

Pixfra Sirius S435 Thermal Imaging Monocular Specification

Pixfra Sirius S435

Specifications

Thermal

Detector Type:	Vanadium oxide uncooled focal plane detector
Effective Pixels:	384 (H) × 288 (V)
Pixel Pitch:	12 µm
Spectral Range:	8 µm–14 µm
Sensitivity (NETD):	≤18 mK@f/1.0, 25 °C
Focal Length:	35 mm
Aperture:	F1.0
Field of View:	H: 7.85°; V: 5.89°/H: 13.7 m; V: 10.3 m (@100 m)
Focus Control:	Manual
Close Focus Distance:	3 m (9.84 ft)
Detection Distance:	1,800 m (5,905.31 ft)
Recognition Distance:	464 m (1,522.31 ft)
Identification Distance:	232 m (761.15 ft)
Magnification:	3.68 ×
Frame Rate:	50 Hz

Display

Screen:	1440 × 1080, 0.41 inch, OLED
Color Palettes:	6 (white hot/black hot/iron red/alarm/emerald/amber)
Video Compression:	H.264
Diopter:	–5D to +3D
Eye Relief:	15 mm (0.59 inch)
Exit Pupil:	8 mm (0.31 inch)



Function

Digital Zoom:	1x, 2x, 4x, 8x
Video Recorder:	Yes
Snapshot:	Yes
Wi-Fi Hotspot:	Yes
Hot Spot Track:	Yes
FFC Calibration:	Auto, Manual, External Correction
Standby Mode:	Yes
DPC (Defective Pixel Correction):	Yes
MIC:	Yes
Compass:	Yes
Storage:	Built-in 64 GB

Power

Battery Type:	Replaceable 18650 battery
Battery Life:	7.5 h @25 °C (Wi-Fi off)
Power Supply:	5 VDC/2 A
Port:	USB Type-C
Overvoltage Protection:	Yes

General

Operating Temperature:	-30 °C to +55 °C (-22 °F to +131 °F)
Operating Humidity:	≤95%
Protection Grade:	IP67
Packaging Dimensions:	291 mm × 140 mm × 127 mm (11.46" × 5.51" × 5") (L × W × H)
Product Dimensions:	194.3 mm × 54 mm × 65.4 mm (7.65" × 2.13" × 2.57") (L × W × H)
Gross Weight:	1.15 kg (2.54 lb)
Net Weight:	421 g (0.93 lb)