

Cooled Long Range Thermal Camera

IR627- could be applied to long range surveillance and detection. It provides observation, target acquisition capabilities through smoke, fog and total darkness during day or night time in various climatic and weather conditions.

Features and Benefits

- 320×256 pixels high-resolution, 30 μm cooled FPA technology
- Dual-FOV optics for fast searching and accurate targeting
- RS422 remotely control
- Compact and rugged structure design
- Easy to be integrated into system



Applications

- Search and rescue
- Perimeter security monitoring
- Law enforcement
- Coastal and border surveillance
- Industrial monitoring
- Forest fire prevention



Specifications

Detector	
Detector Material	Cooled FPA microbolometer HgCdTe
Spectral Range	3~5 μ m
Pixels	320×256
Pitch	30 μ m×30 μ m
NETD	≤30mk@25℃
Optics	
Lens	240mm/60mm F4.0 Motorized lens
WFOV	9.1° ×6.9°
NFOV	2.3° ×1.7°
Image Presentation	
Video Output	PAL
Frame Frequency	50Hz
Adjust	Auto/Manual brightness & contrast adjustment
Electronic Zoom	×2
Polarity	B&W, B&W inverse
Interfaces	
Command and Control	RS232
Image Display	RCA/BNC alternative
Power System	
Power Supply	110/220VAC adapter
Power Dissipation	<20W
Environmental Parameters	
Operating Temperature	-20℃~+50℃(-40℃~+60℃ optional)
Storage Temperature	-40℃~+60℃
Physical Characteristics	
Color	Black
Size	327mm×228mm×293mm
Weight	11.5kg
Detection Range	NFOV 2.3m vehicle>8km
Recognition Range	NFOV 2.3m vehicle>4.5km