, 15 W (max)	<50W nominal at 25 °C
Power Cable Length	25 feet	25 feet	40 feet

#### Environmental

IP Rating	IP X6	IP X6	IP X6
Operating Temp	-32°C to 55°C	-32°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 7.4" (l x w x h)	12" d x 9"h
Camera Weight	5 lb	7 lb	<10 lb.

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