

FOTRIC TD2eGeek Datasheet

■ Specifications

Basic parameters	
Microphone channels	64
Digital camera	5MP industrial-grade digital camera
Acoustic image field of view (FOV)	58°*45°
Sound pressure sensitivity	0.01L/min@0.1MPa□1.5m□φ30μm orifice 0.025L/min@0.3MPa□3.5m□φ30μm orifice 0.045L/min@0.3MPa□4.5m□φ40μm orifice
Measured sound pressure range	10kHz□14~120dB SPL 15kHz□9~120dB SPL 20kHz□0~120dB SPL 25kHz□4~120dB SPL 30kHz□-1~120dB SPL 35kHz□-6~120dB SPL 40kHz□-3~120dB SPL 45kHz□-2~120dB SPL 50kHz□3~120dB SPL 55kHz□5~120dB SPL 60kHz□6~120dB SPL 65kHz□6~120dB SPL 70kHz□3~120dB SPL 75kHz□5~120dB SPL
Sound sampling rate	200kHz
Acoustic refresh rate	15Hz
Working distance	0.3~60m
Measurement and analysis	
Positioning frequency range	2~100kHz
Frequency range selection	Supports selecting frequency ranges for different scenarios Supports manual adjustment of the frequency range
Image display	
Image mode	Single-source, Multi-source, All-source
Data connectivity	
USB interface	USB Type-C, compliant with USB 2.0 standard
Power system	
Battery type	3.6V, 3200mAh rechargeable lithium battery
Battery operating time	Continuous operating time ≥ 4 hours
Charging method	Supports direct charging via USB Type-C interface
Charging time	1 hour to charge to 75% capacity
Reliability and certification	
Safety standards	GB 4793.1/EN 61010-1
Electromagnetic compatibility	GB/T 18268.1/EN IEC 61326-1
Protection rating	IP40 (GB/T 4208 / IEC 60529)
Drop resistance	Designed for 1-meter drop resistance
Shock resistance	25g(GB/T 2423.5/IEC 60068-2-27)
Vibration resistance	2g(GB/T 2423.10/IEC 60068-2-6)
RoHS Directive	Compliant

Physical parameters	
Operating temperature	-10~50°C
Storage temperature	-20~60°C
Relative humidity	<95%RH
Dimensions	101mm*77mm*22mm
Weight	200g
Housing material	Aluminum Alloy
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 to USB Type-C cable □ Quick start guide □ Magnetic base □ Color box □ Carrying Bag
Package Parameters	
Package Type	Packaging Box
Package Size	165mm*154mm*108mm
Package Weight	620g

■ Lens

■ Available Models

A262422-B001 FOTRIC TD2eGeek

* For additional configurations, please contact us directly.

■ Accessories

