TC320MW|TC640MW

Mid-wave Cooled Thermal Imaging Cores

TC320MW|TC640MW are mid-wave cooled thermal imaging cores with SOFRADIR detectors which can be easily integrated into infrared systems that require extremely long distance detection and adaption to any harsh environment.

Features

Cooled HgCdTe detector

Continuous optical zooming, triple view, multiple lenses are optional

Formidable image processing ability

Multiple interfaces, easy integration

Compact design, high level of integration

Applications

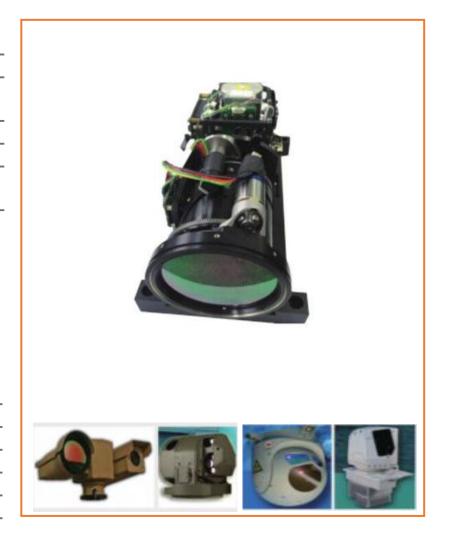
Border and coastal surveillance

Fire control system of armed vehicles

Airborne infrared warning system

Airborne electro-optical pod

Shipborne electro-optical pod



Technical Specifications

Image Performance Correcting Image enhancement Image mirroring	F2. m duel FOV lens, 25/80/320 triple FOV lens, 15mm zoom lens, 30mm~660m Manual correction, b	640×512 15µm fum mK 66.5°×29.2° ntinuous zoom lens 7F4 n~250mm continuous zoom lens, 21mm~420mm continuous am continuous zoom lens	
Type IR resolution Pixel pitch Spectral range NETD/Sensitivity Lens Data FOV Focal distance F/# Lens(Optional) Image Performance Correcting Image enhancement Image mirroring	320×256 30μm 3~5 18i 1.7°×1.4°~3 15mm~330mm cor F2. m duel FOV lens, 25/80/320 triple FOV lens, 15mm zoom lens, 30mm~660m Manual correction, b	15μm fum mK 36.5°×29.2° ntinuous zoom lens 7F4 n~250mm continuous zoom lens, 21mm~420mm continuous am continuous zoom lens	
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Image Performance Correcting Image enhancement Image mirroring	zoom lens, 30mm~660m Manual correction, b	im continuous zoom lens	
Image Performance Correcting Image enhancement Image mirroring	Manual correction, b		
Correcting Image enhancement Image mirroring		ackground correction	
Image enhancement Image mirroring		ackground correction	
Image mirroring	Auto image F	Manual correction, background correction	
	Auto image Filtering, DDE		
· · · · · · · · · · · · · · · · · · ·	Vertical, horizontal		
Frequency	200Hz	100Hz	
Zoom	2x	2x、4x	
Polarity/LUT mode	Black hot/White hot		
Cross display	Yes		
Interface			
Control port	RS232	/RS422	
Analog video output	PAL		
Digital video output	CameraLink		
Power System			
Working voltage	DC: +24V~+32V		
Power consumption	<12W@25˚ℂ (standard)		
. Site consumption	<24W@25˚C(max)		
Cooling time	≤8min		
Environmental Parameters			
Operating temperature range	-40 °C~+60 °C		
Storage temperature range	-40 ℃~+70℃		
Humidity	5%~95% (non-condense)		
Shock	20g shock pulse with 6ms half sine		
Vibration	1.5g 5-200Hz sine		
Physical Data			
Size	160mm×92mm×86mm(without lens)		
Weight	≤2.47kg(with 330mm lens)		