



E8

E8 N E8 TN E8 GN

E8 Series—affordable, compact and versatile



New design of upright style

Ergonomic design, low weight, compact size, convenient one-handed operation, large numbers of functions, great expandability, easy handling and impressive value for money the E8 series is probably the most desirable compact thermal imaging camera. The multi-functional dock integrating battery charging, video output and USB connection enables the E8 to connect with a PC for real-time radiometric data recording for analysis.

IR Duo



- 2.5 inch full color swivel-able LCD display;
- Ergonomic design, compact and handy;
- High performance/cost ratio: advanced thermal imaging technology with extremely competitive price;
- Removable SD card (2G), up to 16G;
- Li-ion battery pack enable 3 hour continuous operation;
- Various Optional lenses, field exchangeable;
- Brand new operating menu, friendly and easy to use;
- Real-time radiometric data transfer;
- Multi-functional dock with various interfaces;
- Professional software and USB real-time analysis software optional;

Ten languages

English/French/German/Italian/Spanish/Portuguese/Chinese/Japanese/Russian/Korean

Environmental correction

Emissivity /Distance/Ambient Temperature/ Humidity/ Reference Temperature

Bluetooth

Users can add voice annotation to the thermal image via Bluetooth, the recording can be saved with the thermal image and can be played back using the analysis software

USB2.0 thermal video recording in real time

E8 series can not only take thermal images, but also thermal video with the USB real-time software, thermal video can be transferred to the PC in real-time for analysis and playback

Analysis

Ten moveable Spots, Line profile analysis, five area analysis, Isotherm analysis

Six color plates

Iron/Iron Inverted/Rainbow/Feather/Grey/Grey Inverted

Duo vision

E8-TN/GN can take high quality "Duo vision" images, with four display modes; users can choose the most suitable mode for their application.



Type	E8-N	E8-TN	E8-GN
Image performance			
FOV/Min.focus distance	20° x15°/0.1m	20° x15°/0.1m	20° x15°/0.1m
Spatial resolution	2.2 mrad	2.2 mrad	2.2 mrad
Thermal sensitivity	≤0.08°C@30°C	≤0.08°C@30°C	≤0.08°C@30°C
Detector type	UFPA	UFPA	UFPA
Resolution	160 x120	160 x120	160 x120
Spectral range	8-14um	8-14um	8-14um
Focus	Manual	Manual	Manual
Image presentation			
Image mode	IR only	IR/CCD/Duo-vision	IR/CCD/Duo-vision
LCD Display	2.5" TFT screen	2.5" TFT screen	2.5" TFT screen
Digital camera	Not available	640 x 480 full color	640 x 480 full color
Viewfinder	N/A	N/A	N/A
Video output	NTSC (60Hz) or PAL (50Hz) composite video	NTSC (60Hz) or PAL (50Hz) composite video	NTSC (60Hz) or PAL (50Hz) composite video
measurement			
Measurement range	-20°C~250 °C	-20°C~250 °C	-20°C~250 °C
Accuracy	±2°C,±2% of readings	±2°C,±2% of readings	±2°C,±2% of readings
Correction	Emissivity, ambient temperature, distance, relative humidity	Emissivity, ambient temperature, distance, relative humidity	Emissivity, ambient temperature, distance, relative humidity
Measurement mode	1 movable spot, auto hot/cold spot	4 movable spots, auto hot/cold spot, isotherm	9 movable spots, auto hot/cold spot,
Delta T	Yes	Yes	Yes
Alarm	Yes	Yes	Yes
Image storage			

Type	2GB removable SD card	2GB removable SD card	2GB removable SD card
File format- Thermal	.SAT	.SAT	.SAT
File format- Visual	.CCD	.CCD	.CCD
Thermal video record	N/A	N/A	N/A
Annotation	No	No	Voice annotation via Bluetooth
Battery system			
Working voltage	DC 8V-11V	DC 8V-11V	DC 8V-11V
Battery operating time	2.5 hours	2.5 hours	2.5 hours
specification			
Operating temperature	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
range	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
Encapsulation	IP54	IP54	IP54
Shock (operational)	25G	25G	25G
Vibration (operational)	2G	2G	2G
Physical characteristic			
Weight	less than 500g(battery included)	less than 500g(battery included)	less than 500g(battery included)
Size	172mm x 80mm x 162mm	172mm x 80mm x 162mm	172mm x 80mm x 162mm
Tripod mounting	1/4" _20	1/4" _20	1/4" _20
Other			
Illuminator	No	Yes	Yes
Laser pointer	No	Yes	Yes
USB2.0 transfer realtime thermal data	No	No	Yes
Bluetooth	No	No	Yes
interface/GPS/Wifi	No	No	No
Available optional lenses	6.4°, 12°, 38°	6.4°, 12°, 38°	6.4°, 12°, 38°