

Thermal Imager Ti300F

384X288 Detectors



Infrared Detectors (Pixels): 384 X 288

The expansive 3.5-inch display provides a clear view of details, enabling precise control of critical information.

Features IR-Perfclear real-time super resolution technology for 4x image quality enhancement.

Up to 650°C Measurement Range

Certified for 2-meter drop resistance. Unfazed by rain, high temperatures, or harsh conditions.



Thermal Imager Ti300F

384X288 Detectors



Specifications STEK Ti300F

Imaging And Optics

Detector type	VOx, 7.5 to 14µm
Infrared resolution	384×288@12µm
Super resolution	Yes, Upgrade to 768×576
NETD	25mK
Frame rate	30Hz/9Hz
Focal length	7mm
Field of view	37°×28°
IFOV	1. 8mrad
Min. object distance	0.3m
D:S	588:1
Focusing mode	Focus-free

Measurement And Analysis

Measurement range	Support auto-switching: -20°C to 150°C, 0°C to 650°C
Measurement accuracy	±2°C or ±2%, whichever is greater
Analyzed target	Center spot; Three Fixed Areas: Small, Medium, Large (Alternative)
Alarm	Full screen temperature threshold alarm (image and flash)

Image And Display

Display screen	3.5" LCD , 640×480
Image mode	IR, VIS, MIF, PIP
Color palettes	6: Iron Red, White Hot, Arctic, Rainbow 2, Hot Iron, Rainbow 1
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual
Digital camera	2MP

Functions

Laser	Laser Indication
Recording function	Photo and Video

Storage And Transmission

Storage media	Built-in (32 GB)
Image storage	JPG with temp info
Video storage	Supports real-time video streaming, video storage format in Irgd (with temp info)
External interface	USB-C, Tripod socket
WIFI	Yes, it can be connected to the mobile terminal for image and real-time video transmission

Power System

Battery type	Rechargeable lithium-ion battery, non-removable
Operating time	10 hours

Environmenta Parameters

Working temperature	-15°C to 50°C
IP rating	IP54
Drop	2m drop test

Physical Parameters

Hardware	Illuminator
Weight	460g
Size	228×81×77.5mm
Software kit	PC: STEK ThermoTools; Mobile: STEK FocusIR (iOS/Android)
Standard	A device, Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Quick Start Guide, Warranty card, NABL Traceable Calibration Certificate, Carrying bag
Options	Macro lenses (10x/5x), Tripod, Additional Micro Lens to View minute Components

