

25 Years Of Industrial Infrared Temperature Measurement



STEK Ti 401 Pro / Ti480 Pro

Thermal Detectors:

384 X 288 & 640 X 480

Super Pixel Function:

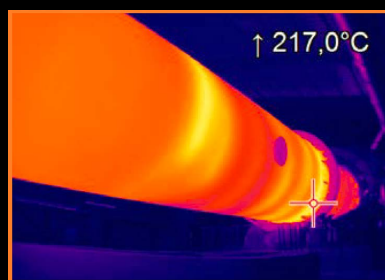
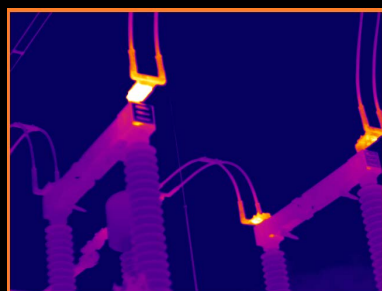
768 X 576 & 1280 X 960

Field Of View:

<https://stek.in/field-of-view-calculator>



Truly Professional For Experts !



Items		Parameter	
Detector	Type	Uncooled focal plane micro-thermal	
	Model	Ti401 Pro	Ti480 Pro
	Resolution	384×288	640×480
	Wavelength range	8~14um	
	Thermal sensitivity	≤0.025 °C	
	Frame rate	50/60Hz	
Lens	Lens	Automatic Identification	
	Focusing method	Manual/electric/automatic	
	FOV	25°×19°	
	Focusing range	0.1m~∞	
Display	Monitor	4 inch TFT LCD, Color, with capacitive touch screen	
	Resolution	640×480	
	Backlight	High brightness sunlight screen	
	Palette (pattern)	11 color codes can be selected	
	Image adjustment	automatic / manual	
Image	Spatial resolution	1.12mrad	0.67mrad
	Super pixel function	768×576	1280×960
	Display method	Infrared, visible light, picture-in-picture, dual-band fusion image (DSIE)	
	Digital zoom	1~4x	
	Visible light camera	500 million pixels	
	Video output	HDMI	
	Anchor point display	Laser positioning points are displayed on the image	
Storage	Memory	TF card	
	Video recording	Yes, the general video format storage of this machine, timing storage can be set, support infrared, visible light, fusion mode	
	Image storage	Yes, infrared image JPEG format, with infrared temperature data; visible light, fusion JPEG format storage	
	Note	60-second voice recording, stored with the image, optional text annotation	
Measurement	Temperature range	-20°C~+650°C, can be extended to 1500°C	
	Temperature accuracy	±2°C or ±2% of measured value, whichever is greater	
	Temperature measurement mode	Real-time 4 movable points (the hottest and coldest points are independent), 3 movable areas (the highest temperature, the lowest temperature capture, average temperature measurement), line temperature measurement, isothermal analysis, temperature difference measurement, temperature alarm (sound, color)	
	Temperature correction	Automatic (short time, long time, custom) / manual	
	Atmospheric window correction	Corrected according to infrared window transmittance	
	Atmospheric transmittance correction	Automatic, according to the input target distance, relative humidity, ambient temperature	
	Background temperature correction	Automatically correct according to the entered temperature	
	Emissivity correction	The emissivity is adjustable from 0.01 to 1.0 (in increments of 0.01), or the emissivity can be corrected through a predefined material emissivity meter	
Power system	Battery	Rechargeable lithium battery, replaceable	
	Battery working time	4 hours	
	Battery charging time	Fast charging function (external charger), can be charged randomly	
	Power management	Automatic sleep, automatic shutdown	
Physical characteristic	Overall size	W116×D175×H278mm	
	Total Weight	≤1.1kg (including battery)	
	Handrail tripod	Yes, can be installed on both sides 1/4"-20-UNC	
Interface	Memory card slot	TF card connector	
	Data interface	Mini-USB Type C, picture/video transmission	
	Video interface	Micro-HDMI	
	Power connector	Mini-USB Type C	

Others	Laser	Laser rangefinder
	Fill light	2 LED
	Microphone	Yes
	Buzzer	Yes
	WiFi	Real-time image transmission, can be operated through the mobile APP control menu, stored images can be analyzed to generate reports, applicable to Android & ios systems
	Bluetooth module	Audio output/input (Bluetooth headset)
	GPS	Yes
	Electronic compass	Yes
	Set up	Date/time, temperature unit °C/°F/K, language, LCD backlight, IP address
Environmental parameter	Operating temperature	-15°C~+50°C
	storage temperature	-40°C~+70°C
	Humidity	≤95% non-condensing
	Protection level	IP54
	Vibrate	2g, GB/T2423.10 (IEC60068-2-6)
	Rush	30g, GB/T2423.5 (IEC60068-2-27)
	Fall	2m, GB/T2423.8 (IEC60068-2-32)
Security	Performance	GB/T19870-2005
	Safety	GB4943.1-2011
	EMC	Meet CE requirements
	RoHS	2011/65/EC
	Laser	IEC60825-1-2014

ACCESSORIES SUPPLIED:

- Infrared Camera STEK Ti400 Pro OR Ti600 Pro
- Two Numbers of Rechargeable Battery
- Battery Docking Station
- Charger
- Memory Card
- Professional Analysis and Reporting Software
- Rugged Hard Carrying Case

IR Reporter Analysis & Reporting Software

