



## DT-9896/9870

640x480 High Performance Thermal Imager with high resolution TFT color LCD display. clear view from any angle under the sun. Built-in laser distance function. Picture in Picture function displays thermal image super-imposed over a digital image. Find problems faster and easier with accurately identify potential issues by combining digital and IR images. Equipped with standard video, USB outputs as well as a removable SD card.



## FEATURE

- 3.5" 640x480 Big brilliant touch screen,clear view from any angle under the sun
- 640x480 High Performance Thermal Imager with high resolution TFT color LCD display
- Built-in laser distance function
- Capture additional measurements fast and conveniently with wireless modules
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Picture in Picture function displays thermal image super-imposed over a digital image
- LED Flashlight allows the visual camera and fusion to be used in poorly lit environments
- $\pm 2\%$  Accuracy for reliable temperature measurement
- An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Powerful Auto Fusion mode(AUF)
- Equipped with standard video, USB outputs as well as a removable SD card.

## Accessories:

Carrying case, 7.5mm lens, Sun Visor, Tripod base, AC charger/Power supply, Battery, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.

<b>Specifications</b>			
		<b>9896</b>	<b>9897</b>
<b>Imaging and optical data</b>			
<b>IR resolution</b>	<b>focal plane array (FPA), uncooled microbolometer</b>	*	*
<b>Field of View (FOV)</b>	<b>29.8° x 22.6°</b>	*	*
<b>Spatial resolution</b>	<b>(IFOV)</b>	*	*
<b>Thermal sensitivity/NETD</b>	<b>&lt; 0.05°C @ +30°C (+86°F) / 50 mK</b>	*	*
<b>Image frequency</b>	<b>50Hz</b>	*	*
<b>Focus</b>	<b>Manual</b>	*	*
<b>Laser range finding function</b>	<b>0.05 to 30m(0.15ft to 98ft) Typically: ±2mm(±0.06in)</b>	*	*
<b>Image presentation</b>		*	*
<b>Display</b>	<b>3.5" 640x480TFT , capacitive touch screen</b>	*	*
<b>Image modes</b>	<b>IR image, visual image, picture in picture, AUF,Distance</b>	*	*
<b>Color palettes</b>	<b>IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, hot-cold, Feather, Above alarm, Below alarm, Zone alarm, vision zone</b>	*	*
<b>Measurement</b>		*	*
<b>Object temperature range</b>	<b>Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +650°C (+32°F to +1202°F) Extend to 1500°C (2732°F) (optional)</b>	*	*
<b>Accuracy</b>	<b>±2°C (±3.6°F) or ±2% of reading</b>	*	*
<b>Measurement analysis</b>		*	*
<b>Emissivity adjustable</b>	<b>0.01~1.0 Adjustable</b>	*	*
<b>Automatic hot /cold detection</b>	<b>Auto hot or cold spotmeter marks line analyse,area analyse</b>	*	*
<b>Set-up</b>		*	*
<b>Laser / floodlight</b>	<b>&lt; class2 / white LED floodlight</b>	*	*
<b>Language selection</b>	<b>English, Chinese, French, German, Spanish</b>	*	*
<b>Storage of videos/images</b>		*	*
<b>Storage media</b>	<b>16G bytes Micro SD card</b>	*	*
<b>Video storage format</b>	<b>Standard MPEG-4, 640x480@30fps, on memory card &gt; 60 minutes</b>	*	*
<b>Digital camera</b>		*	*
<b>Built-in visible light digital camera</b>	<b>5M Pixels</b>	*	*
<b>Data communication interfaces</b>		*	*

<b>USB interfaces</b>	<b>USB-micro, data transform between camera and PC remote control, live video</b>	*	*
<b>Wi-Fi connectivity</b>	<b>Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video</b>	*	*
<b>Power system</b>		*	*
<b>Battery</b>	<b>Lithium polymer battery, 4 hours operating time</b>	*	*
<b>Input voltage</b>	<b>DC 5V</b>	*	*
<b>Charging system</b>	<b>In camera (AC adapter)</b>	*	*