



DX-Series

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-600 which is a mid level thermal camera as it has 640x480 IR Resolution.

The temperature range for both models is $-20^{\circ}\text{C}\sim+650^{\circ}\text{C}$, with an optional range of up to $+2000^{\circ}\text{C}$ available upon request. They have 10 colors 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 $\pm 2^{\circ}\text{C}$ accuracy
- IR image/Visual image/PIP/Fusion/MIF
- Professional analysis software
- Optional lens : $48^{\circ}/12^{\circ}/6^{\circ}$
- Android App

DX-Series Specifications

Model	DX-600
Detector type	FPA, Uncooled Microbolometer with Amorphous silicon or VOX material
IR Resolution	640x480
Thermal Sensitivity/NETD	< 0.04°C @ +30°C
Spectral Range	7.5 – 14 μm
Field of View	24°x18°
Spatial resolution (IFOV)	0.66 mrad
Focal Length	18mm
Focus	Manual, electric, automatic
Minimum Focus distance	0.5m
Image Mode	IR image/Visual image/PIP/Fusion/MIF
Optional lens	48°/ 12°/ 6°
Image frequency	30Hz
Image Display	
Display	Built in Touch screen 5"
Display resolution	800x480
Colour Palettes	10 Pallete
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	10 spotmeter, 10 box area Auto hot/cold 5 profile line Highest temperature spot auto tracking
Tracking function	Highest temperature spot auto tracking
Measurement Correction	Emissivity, Reflected temperature, relative humidity, object distance, offset temperature and atmospheric transmission / ambien
Image storage And Transmission	
Storage Media	32G removable SD card
Thermal image format	Standard JPG/PNG, including measurement data, on memory card 32GB removable
Thermalvideo 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	Li Ion
Battery Operating Time	>3 Hours
Charging System	AC adapter universal 220 Vac, 50 Hz
Charging mode	Two (socket charger or 12V car charge)
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 (full version)
Warranty	2 years

Please be aware specifications can vary from time to time

TELE LENS 6°



SATIR Europe TELE LENS 6°x4.5° FOR DX-Series	
Field of view (FOV)	6°x4.5°
Focus distance	5.0 M (16,4 ft.)
Focal Length	70 mm (2.8 in.)
Lens Identification	Automatic
Spatial resolution (IFOV)	0.17 mrad/pixel
F-number	F1.0
Number of lenses	3
MTF @70% of FOV	0.8F≥0.20@30lp/mm
Distortion	< 1%
Weight	420g
Size (LxD)	φ88*80.3mm
Accessories	Lens mounting Instructions, Lens case, Front lens cap, Rear Lens cap, calibration (optional)