

# Fotric P7MiX Datasheet

## ■ Specifications

| Thermal Image Basic Parameters     |                                                                                                                                                                                                                                                                                                            |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Infrared Resolution                | 640*480                                                                                                                                                                                                                                                                                                    |
| Super Resolution (SR)              | Enhanced to 1280*960                                                                                                                                                                                                                                                                                       |
| Detector Type                      | Uncooled Infrared Focal Plane Detector                                                                                                                                                                                                                                                                     |
| Thermal Sensitivity (NETD)         | <30mK@30°C                                                                                                                                                                                                                                                                                                 |
| Pixel Pitch                        | 17μm                                                                                                                                                                                                                                                                                                       |
| Spectral Response Range            | 8~14μm                                                                                                                                                                                                                                                                                                     |
| Image Frame Rate                   | 30Hz                                                                                                                                                                                                                                                                                                       |
| Field of View (FOV)                | 25°*19°                                                                                                                                                                                                                                                                                                    |
| Spatial Resolution (IFOV)          | 0.68mrad                                                                                                                                                                                                                                                                                                   |
| Minimum Imaging Distance           | 0.25m                                                                                                                                                                                                                                                                                                      |
| Focal length                       | 25mm                                                                                                                                                                                                                                                                                                       |
| Focusing Method                    | Autofocus, manual focus.                                                                                                                                                                                                                                                                                   |
| Lens Recognition                   | Automatic recognition.                                                                                                                                                                                                                                                                                     |
| Optional Lens                      | Refer to "Lens Parameters"                                                                                                                                                                                                                                                                                 |
| Acoustic Image Basic Parameters    |                                                                                                                                                                                                                                                                                                            |
| Microphone channels                | 162 MEMS digital microphones                                                                                                                                                                                                                                                                               |
| Acoustic image field of view (FOV) | 66° * 52°                                                                                                                                                                                                                                                                                                  |
| Sound pressure sensitivity         | 0.01 L/min @ 0.1 MPa, 1.5 m, φ30 μm orifice<br>0.025 L/min @ 0.3 MPa, 6.5 m, φ30 μm orifice<br>0.045 L/min @ 0.3 MPa, 7.5 m, φ40 μm orifice                                                                                                                                                                |
| Measured sound pressure range      | 10kHz:6~120dB SPL<br>15kHz:-3~120dB SPL<br>20kHz:-7~120dB SPL<br>25kHz:-13~120dB SPL<br>30kHz:-4~120dB SPL<br>35kHz:8~120dB SPL<br>40kHz:2~120dB SPL<br>45kHz:-2~120dB SPL<br>50kHz:-5~120dB SPL<br>55kHz:-2~120dB SPL<br>60kHz:3~120dB SPL<br>65kHz:2~120dB SPL<br>70kHz:8~120dB SPL<br>75kHz:7~120dB SPL |
| Sound sampling rate                | 200kHz                                                                                                                                                                                                                                                                                                     |
| Acoustic refresh rate              | 25Hz                                                                                                                                                                                                                                                                                                       |
| Working distance                   | 0.3–100m                                                                                                                                                                                                                                                                                                   |
| Thermal Image Measurement Analysis |                                                                                                                                                                                                                                                                                                            |
| Temperature Measurement Range      | -20~650°C                                                                                                                                                                                                                                                                                                  |
| Temperature Span                   | -20~120°C, 0~650°C, intelligent range                                                                                                                                                                                                                                                                      |
| Temperature Range Extension        | Supports -40°C low-temperature extension, supports 2000°C high-temperature extension                                                                                                                                                                                                                       |
| Temperature Measurement Accuracy   | Low temperature range, target temperature between 0~100°C, ±1°C; others, ±2°C or 2%, whichever is greater                                                                                                                                                                                                  |

|                                            |                                                                                                                                                                                                               |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature Measurement Spot               | 18                                                                                                                                                                                                            |
| Temperature Measurement Line               | 15                                                                                                                                                                                                            |
| Temperature Measurement Box                | 18                                                                                                                                                                                                            |
| Line Temperature Distribution              | Support viewing line temperature distribution chart.                                                                                                                                                          |
| Global Temperature Correction              | Support temperature measurement parameter correction: emissivity, ambient temperature, reflected temperature, relative humidity, target distance, infrared window parameters(temperature and transmittance) . |
| Local Parameters                           | Support emissivity correction for temperature measurement areas.                                                                                                                                              |
| Area Alarm                                 | Supports high/low temperature alarms for max/min temperature in measurement areas                                                                                                                             |
| Temperature Rise Function                  | Reference temperature can be the highest, lowest, average, or custom temperature in the measurement area                                                                                                      |
| On-device Analysis                         | The device is capable of directly analyzing thermal images and full radiometric videos                                                                                                                        |
| Analysis software                          | AnalyzIR professional thermal imaging and acoustic imaging analysis software                                                                                                                                  |
| <b>Acoustic Image Measurement Analysis</b> |                                                                                                                                                                                                               |
| Positioning frequency range                | 2–100kHz                                                                                                                                                                                                      |
| Frequency range selection                  | Support pre-configured frequency ranges for different scenarios, and selection of appropriate frequency range afterward<br>Support manual adjustment of frequency bands                                       |
| Measurement Spot                           | 2                                                                                                                                                                                                             |
| Measurement Area                           | 2                                                                                                                                                                                                             |
| Detection mode                             | Leak mode: displays leak level on the device<br>Partial discharge mode: displays PRPD graph on the device, compatible with different AC frequencies (50/60Hz)                                                 |
| Acoustic focusing                          | Shield surrounding areas, focus only on the area of interest for the acoustic image                                                                                                                           |
| On-device Analysis                         | The device is capable of directly analyzing acoustic images and holographic acoustic videos                                                                                                                   |
| Analysis software                          | AnalyzIR professional thermal imaging and acoustic imaging analysis software                                                                                                                                  |
| Leak evaluation                            | Automatically identify leak points and evaluate leakage volume and annual energy cost                                                                                                                         |
| Partial discharge diagnosis                | Automatically diagnose surface discharge, floating discharge, corona discharge, and their severity                                                                                                            |
| <b>Image display</b>                       |                                                                                                                                                                                                               |
| Display screen                             | 5-inch, 1280*720 pixels, IPS LCD touch display with Gorilla Glass explosion-proof cover                                                                                                                       |
| <b>Thermal Image Display</b>               |                                                                                                                                                                                                               |
| MiX Mode                                   | Simultaneous display of thermal and acoustic images.                                                                                                                                                          |
| Image mode                                 | Blend(T-DEF®) mode, and Picture-in-Picture mode, digital camera;<br>Blend(T-DEF®) mode and Picture-in-Picture mode is only available with alignable lens;                                                     |
| Blend Mode(T-DEF®)                         | Adjustable infrared image transparency from 0% to 100% in blend mode.                                                                                                                                         |

|                                                 |                                                                                                                                                                                                                                              |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Picture-in-Picture                              | Overlay a movable and resizable thermal image on the visible light image                                                                                                                                                                     |
| Palette                                         | Supports 16 color palettes:<br>Iron, Grey, Iron10, Rainbow, Grey10, GreyRed, MidGrey, Yellow, Rain, Rain10, Blue, GlowBow, Medical, MidGreen, Prism, Medical10<br>Supports real-time preview and switching of color palettes                 |
| Inverted Palette                                | Support inverted palettes.                                                                                                                                                                                                                   |
| Span Mode                                       | Supports automatic adjustment of temperature span<br>Supports manual adjustment of temperature span (minimum 2°C)<br>Supports touch adjustment of temperature span (minimum 2°C)                                                             |
| Color Alarm                                     | Supports color alarms for above, below, and between temperatures                                                                                                                                                                             |
| Image overlay information                       | Display global maximum temperature, minimum temperature, ROI maximum temperature, minimum temperature, average temperature, emissivity, temperature measurement parameters, lens, compass information, as well as date and time information. |
| High/Low Temperature Tracking                   | Automatically tracks the highest and lowest temperature points within a marked measurement area                                                                                                                                              |
| Image Detail Enhancement (IREdge)               | Supports IREdge infrared image contour enhancement                                                                                                                                                                                           |
| Normalized Histogram Color Distribution(T-TWB®) | Optimize display of images with large dynamic range to show more details                                                                                                                                                                     |
| Digital zoom                                    | 1~16x continuous zoom                                                                                                                                                                                                                        |
| <b>Acoust Image Display</b>                     |                                                                                                                                                                                                                                              |
| Signal Source Mode                              | Single sound source, multiple sound sources, holographic modes                                                                                                                                                                               |
| Single sound source                             | Overlay the acoustic image of the strongest sound pressure region on the visible light image                                                                                                                                                 |
| Multiple sound sources                          | Overlay the acoustic images of multiple strong sound pressure regions on the visible light image                                                                                                                                             |
| Holography                                      | Adjust the sound pressure threshold and overlay the acoustic image of areas above the threshold on the visible light image                                                                                                                   |
| Palette                                         | Support 3 color palettes:<br>Red-Blue, Iron, Grey<br>Supports transparency adjustment                                                                                                                                                        |
| Black-and-white background                      | Visible light image displayed in black-and-white grayscale                                                                                                                                                                                   |
| Image overlay information                       | Displays leakage level and evaluation result, PRPD spectrum and partial discharge diagnosis result, measurement parameters (AC frequency, sound source type, target distance), compass information, and date and time information            |
| Sound pressure tracking                         | Automatically track the maximum sound pressure with special marking                                                                                                                                                                          |
| Acoustic image delay (T-FFTD®)                  | Capture instantaneous sound signals and allow them to remain longer in the real-time acoustic image                                                                                                                                          |
| Digital zoom                                    | 1–10x continuous zoom                                                                                                                                                                                                                        |
| <b>Imaging function</b>                         |                                                                                                                                                                                                                                              |
| Digital camera                                  | Digital camera next to infrared camera: 5 million pixels, industrial-grade digital camera.<br>Digital camera on acoustic camera: 13 million pixels, industrial-grade digital camera.                                                         |
| Storage card                                    | SD card, hot-swappable, supports up to 1TB                                                                                                                                                                                                   |

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Single-frame capture                       | <p>In thermal image mode, blend(T-DEF®) mode, and Picture-in-Picture mode: the image is saved as an analyzable thermal image;</p> <p>The image is saved as a digital camera image in digital camera mode;</p> <p>When the lens is recognized as an alignable lens, the thermal image in thermal image mode, blend (T-DEF®) mode, and picture-in-picture mode includes a aligned digital camera image;</p> <p>In single sound source, multiple sound source, and hologram modes, the image is saved as an analyzable acoustic image.</p> |
| Panorama                                   | In thermal image mode, save multiple thermal images as a single panoramic thermal image for analysis                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Radiometric Video Recording                | <p>Support for recording analyzable radiometric videos in thermal image mode</p> <p>Radiometric video recording is not supported in MiX mode</p>                                                                                                                                                                                                                                                                                                                                                                                        |
| Holographic Acoustic Image Video Recording | <p>Supports recording of holographic acoustic videos for analysis</p> <p>Not supported in MiX mode</p>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MP4 Video Recording                        | Support for various thermal image modes and MP4 video recording in all acoustic image source modes                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Image format                               | jpg (thermal image), jpg (acoustic image), jpg (visible light image)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Video Format                               | Supports irs or irsx (radiometric video), acs (holographic video), MP4                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Freeze Interface                           | In thermal image, blend(T-DEF®), and picture-in-picture modes, as well as in single-source, multi-source, and holographic acoustic modes, support for single-frame capture with preview freeze enabled                                                                                                                                                                                                                                                                                                                                  |
| QR Code Functionality                      | Supports scanning QR codes and barcodes as text annotations and tags.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Voice Annotation                           | Records voice for up to 120 seconds, saved in thermal images, acoustic images, full-radiometric videos, and holographic acoustic videos                                                                                                                                                                                                                                                                                                                                                                                                 |
| Text Annotation                            | Input text via soft keyboard, save to thermal images, acoustic images, full radiometric videos, and holographic acoustic videos                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tag Table                                  | For each row in the Tag Table, input text via drop-down list or soft keyboard, save to thermal images, acoustic images, radiometric videos, and holographic acoustic videos; later, filter by tag content in the gallery                                                                                                                                                                                                                                                                                                                |
| Favorites                                  | Click the favorite button to save the favorite status to thermal images, acoustic images, full-radiometric videos, and holographic acoustic videos, highlighted in the gallery preview screen, and later filter by favorite status in the gallery.                                                                                                                                                                                                                                                                                      |
| On-device gallery                          | <p>Supports viewing images, videos, and reports in the gallery by icon.</p> <p>Supports preview of images, videos, and reports in the gallery.</p> <p>Supports analysis of thermal images, radiometric videos, acoustic images, and holographic acoustic videos in the gallery.</p> <p>Supports filtering and deleting images, videos, and reports in the gallery.</p>                                                                                                                                                                  |
| On-device Report                           | Supports generating Word or PDF reports                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Data connectivity                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| WiFi Connection                            | Supports 2.4GHz and 5GHz frequency bands, supports 802.11a/b/g/n/ac                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Bluetooth                                  | BT4.2 LE, can be connected to Bluetooth headphones                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| USB interface                              | USB Type-C, compliant with USB 3.0/2.0 standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                |                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HDMI Interface                 | Micro HDMI type, compliant with HDMI 1.4 specifications, supports transmission of 1080P images/videos at 60Hz                                                                                                                                                                                                                                             |
| FTP Fast Transfer              | Connect to the device via WiFi network or device's own WiFi hotspot, then access local data via FTP                                                                                                                                                                                                                                                       |
| PC Radiometric Video Stream    | Real-time analysis of full radiometric video stream via AnalyzIR                                                                                                                                                                                                                                                                                          |
| Remote Display                 | View full radiometric video stream via USB Type-C interface connected to AnalyzIR, or connect to display screen or projector via HDMI interface                                                                                                                                                                                                           |
| Remote Control                 |                                                                                                                                                                                                                                                                                                                                                           |
| PC Remote Control              | Supports installing AnalyzIR on Windows systems for real-time data analysis and viewing and analyzing captured and recorded data.                                                                                                                                                                                                                         |
| Mobile Control                 | Supports installing EasyIR on Android systems to preview device screens, synchronize device data, and view, browse, share, and analyze synchronized data.                                                                                                                                                                                                 |
| Web Browser Remote Control     | Remote operation and control via built-in browser on devices such as smartphones, computers, tablets, to access, analyze, and share local data                                                                                                                                                                                                            |
| Auxiliary functions            |                                                                                                                                                                                                                                                                                                                                                           |
| Software and firmware upgrades | Supports OTA remote upgrade and SD card local upgrade                                                                                                                                                                                                                                                                                                     |
| TurboFocus®                    | Supports smart focus system with contrast focus, laser focus, continuous focus, and touch focus.                                                                                                                                                                                                                                                          |
| Touch Focus                    | Auto-focus on the target area within the visible region of the thermal image when no menu or image overlay information is activated by touch control.                                                                                                                                                                                                     |
| Laser                          | Laser: Class 2, wavelength: 635nm, power: <1mW.<br>Laser ranging: 0.1m-50m, accuracy: $\pm 0.01\%$ ±2mm.                                                                                                                                                                                                                                                  |
| ROI Supplement Parameters      | Support measurement of temperature line length, support measurement of rectangular and circular area of measurement area.                                                                                                                                                                                                                                 |
| Geographical Location          | Support Beidou/GPS/GLONASS satellite positioning, location information can be saved to thermal images, acoustic images, full-radiometric videos, and holographic acoustic videos.                                                                                                                                                                         |
| Compass                        | Supports 360° orientation, image overlay information can display orientation information, and orientation information can be saved in thermal images, acoustic images, full-radiometric videos, and holographic acoustic videos                                                                                                                           |
| LED illumination lamp          | Support flashlight illumination and flash mode                                                                                                                                                                                                                                                                                                            |
| HawkAI                         | Text recognition.                                                                                                                                                                                                                                                                                                                                         |
| Unique Features                |                                                                                                                                                                                                                                                                                                                                                           |
| MagicThermal®                  | AI identifies target feature areas, uses a temperature measurement frame (fits the target feature area contour) to select the area, and saves the temperature measurement frame information to the thermal image. The temperature measurement frame does not support on-device movement and fine adjustment, but supports editing in PC analysis software |
| Power system                   |                                                                                                                                                                                                                                                                                                                                                           |
| Battery type                   | 3.6V, 9900mAh Rechargeable Lithium Battery, Field-Replaceable                                                                                                                                                                                                                                                                                             |

|                                       |                                                                                                                                                                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery operating time                | Continuous Operating Times:<br>Thermal imaging mode: ≥4 hours<br>Acoustic imaging mode: ≥2.7 hours<br>MiX mode: ≥2.7 hours<br>(Actual operating time depends on environmental conditions and usage.)                                                   |
| Charging method                       | Supports charging via dock charger, direct DC 12V charging, and USB charging while powered off                                                                                                                                                         |
| Charging time                         | Charge up to 90% in 3 hours                                                                                                                                                                                                                            |
| Energy management                     | Auto shutdown, manual screen off                                                                                                                                                                                                                       |
| External power supply                 | Supports using DC 12V power supply for the device                                                                                                                                                                                                      |
| <b>Reliability and certification</b>  |                                                                                                                                                                                                                                                        |
| Safety standards                      | GB 4793.1/EN 61010-1                                                                                                                                                                                                                                   |
| Electromagnetic compatibility         | GB/T 18268.1/EN IEC 61326-1                                                                                                                                                                                                                            |
| Protection rating                     | IP54(GB/T 4208/IEC 60529)                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                                              |
| <b>Physical parameters</b>            |                                                                                                                                                                                                                                                        |
| Operating temperature                 | -20~50°C                                                                                                                                                                                                                                               |
| Storage temperature                   | -40~70°C, without battery                                                                                                                                                                                                                              |
| Relative humidity                     | <95%RH                                                                                                                                                                                                                                                 |
| Dimensions                            | 190mm*181mm*99mm                                                                                                                                                                                                                                       |
| Weight                                | 1.6kg(Excluding lens)                                                                                                                                                                                                                                  |
| Battery weight                        | 210g                                                                                                                                                                                                                                                   |
| Housing material                      | Hard plastic: PC+ABS, soft rubber: TPE, magnesium alloy, aluminum alloy                                                                                                                                                                                |
| Mounting Method                       | Support tripod connection with UNC 1/4-20 interface                                                                                                                                                                                                    |
| <b>Warranty and maintenance</b>       |                                                                                                                                                                                                                                                        |
| Warranty period                       | 2-year warranty for the whole unit                                                                                                                                                                                                                     |
| Recommended calibration interval      | Thermal Imaging: 2 years, Acoustic Imaging: 2 years                                                                                                                                                                                                    |
| <b>Supported languages</b>            |                                                                                                                                                                                                                                                        |
| Supported languages                   | English, German, French, Spanish, Portuguese, Italian, Japanese, Korean, Traditional Chinese, Thai                                                                                                                                                     |
| <b>Standard product configuration</b> |                                                                                                                                                                                                                                                        |
| Standard configuration                | Main unit ×1□Rechargeable Lithium Battery*3□Charging Dock□Power Adapter□USB Type-C to USB cable ×1□Micro HDMI to HDMI Interface Cable□256G SD Card□SD Card Reader□Neck Strap□Calibration certificate□Quick start guide□Packing list□Hard Carrying Case |

## ■ Lens

### ● Optional

| L<br>e<br>n<br>s | Lens Parameters     |                           |                          |                               |                                                                                           |
|------------------|---------------------|---------------------------|--------------------------|-------------------------------|-------------------------------------------------------------------------------------------|
|                  | Field of View (FOV) | Spatial Resolution (IFOV) | Minimum Imaging Distance | Minimum Registration Distance | Focal length                                                                              |
|                  |                     |                           |                          |                               | Temperature Span                                                                          |
| L25              | 25°*19°             | 0.68 mrad                 | 0.25 m                   | 0.5 m                         | 25 m                                                                                      |
| L46              | 46°*35°             | 1.25 mrad                 | 0.1 m                    | 0.7 m                         | 14 m                                                                                      |
| L12              | 12°*9°              | 0.33 mrad                 | 1 m                      | 1 m                           | 51 m                                                                                      |
| L07              | 7°*5°               | 0.19 mrad                 | 2 m                      | N/A                           | 83 m                                                                                      |
| L80              | 80°*60°             | 2.18 mrad                 | 0.1 m                    | N/A                           | 7 m                                                                                       |
|                  |                     |                           |                          |                               | -20~120°C, 0~650°C (measurement accuracy below –20°C not guaranteed, calibrated at 1 m)   |
|                  |                     |                           |                          |                               | -20~120°C, 0~650°C (measurement accuracy below –20°C not guaranteed, calibrated at 0.8 m) |
|                  |                     |                           |                          |                               | -20~120°C, 0~650°C (measurement accuracy below –20°C not guaranteed, calibrated at 1.5 m) |
|                  |                     |                           |                          |                               | -20~120°C, 0~650°C (measurement accuracy below –20°C not guaranteed, calibrated at 4 m)   |
|                  |                     |                           |                          |                               | -20~120°C, 0~650°C (accuracy below -20°C not guaranteed, calibrated at 0.6 m)             |

|         |                        |                        |                 |                |               |                                                                                             |
|---------|------------------------|------------------------|-----------------|----------------|---------------|---------------------------------------------------------------------------------------------|
| L25/L12 | 25°*<br>19°\12°*<br>9° | 0.68 mrad<br>0.33 mrad | 0.25 m<br>0.1 m | 0.5 m<br>0.1 m | 25 mm<br>5 mm | -20~120°C, 0~650°C (calibrated at 1 m / 1.5 m)                                              |
| L25/L07 | 25°*<br>19°\7°*5°      | 0.68 mrad<br>0.19 mrad | 0.25 m<br>0.3 m | N / A          | 25 mm<br>7 mm | -20~120°C, 0~650°C (calibrated at 1 m / 4 m)                                                |
| M20     | 12.8 mm*<br>9.6 mm     | 20 μm                  | 2.9 mm          | N / A (M)      | 4.9 mm        | -20~120°C, 0~650°C (measurement accuracy above 400°C not guaranteed, calibrated at 0.025 m) |
| M20     | 12.8 mm*<br>9.6 mm     | 20 μm                  | 2.9 mm          | N / A (M)      | 4.9 mm        | -20~120°C, 0~650°C (measurement accuracy above 400°C not guaranteed, calibrated at 0.025 m) |
| M50     | 32 mm*<br>4 mm         | 50 μm                  | 9.8 mm          | N / A (M)      | 2.8 mm        | -20~120°C, 0~650°C (measurement accuracy above 400°C not guaranteed, calibrated at 0.1 m)   |

### ● Temperature Range Extension

| Lens    | Temperature Range Extension |               |
|---------|-----------------------------|---------------|
|         | -40°C                       | 2000°C        |
| L25     | Supported                   | Supported     |
| L46     | Supported                   | Supported     |
| L12     | Supported                   | Supported     |
| L07     | Supported                   | Not supported |
| L80     | Supported                   | Supported     |
| L25/L12 | Not supported               | Not supported |
| L25/L07 | Not supported               | Not supported |
| M20     | Not supported               | Not supported |
| M20     | Not supported               | Not supported |
| M50     | Not supported               | Not supported |

### ■ Available Models

A251556-B001 Fotric P7MiX-L25

A251556-B002 Fotric P7MiX-L25/L12

A251556-B003 Fotric P7MiX-L25/L07

A251556-B004 Fotric P7MiX-M20  
A251556-B005 Fotric P7MiX-L46  
A251556-B006 Fotric P7MiX-L25-M20  
A251556-B007 Fotric P7MiX-L25-L46  
A251556-B008 Fotric P7MiX-L25/L12-L46  
A251556-B009 Fotric P7MiX-M50  
A251556-B010 Fotric P7MiX-L25-M50  
A251556-B011 Fotric P7MiX-M20-M50  
A251556-B012 Fotric P7MiX-L25-M20-M50  
A251556-B013 Fotric P7MiX-L46-L25/L12-M20  
A251556-B014 Fotric P7MiX-L25-L46-L25/L12-M20  
A251556-B015 Fotric P7MiX-L12  
A251556-B016 Fotric P7MiX-L07  
A251556-B017 Fotric P7MiX-L25-L12  
A251556-B018 Fotric P7MiX-L25-L07  
A251556-B019 Fotric P7MiX-L12-L46  
A251556-B020 Fotric P7MiX-L12-L07  
A251556-B021 Fotric P7MiX-L46-L07  
A251556-B022 Fotric P7MiX-L25-L12-L46  
A251556-B023 Fotric P7MiX-L25-L12-L07  
A251556-B024 Fotric P7MiX-L25-L46-L07  
A251556-B025 Fotric P7MiX-L12-L46-L07  
A251556-B026 Fotric P7MiX-L25-L12-L46-L07  
A251556-B027 Fotric P7MiX-L46-L25/L12  
A251556-B028 Fotric P7MiX-L46-M20  
A251556-B029 Fotric P7MiX-L25/L12-M20  
A251556-B030 Fotric P7MiX-L25-JK-40  
A251556-B031 Fotric P7MiX-L46-L25/L07  
A251556-B032 Fotric P7MiX-L25/L12-L46-M20

\* For additional configurations, please contact us directly.

## ■ Accessories

### ● Optional

C251235 Rechargeable Lithium Battery  
C251343 Charging Dock  
C251240 Power Adapter  
C251449 Car Charger  
C251249 Test Bench  
C251332 Portable Soft Bag  
C251340 Hard Carrying Case  
C251372 L25 Lens  
C251303 L46 Lens  
C251300 L12 Lens  
C251331 L07 Lens

C251424 L80 Lens  
C251323 L25/L12 Lens  
C251327 L25/L07 Lens  
C251329 M20 Lens  
C251312 M50 Lens  
C251261 -40°C Low Temperature Expansion  
C251439 2000°C High Temperature Expansion  
C251450 Temperature calibration service □ ≤700°C □ each temperature range □  
C251451  
D251036 NaviPdM Venus

