

## Product Datasheet - Technical Specifications



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# 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<br>0.025L/min@0.3MPa□3.5m□φ30μm orifice<br>0.045L/min@0.3MPa□4.5m□φ40μm orifice                                                                                                                                                                                     |
| Measured sound pressure range      | 10kHz□14~120dB SPL<br>15kHz□9~120dB SPL<br>20kHz□0~120dB SPL<br>25kHz□4~120dB SPL<br>30kHz□-1~120dB SPL<br>35kHz□-6~120dB SPL<br>40kHz□-3~120dB SPL<br>45kHz□-2~120dB SPL<br>50kHz□3~120dB SPL<br>55kHz□5~120dB SPL<br>60kHz□6~120dB SPL<br>65kHz□6~120dB SPL<br>70kHz□3~120dB SPL<br>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<br>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