

UC640-24 Uncooled Thermal Module



The UC640-24 core is thermal imaging module based on a VOx detector.

With the advantage of small size, light weight; multifunctional, easy to extend; standard interface, the system is stable and reliable, easy for further integration and development.

Profile

- Uncooled LWIR 640x480 detector
- Industrial mounting structure
- Various lenses optional
- Standard CCIR PAL video
- Compact, light, small
- High performance-price ratio



UC640-24 Uncooled Thermal Module Technical Specification:

Performance	
Detector	Uncooled VOx FPA
Resolution	640x480
Wavelength	8-14μm
Pixel size	17μm
NETD	≤45mK@30°C, #F1.0
Focus	Fix/Zoom lens optional
Imaging	
Format	PAL/NTSC optional
UNC	Standard Shutter
Enhance	IIE
Adjust	Auto or manual
Interface & Electronic	
Power	DC 3-5.5V
Video	Combine Video Output
Digital	LVDS or CameraLink
Communication	RS232
Control	Keyboard & Decoder
Consumption	≤1.7W (steady)

Environment	
Operation Temp.	-40°C to +60°C
Storage Temp.	-50°C to +70°C
Humidity	95% Non-condensing
IP rate	Upon demands
Physical	
Weight	≤50g (no lens)
Size	24x24x33mm (no lens)
Optional	
Lenses	19mm, 19° x 14°
	25mm, 14° x 10°
	75mm, 4.8° x 3.6°
	OEM available
DRI (Man, 1.7m)	
19mm	600m
25mm	800m
75mm	2000m