

TC320LW

Long-wave Cooled Thermal Imaging Core

TC320LW is long-wave thermal imaging core with SOFRADIR detectors which can be applied to land equipments particularly, border&coastal surveillance, fire control system and monitoring for command vehicle etc.

Features

- Cooled HgCdTe detector
- Continuous zooming, triple view, dual views lenses and no lens are optional
- Formidable image processing ability
- Multiple interfaces, easy integration
- Compact design, high level of integration



Applications

- Particularly applicable to land equipments
- Border and costal surveillance
- Fire control system
- Monitoring for command vehicle

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Technical Specifications

Item	TC320LW
Detector Data	
Type	Long-wave cooled FPA,MCT
IR resolution	320×256
Pixel pitch	30μm
Spectral range	7.7~9.5μm
NETD/Sensitivity	≤25mK
Lens Data	
Focal distance	25mm~320mm continuous zoom lens
FOV	21.8°×17.5°~1.72°×1.38°
F/#	4
Lens(optional)	Customizable
Image Performance	
Image enhancement	Auto image filtering, DDE
Amplification	2X
Polarity/LUT mode	Black hot/White hot
Image gain	Auto/Manual
Auto focus	Support
Interface	
Control port	RS422/RS232
Analog video output	PAL
Digital video output	LVDS/CameraLink
Power System	
Working voltage	+24V~+32V(power protection)
Power consumption	<12W@25°C(standard)
	<24W@25°C(max)
Cooling time	≤6min(normal temperature)
Environment Parameters	
Operating temperature range	-40°C~+60°C
Storage temperature range	-40°C~+65°C
Humidity	5%~95%, (non-condense)
Shock	1/2 Sine, 30g, 11ms, 3 shocks per axis
Vibration	3 axes, 30min/axis, 2.1g rms, 10-500Hz
Physical data	
Size(L x W x H)	215.5mm×168.6mm×94mm(with lens)
Weight	3.55kg(with lens)