DX-Series

DX-300 & DX-600 Handheld Thermal Camera

SATIR are pleased to announce the release of the DX-Series, an industrial handheld thermal camera series. In the series we have the DX-300 which is a mid level thermal camera as it has 384x288 IR resolution and the DX-600 which is performance level cameras as it has 640x480 IR resolution.

The temperature range for both models is -20°C~+650°C, with an optional range of up to +2000°C available upon request. They have 10 colour palettes and a range of measurement tools such as 10 points, 10 boxes and 5 lines. To capture all the video and images the two models have a 32GB removable SD Card.

Key Features

- 5"TFT touch screen

- 5MP visual camera

- Better performance with ±2°C accuracy

- IR image/Visual image/PIP/Fusion/MIF

- Professional analysis software

- Optional lens:48°/12°16°

- Android App

DX-Series Specifications

Model	DX-300	DX-600
Detector type	FPA, Uncooled Microbolometer with Amorphous silicon or VOX material	
IR Resolution	384x288	640x480
Thermal Sensitivity/NETD	<40 mkC@30°C (+86°F)	
Spectral Range	7.5~14µm	
Field of View	24°×18°	
Spatial resolution (IFOV)	1.31mrad	0.66mrad
Focal Length	13mm	18mm
Focus	Manual/electric/automatic	
Minimum Focus distance	0.5m	
Optional lens	48°/ 12°/ 6°	
Image frequency	30 Hz	
Image Display		
Display	4.3" sunlight visible touch screen	5"sunlight visible touch screen
Display resolution	800x480	
Colour Palettes	10 colour modes	
Visible camera	5MP with LED photo lamp	
Digital zoom	1-8x	
Measurement & Analysis		
Object temperature range	-20°C~+650°C, Up to +2000°C(optional)	
Temperature measurement accuracy	±2°C or 2% of readings	
Analysis tools	3 spotmeter, 3 boxes, 5 lines, Center Spot, Hot/Cold	10 spotmeter, 10 boxes, 5 lines, Hot/Cold
Tracking function	Highest temperature spot auto tracking	
Image storage And Transmission		
Storage Media	32G removable SD card	
Thermal image format	Standard JPEG, including measurement data, on memory card	
Thermal video format	Real-time radiometric recording(.irv)/.H264	
Video output interface	Micro HDMI	
Video Record	Support	
Wi-Fi	Support, support preview SD card pictures through Wi-Fi	
Laser distance	Position is automatically displayed on the infrared image	
GPS	Support, Location data automatically added to every still image and the first frame in video	
Features Mode	Auto shutdown & Sleep mode	
Alarm mode	Automatic acousto-optic alarm for set temperature value/above/below	
Power System		
Battery type	Detachable rechargeable lithium battery	
Battery Operating Time	>3 Hours	
Charging System	AC adapter universal 220 Vac, 50 Hz	
Charging mode	Two-socket charger or 12V car charge	

DX-Series Specifications

Environmental	
Protection level	IP54 (IEC 60529)
Operation temperature	-20°C~55°C
Physical Characteristics	
Weight	1.25kg(battery included)
Size	272x135x136mm
Others	
Accessories	Hardcase, Handstrap, Bluetooth Mic, Cables, Adaptor, Manual Book, Software SATIR Report Pro