

DX-Series



DX-300 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.

The temperature range for both models is -20°C ~ $+650^{\circ}\text{C}$, with an optional range of up to $+2000^{\circ}\text{C}$ available upon request. They have 10 colours palettes and a range of measurement tools such as 3 points, 3 boxes and 5 lines. To capture all the video and images the two models have a 32GB removable SD Card.



Key Features

- 4,3"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-300
Detector type	FPA, Uncooled Microbolometer with Amorphous silicon or VOX material
IR Resolution	384x288
Thermal Sensitivity/NETD	<40 mk @30°C (+86°F)
Spectral Range	7.5~14μm
Field of View	24°×18°
Spatial resolution (IFOV)	1.31mrad
Focal Length	13mm
Focus	Manual/electric/automatic
Minimum Focus distance	0.3m
Image Mode	IR image/Visual image/PIP/Fusion/MIF
Optional lens	48°/ 12°/ 6°
Image frequency	30Hz
Image Display	
Display	Built in touch screen 4.3" LCD
Display resolution	800x480
Colour Palettes	10 colour modes
Visible camera	5MP with LED photo lamp
Digital zoom	1 - 4x continuous
Measurement & Analysis	
Object temperature range	-20°C~+650°C, Up to +2000°C(optional)
Temperature measurement accuracy	±2°C or 2% of readings, object temperature above 0°C
Analysis tools	3 spotmeter, 3 boxes, 5 lines, Center Spot, 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-ion battery
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, Hand strap, Bluetooth Mic, Cables, Adaptor, Manual Book, Software SATIR Report Pro

Please be aware specifications can vary from time to time