

AresX™ Infrared Thermal Imaging

Border & Coastal Defense Intelligent Photoelectric System



AresX™ Non-cooled vanadium oxide focal plane array detector makes the image more clear and detailed. It integrates a number functions such as target observation, battlefield surveillance, automatic warning, remote control and fire strike. High-precision motor drive and precision angle encoder servo enable detection, automatic identification, automatic tracking, automatic warning for moving targets.

The high-strength aluminum alloy casing makes the thermal imager withstand sea water corrosion, scale 12 wind and other harsh environments.

SPECIFICATION

MODEL	CT-S4	
Detector	Detector Type	Uncooled focal plane array
	Resolution	640 * 480
	Pixel Size	17μm
	NETD	≤ 50mk
	Wavelength Band	8 - 14 μm
Lens	Focal Length	30 - 150 mm continuous zooming
	F#	1.0
	Field Angle	4.1° * 3.2° - 20.6° * 15.5°
	Zoom	Power-driven)
Images	Frame Frequency	≥ 50Hz
	Video Output	PAL
	Image Polarity	Black hot/White hot
	Electronic Zoom	x 2
	Communication Interface	RS485/RS422
	Image Display	External monitor
Power Supply	Power Source	AC220V ± 20%
	Power Consumption	200W
Physical Characteristics	Protection Class	IP66
	Weight	100kgs
	Size	605 * 605 * 1157mm

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MODEL	CT-C3	
Physical Characteristics	Operating Temperature	-30°C ~ 60°C
	Storage Temperature	-45°C ~ 65°C
Operating Distance	Detecting Distance	4.8km for vehicles; 3.6km for humans
	Identification Distance	2.5km for vehicles; 2km for humans
	Horizontal	0°-360°, 0.1°-45°/s
	Vertical	± 45°, 0.1°-30°/s