

Thermal Imaging Microscope(TICA-MO10)

Application: Measurement of Thermal Distribution for Small Device

■ Optical

Classification	Value	Remarks
Focal Length	60.2 mm	Nominal value at 20°C
Focus Range	12 mm, fixed	
F/#	1.2	
Average Transmission (7.5~13.0 μm)	85 %	including objective lens DLC coating
Field of View : Object Size	6.82 mm x 5.12 mm	320 x 240 pixels, 25 μm pitch
	6.4 mm x 4.8 mm	320 x 240 pixels, 23.5 μm pitch
Resolution	21.3 μm	320 x 240 pixels, 25 μm pitch
	20.0 μm	320 x 240 pixels, 23.5 μm pitch
Back Focal Distance	17.9 mm	Including Window Thickness 1 mm

■ Mechanical(Microscope Lens Module)

Classification	Value	Remarks
Interface Control Drawing (ICD)	Drawing #IRSC_No5_F1_2	
Dimensions	44 x 44 x 75.1 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	



Spatial Resolution: 20 μm

Pixel Number: 320 x 240

