Thermal

Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	160×120
Pixel Interval	17μm
Response Waveband	8μm to 14μm
NETD	Less than 40 mK (@25°C,F#=1.1)
Focal Length	6.2mm
Focus Mode	Manual
Field Of View	25° × 18.7°
IFOV	2.74 mrad
Image Frequency	25 hz
Aperture	F 1.1

Optical

Picture Resolution	Configurable: 2 MP, 5 MP, 8 MP
Video Resolution	640 × 480

Thermography

Rules	Max. Temperature; Min. Temperature; Center Temperature; Custom Point/Line/Area Thermography
Thermographic Range	From 30 °C to 45 °C
Accuracy	± 0.5 °C

Image Display

Monitor	640 × 480 resolution 3.5-inch LCD touch display

Image Mode	Thermal view, B/W optical view, image fusion view are selectable
Palettes	Black hot, White hot, Red hot, Rainbow, Ironbow, Fusion, Rain
Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
Digital Zoom	Thermal：1×, 2×, 4×

System Function

Laser Light	Support (Point to the thermography target)
Capture	Thermal/Optical/Fusion image
Video	Thermal/Optical/Fusion image
Text Comment	Yes
Voice Comment	Yes
Wi-Fi	Yes
Storage	Built-in memory module (16 G)
Client	iVMS-4800 (PC);Hik-Thermal (Mobile APP)
Battery Type	Dismountable and rechargeable Li-ion Battery
Battery Operating Time	5 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light off. 4 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light on.

General

Hardware Interface	Type-C USB
Power Supply	5 VDC/2 A
Power Consumption	Max. 4.5 W

Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Protection Level	IP54
Drop Test Height	2 m (6.56 feet)
Weight	With Battery: 653 g (1.44 lb) Without Battery: 511 g (1.13 lb)
Dimension	244 mm × 100 mm × 104 mm (9.6 ″ × 3.9 ″ × 4.1 ″)