

PFI-P435 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.



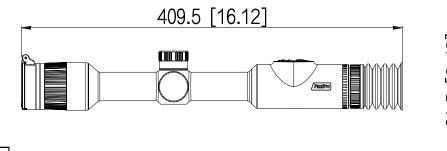
Technical Specification

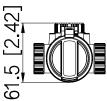
ThermaDetector /psqVandam antide unconsist functioned detectorBefetor PauleAddal vandam antide unconsist functioned detectorBefetor PauleNumSector HangeSim Staff VandamSector HangeSim Staff VandamFande RateDillFande RateDillFande RateSim Staff VandamFactor DataSim Staff VandamFactor DataSim Staff VandamFactor DataSim Staff VandamFactor DataSim Staff VandamAgenta DataSim Staff VandamDetection DataSim Staff VandamBased DataSim Staff Vandam			
Inferior Puels20/01/12/28/0/Pied Pach21/01Spectral Range20/01/01Spectral Range20/01/01Sensitivity (NTD)20/01/01Sensitivity (NTD)20/01/01Foral Rate20/01/01Foral Rate20/01Foral ControlAnsolForal ControlAn(8.10)Foral ControlXin (9.6.10)Aperur10/01Colse Foral SolationXin (9.6.10)Aperur10/01Detection Distance10/01Spectrol TotalXin (9.6.10)Magification3:haTotal Colse10/01/01Detection Distance10/01/01Resolution10/01/01Dipper01/01/01Colse Pacel Colse20/01/01Pacel Colse20/01/01Dipper10/01/01Colse Pacel Colse20/01/01Colse Pacel Colse20/01/01Colse Pacel Colse20/01/01Colse Pacel Colse P	Thermal		
PeeP Rth2 µmSpectral Rage2 µm9 µm	Detector Type	Vanadium oxide uncooled focal plane detector	
Sectar RangeNm=H µmSectar RangeSumSectar RangeSum (Sectar Context)Franc RateSumFranc RateSumFocar LangthSumFocar LangthSumFocar ControlManualFocar ControlSum (Sum (Sectar Sum))Detection DistanceSum (Sectar Sum))Detection DistanceSum (Sectar Sum))Detection DistanceSum (Sectar Sum))Detection DistanceSum (Sectar Sum))DistanceSum (Sec	Effective Pixels	384 (H) × 288 (V)	
Sensitivity (NETD) <a &="" (1.97")digtal="" (image="" (v)digtal="")color="" calirbanic4.43.04nich="" color="" display)exp="" href="http://withub.com/stational-sta</th><td>Pixel Pitch</td><td>12 μm</td></tr><tr><th>Frame kate0 HzFour Length3 mmFour Length40.73 Y. 5.97Four Sour NotManualConser Four Source3 m (9.6 H)Ander1.0 GAnder1.0 GBeeter Not Sour Sour Sour Sour Sour Sour Sour Sour</th><th>Spectral Range</th><th>8 µm–14 µm</th></tr><tr><th>Focilength5mmFocilength5m, 5pFocis ControlManualFocis ControlManualClose Focus Distance1m (0.8 ft)Aperture1.0Betection Distance1.800m (5.905.51 ft)Magnification1.800m (5.905.51 ft)Magnification1.800m (5.905.51 ft)Magnification1.800m (5.905.51 ft)Steel4.101 (0.EDResolution4.400 (0.910.000 (0)Opter-1.900.000 (0)Fore-1.900.000 (0)Fore-1.90</th><th>Sensitivity (NETD)</th><th>≤30 mK@f/1.0</th></tr><tr><th>Field of ViewH7.8% 5.9°Focus OntrolMunulClose Focus DistanceMig.81Aperture1.0Detection DistanceJ.80xm (5,005.51f)MagnificationJ.80xm (5,005.51f)MagnificationJ.80xm (5,005.51f)Detection DistanceJ.80xm (5,005.51f)MagnificationJ.80xm (5,005.51f)BigeMilleh OLEDResolutionHaleh OLEDResolution140xt(H) / 1080 (ViDighter- 30xt(S) / 100xt(H)Poper- 30xt(S) / 100xt(H)Coller DetectionStote hot/from ret/Jam/temental/amber)Futction- 30xt(S) / 100xt(H)Poper- 30xt(H)Poper- 30xt(H)</t</th><th>Frame Rate</th><th>50 Hz</th></tr><tr><th>Focus DistoneManualClose Focus Distone3m(9.8 ft)Aperture1.0Detection Distone1.00m (5.905.51 ft)Magnification3.19Image Display3.19Size0.41 mbn, OLEDResolution1.40 (rt) 1.000 (V)Dipter-3.0 to 5.DExp Relief0.00m (1.97" optionszoring1.42.2.41.84nich="" paletes6.00m="" patterns="" recorder1.43.04pic="" recorder1.43.04video="" recorder1.43.0<="" relief0.40.100="" reticle1.43.04nich="" reticle1.43.04video="" rotzplat1.43.04video="" th="" zoom1.42.2.41.84reticlemanual="" zoom1.42.2.41.84reticlenathle=""><th>Focal Length</th><th>35 mm</th>	Focal Length	35 mm	
Close Focus Distance8n (9.8 ft)ApertureF.0Detection Distance1.800m (s305.51 ft)Magnification319×Targe Display1.900Size0.11 inch, 0.15 DResolution1.400 (1/1Dioper-0.300 s 5Expected300m (1.97)Color Paletas0.00m (1.97)Digtal Zoom1.92× s × 8RetichMultiple Paterus & Color OptionsExpected9.00m (1.97)Digtal Zoom1.92× s × 8RetichMultiple Paterus & Color OptionsExpected9.00m (1.97)Color Solance9.00m (1.97)Digtal Zoom1.92× s × 8RetichMultiple Paterus & Color OptionsExpected9.00m (1.97)Color Solance9.00m (1.97)Function1.92× s × 8Pict Calir Solance9.00m (1.97)Digtal Zoom1.92× s × 8RetichMultiple Paterus & Color OptionsStrein Expected9.00m (1.900 (1.9	Field of View	H: 7.8°; V: 5.9°	
Aperture FL0 Detection Distance 1800 m (\$300 S1 ft) Magnification 134 Image Display Image Display Size 0.41 inch, OLED Resolution 1440 (H) × 1080 (V) Diopter -3 D to 45 D Size 0.00 (H) × 1080 (V) Diopter -3 D to 45 D Size 0.00 (H) × 1080 (V) Size 0.00 (H) × 1080 (V) Diopter -3 D to 45 D Size 0.00 (H) × 1080 (V) Size -3 D to 45 D Size 0.00 (H) × 1080 (V) Size -3 D to 45 D Function -3 D to 45 D Function 140 (H) × 1080 (V) Size -3 D to 45 R Video Recorder No Size Aside -3 D concordination Concordination Video Recorder Video Recorder Video Recorder No Size Asid -3 D conco	Focus Control	Manual	
Petection DistanceIA00 m (5,905.51 ft)Magnification3.19×Image DisplayImage DisplaySize0.41 Inch, OLEDResolution1.440 (H) × 1080 (V)Diopter-3.0 to +5.0Size Relief0.0 tro 1.97"Color Paletes0 tro 1.97"Diopter-3.0 to +5.0Function	Close Focus Distance	3 m (9.8 ft)	
Magnification 3.19× Image Display Size 0.41 inch, 0LED Resolution 1.440 (H) × 1080 (V) Diopter -3.0 to +5.D Expedief 50 mm (1.97°) Color Paletes c (white hot/black hot/iron red/alarm/emerald/amber) Function res Digital Zoom 1x 2x 4x; 8x Reticle Multiple Patterns & Color Options Zeroing ves Video Roorder ves Mignification ves Video Roorder ves Resourcement ves Procession ves Procession ves Resourcement ves Procession ves Resourcement ves Procession ves Resourcement ves	Aperture	F1.0	
Image Display Size 0.41 inch, 01ED Resolution 1440 (H) × 1080 (V) Diopter -3 D to +5 D Eye Relief 0 om (1.97") Color Palettes 6 (white hot/black hot/iron red/alarn/emerald/amber) Function 5 J x 4 × 18 × Reticle Multiple Patterns & Color Options Zeroing 1× 2× 4 × 18 × Video Recorder Video Accorder Pisplat Zom 1× 5× 4 × 18 × Video Recorder Video Accorder Video Recorder Video Accorder Pisplat Zom Video Accorder Video Distance Video Context Pisplat Zom Video Context Video Distance Video Context Pisplat Zom Video Distance Pis	Detection Distance	1,800 m (5,905.51 ft)	
Size 0.41 inch, 0.ED Resolution 1.440 (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 Eye Relief Digital Zoom 1x; 2x; 4x; 8x Reticle Multiple Patterns & Color Options Zeroing Yes Video Recorder Yes Snapshot Yes Video Distance Yes Midizon Xes Yideo Distance Yes FFC Calibration Auto; manual; immediately Standby Mode Yes PIP (Picture in Picture) Yes DPC (Defective Pikel) Yes RAR (Recoil Activated Recorder) Yes	Magnification	3.19x	
Resolution 1440 (H) ± 1080 (V) Diopter -3 D to ±5 D Eye Relief 50 m(197) Color Paletes 6 (white hot/black hot/iron red/alam/emerald/amber) Function Image: Second S	Image Display		
Diopter -3 D to 45 D Eye Relief 50 mm (1.97") Color Palettes 6 (white hor/black hor/iron red/alarm/emerald/amber) Function Eye Relief Digital Zoom 1x; 2x; 4x; 8x Reticle Multiple Patterns & Color Options Zeroing Ves Video Recorder Yes Snapshot Yes Video Distance Yes Video Distance Yes Snapshot Yes Video Distance Yes FFC Calibration Auto; manual; immediately Standby Mode Yes PIP (Picture in Picture) Yes PCrection Pixel Yes RetR(Recoil Activated Recorder) Yes	Size	0.41 inch, OLED	
Eye Relief S0 mm (1.97") Color Palettes S0 mm (1.97") Function Function Digital Zoom 1x, 2x; 4x, 8x Reticle Multiple Patterns & Color Options Zeroing Yes Video Recorder Yes Video Recorder Yes Video Recorder Yes Video Recorder Yes Video Distance Yes Video Distance Yes FFC Calibration Ves FFC Calibration Yes PIP (Picture in Picture) Yes PIP (Picture in Picture) Yes RAR (Recoll Activated Recorder) Yes	Resolution	1440 (H) × 1080 (V)	
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 vs Video Recorder Ves Snapshot ves Video Distance ves Video Distance ves FFC Calibration Auto; manual; immediately Snaphod ves PIP (Picture in Picture) ves PIP (Coffective Pikel) ves RAR (Recoil Activated Recorder) ves	Diopter	-3 D to +5 D	
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 Yideo Distance Yes FFC Calibration Auto; manual; immediately FFC Calibration Yes PIP (Picture in Picture) Yes PC(Defective Pixel) Yes Rar (Recoil Activated) Yes	Eye Relief	50 mm (1.97")	
Digital Zoom 1x; 2x; 4x; 8x Reticle Multiple Patterns & Color Options Zeroing Yes Video Recorder Yes Snapshot Yes WiFi Hotspot Yes Video Distance Measurement Yes FFC Calibration Auto; manual; immediately Standby Mode Yes PIP (Picture in Picture) Yes RAR (Recoil Activated Recorder) Yes	Color Palettes	6 (white hot/black hot/iron red/alarm/emerald/amber)	
Reticle Multiple Patterns & Color Options Zeroing Yes Video Recorder Yes Snapshot Yes WiFi Hotspot Yes Hot Spot Track Yes Yideo Distance Measurement Yes FFC Calibration Auto; manual; immediately Standby Mode Yes PIP (Picture in Picture) Yes PPC (Defective Pixel) Yes RAR (Recoil Activated) Yes	Function		
Zeroing Yes Video Recorder Yes Snapshot Yes WiFi Hotspot Yes Hot Spot Track Yes Yes Yes I Hot Spot Track Yes Yes Yes I Re (Recoil Activated Recorder) Yes	Digital Zoom	1×; 2×; 4×; 8×	
Video Recorder Yes Snapshot Yes WiFi Hotspot Yes Hot Spot Track Yes Yideo Distance Measurement Yes FFC Calibration Auto; manual; immediately Standby Mode Yes PIP (Picture in Picture) Yes DCC (Defective Pixel Correction) Yes RAR (Recoil Activated mediatel Yes	Reticle	Multiple Patterns & Color Options	
Snapshot Yes WiFi Hotspot Yes Hot Spot Track Yes Yideo Distance Measurement Yes FFC Calibration Auto; manual; immediately Standby Mode Yes PIP (Picture in Picture) Yes RAR (Recoil Activated Recorder) Yes	Zeroing	Yes	
WiFi HotspotYesHot Spot TrackYesVideo Distance MeasurementYesFFC CalibrationAuto; manual; immediatelyStandby ModeYesPIP (Picture in Picture)YesDPC (Defective Pixel Correction)YesRAR (Recoil Activated ReYes	Video Recorder	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	Snapshot	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	WiFi Hotspot	Yes	
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	Hot Spot Track	Yes	
Standby Mode Yes PIP (Picture in Picture) Yes DPC (Defective Pixel Correction) Yes RAR (Recoil Activated Recoil Activated		Yes	
PIP (Picture in Picture) Yes DPC (Defective Pixel Correction) Yes RAR (Recoil Activated Recorder) Yes	FFC Calibration	Auto; manual; immediately	
DPC (Defective Pixel Correction) Yes RAR (Recoil Activated Recorder) Yes	Standby Mode	Yes	
Correction) Yes RAR (Recoil Activated Recorder) Yes	PIP (Picture in Picture)	Yes	
RAR (Recoil Activated Recorder) Yes		Yes	
MIC Yes	RAR (Recoil Activated	Yes	
	MIC	Yes	

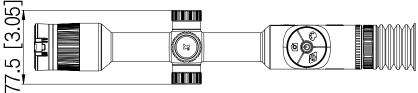


Storage	Built-in 64 GB	
Power		
Power Supply	5 VDC/2 A, USB Type-C	
Battery Type	Rechargeable Lithium battery (internal) and one replaceable CR123A (external)	
Battery Capacity	6,400 mAh (internal)	
Overvoltage Protection	Yes	
Standby Time	≥15 h	
Environment		
Operating Temperature	-30 °C to +50 °C (-22 °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])







Rev 001.000 © 2023 Pixfra. All rights reserved. Design and specifications are subject to change without notice. The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.