

FOTRIC TP320A Datasheet

■ Specifications

Basic parameters	
Infrared Resolution	320*240
Detector Type	Uncooled Infrared Focal Plane Detector
Thermal Sensitivity (NETD)	<35mK@30°C
Pixel Pitch	12μm
Spectral Response Range	8~14μm
Image Frame Rate	25Hz
Field of View (FOV)	60°*45°
Minimum Imaging Distance	0.2m
Focal length	4mm
Aperture Number	F1.0
Focusing Method	Focus-free
Measurement and analysis	
Temperature Measurement Range	-20~550°C
Temperature Span	-20~150°C□50~550°C
Temperature Measurement Accuracy	±2°C or 2%□whichever is larger(15°C~35 °C ambient temperature□target temperature >0 °C□calibrated at 1m distance.)
Temperature Measurement Spot	3
Temperature Measurement Line	3
Temperature Measurement Box	3
Image display	
Image mode	Thermal Image, Thermal Image + Visible Light
Palette	Supports 10 color palettes: Iron, Grey, Rainbow, Rain, Medical, GreyRed, GlowBow, MidGrey, MidGreen, Prism
Data connectivity	
USB interface	USB Type-C, compliant with USB 2.0 standard
Power system	
Typical Power Consumption	0.5W
Reliability and certification	
Protection rating	IP40 (GB/T 4208 / IEC 60529)
Drop resistance	Designed for 1-meter drop resistance
Physical parameters	
Operating temperature	-20~50°C
Storage temperature	-40~70°C
Relative humidity	<95%RH
Dimensions	71mm*33mm*16mm
Weight	40g
Warranty and maintenance	
Warranty period	1-year warranty for the whole unit
Compatible Systems	

Compatible Systems	Android 12+
Compatible Software	
Compatible Software	Support updates from Google Play Store
Standard product configuration	
Standard configuration	Main unit ×1 □ USB Type-C Male-to-Female Cable □ USB Type-C Male-to-Female Extension Cable □ USB Type-C Female-to-Female Straight Coupler □ Quick start guide □ Handle Tripod □ Extension Rod □ Magnetic base □ Ball Head Mount*2 □ Magnetic Base □ Phone holder □ Double-Ended 1/4" Screw Adapter*2 □ Carrying Bag

■ Lens

Lens	Lens Parameters				
	Field of View (FOV)	Spatial Resolution (IFOV)	Minimum Imaging Distance	Focal length	Temperature Span
L60	60°*45°	3.27mrad	0.2m	4mm	-20~150°C □ 50~550°C □ calibrated at 1m distance □

■ Available Models

A262352-B002 FOTRIC TP320A-L60

* For additional configurations, please contact us directly.

■ Accessories

