







DT-987/988/9886/9887

Advanced Thermal Imagers



988 Series new generation advanced Thermal Imagers are compact design with powerful Auto Fusion mode(AUF), AUF is a dynamic image enhancement-algorithm for infrared cameras. 988 Series are easy to help you to find the potential problems with innovation features and powerful Apps.



- 
 640x480 3.5"
capacitive touch screen
- 
 Auto Fusion
mode (AUF)
- 
 Wi-Fi
Connectivity
- 
 650°C
temperature
range
- 
 2M visible light digital
camera
- 
 IP54

Model 9887

Specifications		987	988	9886	9887
Imaging and optical data					
IR resolution	Focal plane array (FPA), uncooled microbolometer	160x120	160x120	256x192	384x288
Field of View (FOV)	29.8° × 22.6°	21°x15.6°	20.7°x15.6°	40.2°x30.1°	41.5°x31.1°
Spatial resolution (IFOV)		2.26mrad	1.88mrad	2.74mrad	1.89mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK	*	*	*	*
Image frequency	50Hz	25Hz	*	*	*
Focus	Manual	*	*	*	*
Image presentation					
Display	3.5" 640x480 touch screen	*	*	*	*
Image modes	IR image, visual image, picture in picture, AUF	*	*	*	*
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, hot-cold, Feather	*	*	*	*
Measurement					
Object temperature range	Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +650°C (+32°F to +1202°F)		*	*	*
Accuracy	0°C to +450°C (+32°F to +842°F) ±2°C (±3.6°F) or ±2% of reading	*	*	*	*
Set-up					
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*	*	*
Language selection	English, Chinese, French, German, Spanish, Japanese, Korean, Portuguese, Italian	*	*	*	*
Storage of videos/images					
Storage media	4Gbytes eMMC or 8GB SD card	*	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*	*
Digital camera					
Built-in visible light digital camera	2M 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	In camera (AC adapter)	*	*	*	*

Size(HxWxD): 228mm x 100mm x 98mm Weight: 520g

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