GUIDE

Continuous-focusing
Surveillance Thermal Viewer

With the unique continuous optical zoom capability, IR320M allows for fast target recognization, situational awareness and long range detection in one system. The intelligent program offers various enhancement on the image performance like sky-ground mode, electronic image stablization etc. The rugged and sealed design allows operation in any harsh environment. IR320M is a ideal choice for long range coastal & border surveillance and any security monitoring missions.

Features and Benefits

- 320×256 pixels high-resolution, 30μm cooled FPA technology

- Continuous-focusing optics for fast searching and accurate targeting

- Compact & rugged design

- Powerful function and high reliability

- Easy operation

- 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	3~5μm
Pixels	320×256
Pitch	30μm×30μm
NETD	≤30mk@25℃

Optics

Lens	320mm~27mm F2 Motorized lens
FOV	1.72° ×1.38° ~20.16° ×16.19° Continuous focus

Image Presentation

Video Output	PAL
Frame Frequency	50Hz
Adjust	Auto/Manual brightness & contrast adjustment
Polarity	B&W, B&W inverse

Interfaces

Command and Control	RS422
Video Output	RCA/BNC alternative

Power System

Power Supply	24V DC, by 110/220VAC adapter
Power Dissipation	≤30W

Environmental Parameters

Operating Temperature	-20℃~+50℃(-40℃~+60℃ optional)
Storage Temperature	-40℃~+60℃

Physical Characteristics

Color	Black
Weight	320mm×192mm×254mm
Size	8kg
Detection Range	2.3m vehicle＞12km
Recognition Range	2.3m vehicle＞5km

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