



Pixfra Mile 2 Thermal Imaging Monocular Specification

Pixfra Mile 2

Specifications

Detector Type:	Vanadium oxide uncooled focal plane detector
Effective Pixels:	256 (H) × 192 (V)/384 (H) × 288 (V)/640 (H) × 512 (V)
Pixel Pitch:	12 μm
Spectral Range:	8 μm–14 μm
Sensitivity (NETD):	256 (H) × 192 (V): ≤35 mK@f/1.0 384 (H) × 288 (V)/640 (H) × 512 (V): ≤25 mK@f/1.0
Frame Rate:	50 Hz
Focal Length:	256 (H) × 192 (V): 7mm, 10 mm, 15 mm 384 (H) × 288 (V): 13 mm, 19 mm, 25 mm 640 (H) × 512 (V): 18 mm, 25 mm
Focus Control:	256 (H) × 192 (V): 10 mm(fixed), 15 mm(fixed/manual optional) 384 (H) × 288 (V)/640 (H) × 512 (V): manual
Aperture:	F1.0
Field of View:	M207: H: 24.0°; V: 18.0° M210: H: 17.3°; V: 13.1° M215(M): H: 11.7°; V: 8.8° M413: H: 20.9°; V: 15.7° M419: H: 14.4°; V: 10.8° M425: H: 10.9°; V: 8.2° M619: H: 22.8°; V: 18.3° M625: H: 17.5°; V: 14.0°
Detection Distance:	M207: 350 m M210: 500 m



M215(M): 800 m

M413: 700 m

M419: 1000 m

M425: 1300 m

M619: 1000 m

M625: 1300 m

Magnification:

M207: 1.10x

M210: 1.55x

M215(M): 2.33x

M413: 1.40x

M419: 2.05x

M425: 2.70x

M619: 1.25x

M625: 1.65x

Digital Zoom:

1 x; 2 x; 4 x; 8 x

Color Palettes:

6 (white hot/black hot/iron red/alarm/emerald/amber)

Display

Display Screen Dimensions:

0.32 inch, AMOLED

Screen Resolution:

800 (H) x 600 (V)

Function

Storage:

Built-in EMMC (16 GB)

Uniformity Correction:

Auto; manual

Hot Spot Trace:

Yes

Wi-Fi:

Yes

Power

Power Supply:

5 VDC/2 A, USB Type-C

Battery:

Type 1 rechargeable Lithium batteries (internal)

Battery Capacity:

3,200 mAh

Overvoltage Protection:

Yes



Operating Time: 256 (H) × 192 (V): ≥9 h
384 (H) × 288 (V): ≥8 h
640 (H) × 512 (V): ≥6.5 h

Environment

Operating Temperature: -30 °C to +55 °C (-22 °F to +131 °F)
Operating Humidity: ≤95%
Storage Temperature: -40 °C to +65 °C (-40 °F to +158 °F)

Physical Characteristics

Product Dimensions: M210/M215: 149.0 mm × 56.6 mm × 50.3 mm (5.87" × 2.23" × 1.98") (L × W × H)
M215M/M413/M419/M425/M619/625: 157.5 mm × 56.6 mm × 50.3 mm (6.20" × 2.23" × 1.98") (L × W × H)

Net Weight: M210/M215: <270 g (0.60 lb)
M215M: <300 g (0.66 lb)
M413/M419/M425/M619/625: <320 g (0.71 lb)

Protection: IP67