

## PFI-P635 Thermal Scope



### Key Features

- Vanadium oxide uncooled focal plane detector.
- Detecton distance is up to 1,800 m.
- Metal housing.
- Impact resistance reaches up to 1,200 g/ms.
- RAR (Recoil Actvated Recorder).
- FHD OLED display.
- Six color paletes.
- Built-in EMMC (64 GB).
- IP67 rated.

## Technical Specification

| Thermal                          |                                                      |
|----------------------------------|------------------------------------------------------|
| Detector Type                    | Vanadium oxide uncooled focal plane detector         |
| Effective Pixels                 | 640 (H) × 512 (V)                                    |
| Pixel Pitch                      | 12 μm                                                |
| Spectral Range                   | 8 μm–14 μm                                           |
| Sensitivity (NETD)               | ≤30 mK@f/1.0                                         |
| Frame Rate                       | 50 Hz                                                |
| Focal Length                     | 35 mm                                                |
| Field of View                    | H: 12.4°; V: 10°                                     |
| Focus Control                    | Manual                                               |
| Close Focus Distance             | 3 m (9.8 ft)                                         |
| Aperture                         | F1.0                                                 |
| Detection Distance               | 1,800 m (5,905.51 ft)                                |
| Magnification                    | 1.95×                                                |
| Image Display                    |                                                      |
| Size                             | 0.41 inch, OLED                                      |
| Resolution                       | 1440 (H) × 1080 (V)                                  |
| Diopter                          | −3 D to +5 D                                         |
| Eye Relief                       | 50 mm (1.97")                                        |
| Color Palettes                   | 6 (white hot/black hot/iron red/alarm/emerald/amber) |
| Function                         |                                                      |
| Digital Zoom                     | 1x; 2x; 4x; 8x                                       |
| Reticle                          | Multiple Patterns & Color Options                    |
| Zeroing                          | Yes                                                  |
| Video Recorder                   | Yes                                                  |
| Snapshot                         | Yes                                                  |
| WiFi Hotspot                     | Yes                                                  |
| Hot Spot Track                   | Yes                                                  |
| Video Distance Measurement       | Yes                                                  |
| FFC Calibration                  | Auto; manual; immediately                            |
| Standby Mode                     | Yes                                                  |
| PIP (Picture in Picture)         | Yes                                                  |
| DPC (Defective Pixel Correction) | Yes                                                  |
| RAR (Recoil Activated Recorder)  | Yes                                                  |
| MIC                              | Yes                                                  |

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| Storage                  | Built-in 64 GB                                                                |
| Power                    |                                                                               |
| Power Supply             | 5 VDC/2 A, USB Type-C                                                         |
| Battery Type             | Rechargeable Lithium battery (internal) and one replaceable CR123A (external) |
| Battery Capacity         | 6,400 mAh (internal)                                                          |
| Overvoltage Protection   | Yes                                                                           |
| Standby Time             | ≥13 h                                                                         |
| Environment              |                                                                               |
| Operating Temperature    | −30 °C to +50 °C (−22 °F to +122 °F)                                          |
| Operating Humidity       | ≤95%                                                                          |
| Storage Temperature      | −30 °C to +65 °C (−22 °F to +149 °F)                                          |
| Physical Characteristics |                                                                               |
| Protection               | IP67                                                                          |
| Max. Recoil              | 1,200 g/ms                                                                    |
| Structure                |                                                                               |
| Product Dimensions       | 409.5 mm × 77.5 mm × 61.5 mm (16.12" × 3.05" × 2.42") (L × W × H)             |
| Packaging Dimensions     | 495 mm × 154 mm × 132 mm (19.45" × 6.06" × 5.19") (L × W × H)                 |
| Net Weight               | ≤852 g (1.88 lb)                                                              |
| Gross Weight             | ≤2.6 kg (5.73 lb)                                                             |

Dimensions (mm[inch])

