

Thermal Imager Ti200F

256 X 192 Detectors



Infrared Detectors (Pixels): 256 X 192

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 550 °C Measurement Range

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

Electrical Panel/Motor

46.1°C

Substation / Switchyard

Furnaces

296.2
258.0
169.6
296.2
238.4
95.8

PCD/Electronics

44.0°C

Rotary Kiln

Thermal Camera

FC RoHS
EAC

256x192
FC RoHS
EAC



Thermal Imager Ti200F

256 X 192 Detectors



Specifications STEK Ti200F

Imaging And Optics

Detector type	VOx, 7.5 to 14µm
Infrared resolution	256X 192 @ 12µm
Super resolution	Yes Upgrade to 512 X 284
NETD	30mK
Frame rate	30Hz/9Hz
Focal length	3.2mm
Field of view	56° X 42°
IFOV	3.75mrad
Focal Length	3.2mm
Optical Resolution(D:S)	266:1
Min. object distance	0.3m
Focusing mode	Focus-free (Auto)

Measurement And Analysis

Measurement range	Support auto-switching: -20°C to 150°C , 0°C to 550°C
Measurement accuracy	±2°C or ±2%, whichever is greater
Emissivity	Digitally Adjustable from 0.1 to 1.00
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 Visual camera	Yes

Functions

Laser	Laser Indication
Recording function	Photo and Video

Storage And Transmission

Storage media	Built-in (16 GB), Can store up to 60000 images OR Video recording of 54 hours
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
Operating time	10 hours

Environmenta Parameters

Working temperature	-15°C to 50°C
IP rating	IP54
Ambient Humidity	Can operate within 5% to 95%Rh non condensing

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 Cable with USB-A to USB-C Converter, Quick Start Guide, Warranty card, NABL Traceable Calibration Certificate, Carrying bag
Options	Macro lenses (10x/5x), Tripod



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.

Electrical Panel/Motor

46.1°C

Substation / Switchyard

Furnaces

296.2
258.0
169.6
296.2
238.4
95.8

PCD/Electronics

44.0°C

Rotary Kiln



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

Environmental 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

