

## Cooled Long Range Thermal Camera

*IR600 delivers unmatched detection range performance and image quality. It achieves the mission of fast situational awareness and target recognition with the wonderful wide, medium and narrow Field of view in one system. The intelligent program offers various enhancement on the image performance like sky-ground mode, electronic image stabilization etc. The rugged and sealed design allows operation in any harsh environment. IR600 is a best choice for long range coastal & border surveillance and any security monitoring missions.*

### Features and Benefits

- 320×256 pixels high-resolution, 30 μ m cooled FPA technology
- 600mm lens ensures extremely long-range detection
- Three fields of view optics satisfies multi-mission
- Minimized size with folding optical system
- Sky & ground enhancement mode ensures high quality image
- Hermetically sealed housing
- 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	3~5 $\mu$ m
Pixels	320 $\times$ 256
Pitch	30 $\mu$ m $\times$ 30 $\mu$ m
NETD	$\leq$ 30mk @ 25 $^{\circ}$ C
Optics	
Lens	600mm/150mm/22mm/F4 Motorized lens
WFOV	24.6 $^{\circ}$ $\times$ 19.8 $^{\circ}$
MFOV	3.67 $^{\circ}$ $\times$ 2.93 $^{\circ}$
NFOV	0.92 $^{\circ}$ $\times$ 0.73 $^{\circ}$
Image Presentation	
Video Output	PAL
Frame Frequency	50Hz
Adjust	Auto/Manual brightness & contrast adjustment
Electronic Zoom	$\times$ 2
Polarity	B&W, B&W
Interfaces	
Command and Control	RS422
Video Output	RCA/BNC alternative
Power System	
Power Supply	24V DC, by 110/220VAC adapter
Power Dissipation	$\leq$ 29W
Environmental Parameters	
Operating Temperature	-20 $^{\circ}$ C ~ +50 $^{\circ}$ C (-40 $^{\circ}$ C ~ +60 $^{\circ}$ C optional)
Storage Temperature	-40 $^{\circ}$ C ~ +60 $^{\circ}$ C
Physical Characteristics	
Color	Black
Weight	14.2kg
Size	320mm $\times$ 192mm $\times$ 254mm
Detection Range	2.3m vehicle > 15km
Recognition Range	2.3m vehicle > 8km