DX-300

DX-300 Handheld Thermal Camera



SATIR are pleased to announce the release of the DX-300, an industrial handheld thermal camera series. the DX-300 which is a mid-level thermal camera as it has 384x288 IR resolution.

The temperature range for the model is -20°C~+650°C, with an optional range of up to +2000° C available upon request. This has 10 colour palettes and a range of analysis tools such as, 10 movable spots, 10 boxes and 5 lines, Average temp, Max temp, Min temp. To capture all the video and images the model has a 32GB removable SD Card.



Key Features

- 4.3"TFT touch screen
- 5MP visual camera
- Better performance with ±2°C accuracy
- IR image/Visual image/PIP/Fusion/IMIF
- Professional analysis software
- Optional lens: 48°/12°/6°
- Android App

DX-300 Specifications

Model	DX-300
Detector type	FPA, Uncooled Microbolometer with Amorphous silicon or VOX material
IR Resolution	384x288
Thermal Sensitivity/NETD	<40 mkC@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	0.15m
Optional lens	48°/ 12°/ 6°
Image frequency	30 Hz
Image Display	
Display	4.3" sunlight visible touch screen
Display resolution	800x480
Colour Palettes	10 colour modes
Visible camera	5MP with LED photo lamp
Digital zoom	1x ,2x ,4x ,8x.
Measurement & Analysis	
Object temperature range	-20°C~+650°C, Up to +2000°C(optional)
Temperature measurement accuracy	±2°Cor 2% of readings
Measurement Correction	Emissivity, reflected temperature, relative humidity, object distance, offset temperature, ambient temperature
Analysis tools	10 movable spots, 10 boxes and 5 lines, Average temp, Max temp, Min temp
Tracking function	Highest temperature spot auto tracking
Image storage And Transmission	
Storage Media	32G removable SD card
Thermal image format	Standard JPEG/JPG/PNG
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-300 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