DT-9896/9897/9898/9899/9895Y/9896Y/9897Y
Professional Thermal Imagers with Laser range finding function

CEM

Icon	Description
640x480 3.5" capacitive touch screen	
AUF	Auto Fusion mode (AUF)
Wi-Fi Connectivity	
Large aperture lens	
1500°C	Temperature range up to 1500°C
Laser distance measurement	
50mk	NETD 50mk
Professional analyse software	
5M visible light digital camera	
IP54	IP54

Specifications		9895Y	9896/9896Y	9897/9897Y	9898	9899
Imaging and optical data						
IR resolution	Focal plane array (FPA), uncooled microbolometer	80x80	160x120	384x288	640x480	1024x768
Field of View (FOV)	29.8° × 22.6°	17°x17°	17.3°x13°	17°x12.7°	28.3°x21.2°	20°x15°
Spatial resolution	(IFOV)	3.77mrad	1.89mrad	0.77mrad	0.51mrad	0.51mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK	*	*	*	*	*
Image frequency	50Hz	*	*	*	*	*
Focus	Manual	*	*	*	*	*
Laser range finding function	0.05 to 30m(0.15ft to 98ft)，Typically: ±2mm(±0.06in)	*	*	*	*	*
Image presentation						
Display	3.5" 640x480TFT , capacitive touch screen	*	*	*	*	*
Image modes	IR image, visual image, picture in picture, AUF, Distance	*	*	*	*	*
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, hot-cold, Feather, Above alarm, Below alarm, Zone alarm, vision zone	*	*	*	*	*
Measurement (Temp. screening mode for 9895Y/9896Y/9897Y)						
Object temperature range	Screening mode:32°C to 42°C(−89.6°F to +107.6°F)	*	-/*	-/*		
	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)	*	*	*	*	*
Accuracy	Screening mode:±0.5°C (±0.9°F)in 32°Cto42°C ±2°C (±3.6°F) or ±2% of reading in −20°C to 650°C	*	*	*	*	*
Screening temperature range	32°C~42°C	*	-/*	-/*		
Temperature measurement accuracy	±0.5°C (32~42°C, Screening mode) ±2°C, Normal temperature measurement range	*	-/*	-/*		
Blackbody	Blackbody correction support,±0.3°C (±0.54°F) accuracy	*	-/*	-/*		
Measurement analysis						
Face tracking	Intelligent face tracking, detect 10 faces at the same time	*	-/*	-/*		
Hot spot track	Hot spot track in face area and High temperature alarm	*	-/*	-/*		
HDMI	Connect to TV through HDMI with video and alarm voice	*	-/*	-/*		
Emissivity adjustable	0.01~1.0 Adjustable	*	*	*	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks line analyse,area analyse	*	*	*	*	*
Set-up						
Laser / floodlight	< class2 / white LED floodlight	*	*	*	*	*
Language selection	English, Chinese, French, German, Spanish, Japanese, Korean, Portuguese, Italian	*	*	*	*	*
Storage of videos/images						
Storage media	8Gbytes Micro SD card	*	*	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*	*	*
Digital camera						
Built-in visible light digital camera	5M Pixels	*	*	*	*	*
Data communication interfaces						
USB interfaces	USB-micro, data transform between camera and PC	*	*	*	*	*
	remote control, live video	*	*	*	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	*	*	*	*	*
Power system						
Battery	Lithium polymer battery, 4 hours operating time	*	*	*	*	*
Input voltage	DC 5V	*	*	*	*	*
Charging system	AC adapter	*	*	*	*	*

Size(HxWxD): 268mm x 100mm x 125mm   **Weight:** 820g

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

Intelligent Face Detector with Temperature Screening
• Over 37.3°C automatic snap alarm
• 20ms rapid temperature measurement