

Specifications:

Image Performance

Detector Resolution	384x288
Thermal Sensitivity (N.E.T.D)	$\leq 0.05^{\circ}\text{C}@30^{\circ}\text{C}$
Spatial Resolution	1.3 mRad
Field of View (F.O.V)	$24^{\circ}\times 18^{\circ}$
Spectral range	7.5~14 μm
Focus Mechanism	Manual/Motor/Auto

Measurement

Temperature Range	$-20^{\circ}\text{C} \sim +650^{\circ}\text{C}$, up to $+1500^{\circ}\text{C}$ (Optional)
Accuracy	$\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of readings

Image Presentation

Image Mode	IR/ CCD /Duo-Vision/ Duo-Vision Plus/ PIP
Visible Pixels	HD 5MP Digital Camera
LCD Display	3.5" Capacitive Touch Screen
Frame Rate	50Hz / 60 Hz
Digital Zoom	1x to 10x, continuous
Colour Palettes	8 Palettes 8 moveable spot, Alarm, Auto hot/cold, 1 line profile, 5 areas box, centre
Measurement Tools	isotherm
Alarm	Alarm Yes, auto (above, below, equal)
File Format (Thermal/Visual)	JPG

Laser

Laser Type	Class 2, 1mW/635nm, red
Laser Ranging	Yes—Auto focus the camera
Measurement Range	0.05m—30m

Environmental

Encapsulation	IP54
Shock/Vibration Resistance	25G/2G
Operating Temperature	$-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$

Physical Characteristics

(Camera Body)

Weight	0.85KG
Dimensions	232mm×115mm×168mm

Additional Features

Battery	Battery Rechargeable Lithium Battery, and 1 extra Unit battery
Battery Life	8 Hours
Charging	In camera (AC Adapter or 12 V from a vehicle)
Video Record	Yes
Extra Feature	Capable Charge in Deive/Power Bank 10,000 mAh
Bluetooth	Yes
Real time transmission	USB real time transmission with temperature data (optional)