

SPECIFICATIONS

OVERVIEW

Accuracy	$\pm 2^{\circ}\text{C}$ ($\pm 3.6^{\circ}\text{F}$) or $\pm 2\%$ of reading for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
Alarm	Moisture, insulation, and measurement
Color alarm (isotherm)	Above, below, interval, condensation, insulation
Detector Type	Uncooled microbolometer, $17\mu\text{m}$
Field of view (FOV)	$24^{\circ} \times 18^{\circ}$
IR Resolution	240×180 (43,200 pixels)
Laser Pointer	Yes; dedicated button
Object Temperature Range	-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1200°F)
Compass GPS	Yes; automatic GPS image tagging
Area Box	1 in live mode

CONNECTIONS & COMMUNICATIONS

Communication Interfaces	USB 2.0, Bluetooth, Wi-Fi, DisplayPort
Storage Media	Removable SD card
Video Out	DisplayPort over USB Type-C
METERLiNK	Yes; several readings

ENVIRONMENTAL

Operating Temperature Range	-15°C to 50°C (5°F to 122°F)
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)

IMAGING & OPTICAL

Color palettes	Iron, Gray, Rainbow, Arctic, Lava, Rainbow HC
Digital Camera	5 MP, 53° × 41° FOV
Digital Zoom	1-4x continuous
f-number	f/1.3
Focus	Manual
Image Frequency	30 Hz
Image Modes	Infrared, visual, MSX®, Picture-in-Picture
Non-radiometric IR video streaming	H.264 or MPEG-4 over Wi-Fi; MJPEG over UVC or Wi-Fi
Picture-in-Picture	Centered infrared area on the visual image
Radiometric IR video recording	Real-time radiometric recording (.csq)
Radiometric IR video streaming	Over UVC
Spectral Range	7.5 – 14.0 µm
Weight [incl lens]	1 kg (2.2 lbs)
MSX	Embosses visual details on full resolution thermal image
Non-Radiometric IR & Visual Video Recording	H.264 to memory card

MEASUREMENT & ANALYSIS

Measurement Presets	No measurement, center spot, hot spot, cold spot, 3 spots, hot spot-spot
Spot Meter	3 in live mode
Thermal Sensitivity	<0.04°C at 30°C (86°F), 24° lens

METER DATA

Display 4°, 640 × 480 pixel touch screen LCD with auto-rotation

OTHER

Shock and Vibration and Drop and Encapsulation 25 g / IEC 60068-2-27, 2 g / IEC 60068-2-6, IP 54 /IEC 60529; EN/UL/CSA/PSE 60950-1

PHYSICAL FEATURES

Dimensions (L x W x H) 278.4 × 116.1 × 113.1 mm (11.0 × 4.6 × 4.4 in)

POWER

Battery operating time Approx. 2.5 hours at 25°C (77°F) ambient temperature and typical use

Battery Type Li-ion battery, charged in camera or on separate charger

SHIPPING INFORMATION

Packaging Infrared camera with lens, battery (2 ea), battery charger, front protection, straps (hand, wrist), hard transport case, lanyards, lens caps, lens cleaning cloth, power supplies, 8 GB SD card, Torx wrench, cables (USB 2.0 A to USB Type-C, USB Type-C to USB Type-C, USB Type-C to HDMI)

STORAGE MEDIA

Image File Format Standard JPEG with measurement data included