

SATIR D300 New Version

Performance Level Thermal Camera



The all-new SATIR D300 signifies a paradigm shift in user-centric thermal imaging technology. This innovative device prioritises intuitive operation while delivering exceptional image quality. The high-resolution 384x288 detector ensures the capture of crisp, detailed thermal images, empowering users to make informed decisions with confidence.

Furthermore, the integrated laser ranging feature eliminates the need for manual focusing, automatically achieving a sharp and focused image on the target of interest. The D300 further elevates image clarity through the implementation of groundbreaking Duo Vision Plus technology, which uses a digital overlay to create exceptionally clear thermal views.

Finally, the D300 incorporates a user-friendly touchscreen interface that seamlessly integrates with Duo Vision Plus for effortless auto-focusing. This combination of intuitive design and advanced features empowers professionals of all experience levels to achieve optimal results.



Key Features

- Digital Zoom
- IR/ Digital/Duo-Vision/Duo Vision Plus
- Laser Pointer
- 8 Hours Battery Life
- Adaptable LCD Display
- Easy to use interface
- 10MP High Definition Camera

D300 Specifications

Image Performance	
Detector Resolution	384x288
Super Resolution	Support,768x576
Thermal Sensitivity (N.E.T.D)	≤0.03°C@30°C
Spatial Resolution	1.13 mRad
Field of View (F.O.V)	24°x18°
Spectral range	7.5~14µm
Focus Mechanism	Manual/Motor/Auto
Measurement	
Temperature Range	-20°C ~ + 650°C, up to +1500°C (Optional)
Accuracy	±1°C or ± 1% of readings (-20°C ~ + 150°C) ±2°C or ± 2% of readings
Image Presentation	
Image Mode	IR/ CCD /Duo-Vision/Duo-Vision Plus/ PIP
Visible Pixels	HD 10MP Digital Camera
LCD Display	3.5" Capacitive Touch Screen
Frame Rate	50Hz /60 Hz
Digital Zoom	1x to 10x, continuous
Colour Palettes	10 Palettes
Measurement Tools	10 moveable spot, Alarm, Auto hot/cold, 5 line profile, 10 areas box, centre spot, isotherm
Alarm	Alarm Yes, auto (above, below, equal)
File Format (Thermal/Visual)	JPG
Laser	
Laser Type	Class 2, 1mW/635nm, red
Laser Ranging	Yes
Measurement Range	0.05m—30m
Environmental	
Encapsulation	IP54
Shock/Vibration Resistance	25G/2G
Operating Temperature	-20°C ~ +50°C
Physical Characteristics (Camera Body)	
Weight	1.1Kg (including batteries)
Dimensions	232mm×115mm×168mm

D300 Specifications

Additional Features	
Battery	Lithium-ion battery, 3.7V, 9000mAh
Battery Life	≥5 hours (normal temperature)
Charging	Type-C 5V
Video Record	Yes, non-radiometric and radiometric video
Bluetooth	Yes
WIFI	Yes
GPS	Yes
QR Code Scan	Yes
Wireless Screen Projection	Yes
Optional Lens	7/12/48 deg lens