



## DT-980B/980/980A/980L-8/980H/982/982H

980 (80x80), 982 (160x120) Thermal Imagers are designed to make your work easier, more productive and effective. 980 series have power auto fusion mode which is a dynamic image enhancement-algorithm for infrared cameras. 160 × 120 resolution at 50 Hz for real-time capture; Temperature range from -20° C to 650° C (-4° F to 1202° F), 32X continuous zoom, picture-in-picture, voice comment recording and text annotation on images. Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Wi-Fi connectivity allows the Infrared Thermal Camera to send images and data to mobile devices. share reports and critical information quickly



# FEATURE

<b>Product characteristics</b>	
High Resolution IR Images	19,200 pixels (160x120) Infrared resolution(982)
Visible Light Digital Camera	5 Megapixels Digital camera resolution with flash provides sharp images regardless of lighting conditions
Picture in Picture	Displays thermal image super-imposed over a digital image
LED Flashlight	Allows the visual camera and fusion to be used in poorly lit environments
Wide Temperature Range	From -20 to +650°C targeting electrical and industrial applications
±2% Accuracy	Reliable temperature measurement
Thumbnail view	Easy to view and analyze images quickly
Audio recorded with the video image	A speaker to listen to audio recorded with the video image
Li-Ion Rechargeable Battery	>4hrs continuous use; replaceable
HDMI	HDMI High resolution video output
Inside 100M Memory	About 80pictures or one minute video record
Copy to USB	Easy uploads images from camera to USB memory card
Area (Min/Max) Mode	Shows the Minumum or the Maximum Temperature reading in the selected area
Wi-Fi connectivity	Transfers images and data to mobile devices to share reports and critical information quickly (DT-980A/981B/981)
Auto Fusion mode	AUF is a dynamic image enhancement-algorithm for infrared cameras

<b>Specifications</b>					
	980B	980/980H	980A	980L-8	982/982H
<b>Imaging and optical data</b>					
IR resolution	80×80 pixels	80×80 pixels	80×80 pixels	80×80 pixels	160×120 pixels
Focal Plane Array (FPA) /Spectral range	Uncooled microbolometer / 8–14 μm				
Focal length	7.5mm	9mm	9mm	19mm	9mm
Field of View (FOV)	21x21°	17x17°	17x17°	8x8°	22.6x29.8°
Minimum focus distance				0.2m	
Spatial resolution	4.53mrad	3.77mrad	3.77mrad	1.78mrad	3.33mrad
Thermal sensitivity/NETD	< 0.08°C /80mK				
Image frequency	50Hz				
Focus	Manual				
Zoom	1-32x continuous, digital zoom				
<b>Image presentation</b>					
Image modes	IR image, visual image, picture in picture, AUF				
Picture in Picture	IR area on visual image				
Color palettes	IRON/Rainbow/Grey/Grey Inverted				
<b>Measurement</b>					
Object temperature range	-20 to 150°C (-4 to 302°F) 0 to 350°C (32 to 662°F) extended to -20 to 650°C (980H, 982H)				
Accuracy	±2°C (±3.6°F) or ±2% of reading				
<b>Measurement analysis</b>					
Spotmeter	Center Spot,Auto hot or cold markers				
<b>Set-up</b>					
Language selection	English, Chinese, French, German, Spanish				
<b>Storage of videos/images</b>					
Inside Memory / Storage media	100M bytes, 80pictures or one minute video record / 8G Micro SD card				
Video storage format	Standard MPEG-4, 1280x960@30fps, on memory card > 60 minutes				
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures				
<b>Digital camera</b>					
Built-in visible light digital camera	No	5Megapixels; 59°			
<b>Data communication interfaces</b>					
Interfaces &Video output	USB-micro, audio, HDMI				
USB	Data & Live video transform between camera and PC or smartphone				
<b>WIFI</b>					
Live video between device and PC	No	No	Yes	No	No
Transfer images and data to mobile	No	No	Yes	No	No

devices					
<b>Power system</b>					
Battery / Input voltage / Laser		Li-ion battery, 4 hours operating time / DC 5V / < 1mW			

**Accessories:**

Lens, Earphone(Optional), Battery, software CD-ROM, Wrist strap, micro SD card, Adaptor, USB cable & HDMI cable (Optional), Gift box.

