

## PFI-M625 LRF Thermal Monocular Camera



### Key Features

- 3 functions, 1 wheel.
- PIPS 3.0 Pro technology.
- Upgraded display quality.
- Compact and portable design.
- Quick-change 18650 battery design.
- Classic design with durable magnesium alloy body.

## Technical Specification

| Thermal                          |                                                         |
|----------------------------------|---------------------------------------------------------|
| Detector Type                    | Vanadium oxide uncooled focal plane detector            |
| Effective Pixels                 | 640 (H) × 512 (V)                                       |
| Frame Rate                       | 50 Hz                                                   |
| Pixel Pitch                      | 12 μm                                                   |
| Spectral Range                   | 8 μm–14 μm                                              |
| Sensitivity (NETD)               | ≤15 mK@f/1.0                                            |
| Focal Length                     | 25 mm                                                   |
| Aperture                         | F1.0                                                    |
| Field of View                    | H: 17.4°; V: 13.9°/H: 30.6 m; V: 24.4 m (@100 m)        |
| Focus Control                    | Manual                                                  |
| Close Focus Distance             | 1 m (3.28 ft)                                           |
| Detection Distance               | 1,300 m (4,265.09 ft)                                   |
| Visual Equivalent Magnification  | 1.2×                                                    |
| Digital Zoom                     | 1×–8×                                                   |
| Display                          |                                                         |
| Screen Size                      | 1920 (H) × 1080 (V), 0.49 inch, OLED                    |
| Color Palettes                   | White Hot, Black Hot, Iron Red, Alarm, Green Hot, Sepia |
| Diopter                          | –5 D to 3 D                                             |
| Eye Relief                       | 15 mm                                                   |
| Function                         |                                                         |
| Video Recorder                   | Yes                                                     |
| Snapshot                         | Yes                                                     |
| Wi-Fi Hotspot                    | Yes                                                     |
| Hot Spot Track                   | Yes                                                     |
| FFC Calibration                  | Auto; Semi-Auto; Manual                                 |
| Standby Mode                     | Yes                                                     |
| DPC (Defective Pixel Correction) | Yes                                                     |
| MIC                              | Yes                                                     |
| Compass                          | Yes                                                     |
| PIP                              | Yes                                                     |
| Local Album                      | Yes                                                     |
| Storage                          | Built-in 64GB                                           |

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| PIPS 3.0 Pro           | Yes                                                               |
| Laser Range            | 1,000 m (3,280.84 ft)                                             |
| Laser Accuracy         | ±1 m (3.28 ft)                                                    |
| Laser Safety           | Class 1                                                           |
| Power                  |                                                                   |
| Battery Type           | Rechargeable 18650 Lithium battery                                |
| Battery Operating Time | ≥5 h@25 °C (Wi-Fi off)                                            |
| Power Supply           | 5 VDC                                                             |
| USB                    | USB Type-C                                                        |
| General                |                                                                   |
| Operating Temperature  | -30°C to 55°C (-22°F to 131°F)                                    |
| Operating Humidity     | ≤95%                                                              |
| Protection Grade       | IP67                                                              |
| Packaging Dimensions   | 190.0 mm × 137.0 mm × 86.0 mm (7.48" × 5.39" × 3.39") (L × W × H) |
| Product Dimensions     | 167.7 mm × 61.4 mm × 50 mm (6.60" × 2.42" × 1.97") (L × W × H)    |
| Net Weight             | ≤0.313 kg (0.69 lb)                                               |
| Gross Weight           | ≤0.863 kg (1.90 lb)                                               |

Dimensions (mm[inch])

