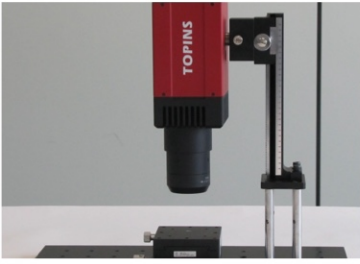
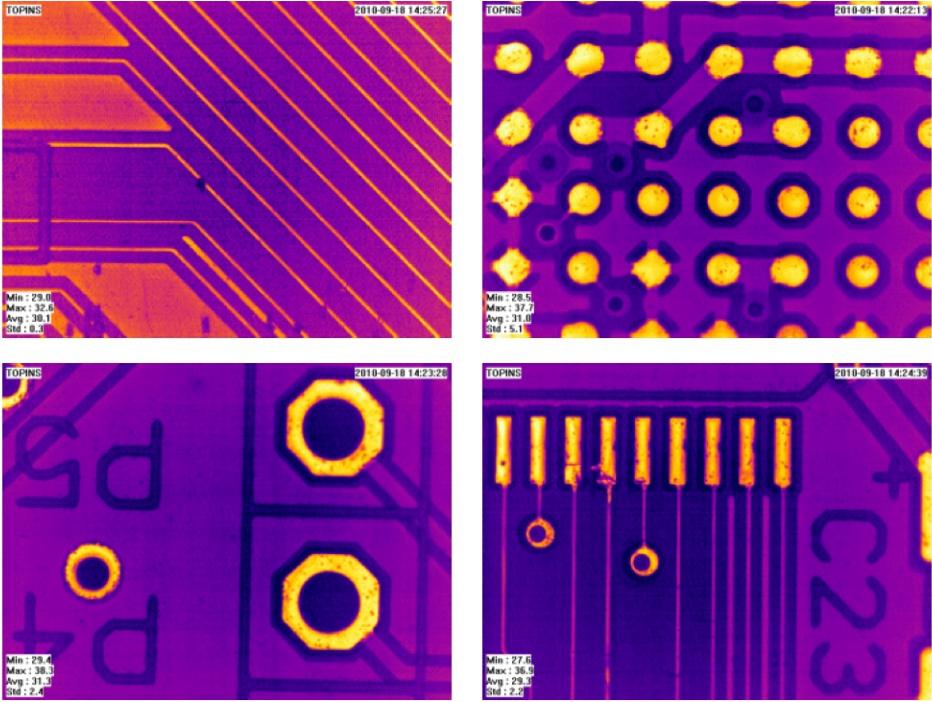


# TICA-L640

## Thermal Imaging Microscope Lens Module



LWIR microscope system including the TICA-L640 lens module, LWIR camera module and high-grade adjustable microscope stand.



**Spatial Resolution: 10  $\mu\text{m}$**   
**Pixel Number: 640 x 480**

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### ■ Optical

Classification	Value	Remarks
Focal Length	23.97 mm	Nominal value at 20°C
Focus Range	18 mm, fixed	Working Distance
F/#	1.2	
Average Transmission (7.5~13.0 $\mu\text{m}$ )	85 %	including objective lens DLC coating
Field of View : Object Size	6.40 mm x 4.80 mm	640 x 480 pixels, 17 $\mu\text{m}$ pitch
Resolution	~ 10 $\mu\text{m}$	640 x 480 pixels, 17 $\mu\text{m}$ pitch
Back Focal Distance	12 mm	Including Window Thickness 1 mm

### ■ Mechanical (Lens Module)

Classification	Value	Remarks
Interface Control Drawing (ICD)	Drawing TICA-L640_F1_2	
Dimensions	50.0 x 50.0 x 100.0 mm	

### ■ Environmental (Optics)

Classification	Value	Remarks
Operating Temperature	-35°C to +55°C	Athermalization Temperature
Storage Temperature	-40°C to +85°C	
External Coating	High durability	