

Continuous Zoom Cooled IR Thermal Imager

IR640/30-660mm



It adopts high sensitivity MCT MW core with resolution 640*512 , HD image with clear details, while having low distortion and high optic-axis accuracy.

Alternative lens and interfaces as well as OEM service are available.

Technical Specification

Model No.	
Detector	Cooled MCT MW FPA
Resolution	640*512
Working Band	3.7μm-4.8μm
Pixel Pitch	15μm
Cooling Mode	Stirling

Lens

Focal Length	30mm-660mm continuous zoom
F Number	4
HFOV	0.9°*0.7°-18.2°*14.6°
Entire Zooming Optic-axis Stability	≤ 10 pixels
Optic-axis Accuracy	≤ 3 pixels
Focus Range	5m-∞
Entire AF Time	≤3.5S
Entire Zooming Time	≤10S
Distortion	≤4%

Performance

Cooling Time	≤ 7 mins at +25°C
Video Output	Standard PAL Analog and Cameralink video signal
Frame Rate	50Hz
NETD	≤25mk@+25°C
Power Supply	DC24~32V (Input Polarity Protection)
Power Consumption	Standard: ≤15W@+25°C Peak: ≤30W@+25°C
Operating Temperature	-40°C ~ +60°C
Storage Temperature	-40°C ~ +70°C

Command And Control

Interface	RS232/RS422
Correction	Manual and Background Correction
Polarity	Hot Heat/Black Heat
Digital Zoom	1x ~ 8x continuous zoom
Image Enhancement	DDE and IDE
Image Filtering	3D Digital Filtering
Crosshair Display	Customized division lines are available
Image Flip	Vertical and Horizontal
Weight	≤4300g
Dimension	Φ188*342mm

Lens Option

F4.0, continuous zoom, 25-460mm, 30-660mm, 40-825mm