

STEK POCKET SERIES PTi256

High performance compact thermal imaging camera for professionals.



STEK Pocket Series PTi is equipped with a high-resolution 256 X 192 detector, an 8 MP optical camera, and a 3.5" LCD touch screen. It helps you quickly and efficiently locate the hidden problems and accurately measure abnormal temperature. The wide temperature range of -20°C to 400°C is ideal for building inspection, HVAC, electrical, and mechanical equipment maintenance. The 25 Hz frame rate keeps up with fast inspections, and the Wi-Fi function allows the Pocket to share images in real time. The Pocket Series is a powerful thermography tool in your pocket, so it is always there whenever you need it.

Key Features

- IR resolution: 256 × 192 (49, 152 pixels), NETD: < 40 mK (@ 25°C, F# = 1.0)
- Support SuperIR Image enhancement technology on captured images and live-view
- Accurately measure temperature from -20°C to 400°C (-4°F to 752°F)
- Accuracy: Max. ($\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}$, $\pm 2\%$)
- 25 Hz image frequency
- Thermal, Fusion, PIP, Visual, and Blending modes
- Manual, automatic, and 1-Tap level and span
- High temperature alarm
- Built-in 16 GB memory
- LED work light
- 8MP visual camera
- Up to 4 hours continuous running

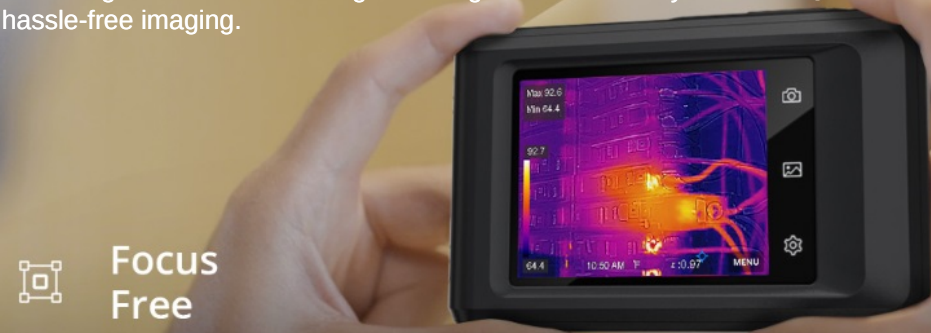


Wide FOV



The STEK PTi256 offers a wide 50° × 37.2° field of view (FOV) and 1.0x to 4.0x continuous digital zoom, allowing you to capture larger areas with more details effortlessly without adjusting the focal length. It's a convenient grab-and-go device for easy and hassle-free imaging.

50° × 37.2°



 **Focus Free**

 **1.0x to 4.0x continuous Zoom**



Professional Yet Free Software
Connect your camera to the STEK Viewer App wirelessly for instant file transfer to your phone. Analyze, share, and generate reports on-site. Use STEK Analyzer for PC (Windows) to batch-analyze radiometric IR images and videos, support Pocket2 live projection, and create professional reports and custom templates.



 **Approx. 218 g**
(0.481 lb)

 **138.5 × 85.2 × 23.6 mm**
(5.45 × 3.35 × 0.93 in)

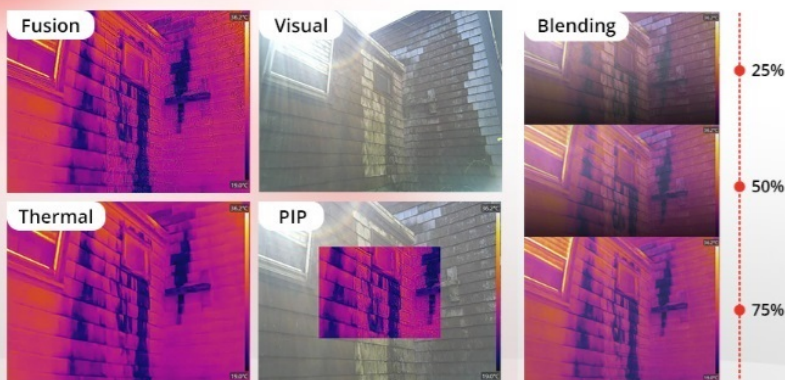


Innovative Macro Mode

Using an extra clip-on macro lens and desk stand bracket, the PTi256 thermal camera can see details as small as 100 microns stably and take accurate temperature readings on small objects, such as components on printed circuit boards or assemblies.



Macro Lens



Dual Thermal-Visible Camera

The STEK PTi256 features both an IR camera and a visible camera, enabling you to switch between multiple image modes (Thermal, Visual, PIP, Fusion, or Blending) and save visual and thermal images simultaneously with just one click, providing clear reference images. This ensures an efficient workflow and fast inspection report.

The STEK PTi256 is an essential tool for fast troubleshooting in HVAC, electrical, and mechanical fields. It identifies central, maximum, and minimum temperature values and provides instant alerts for exceeding predefined thresholds, enhancing safety and minimizing downtime.



Cold Spot



Hot Spot



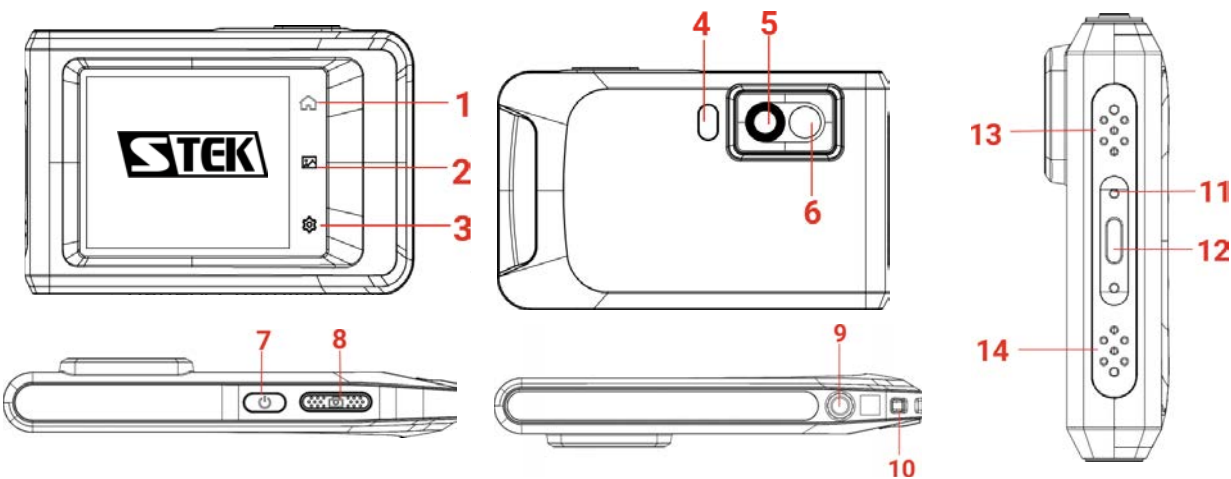
Center Spot



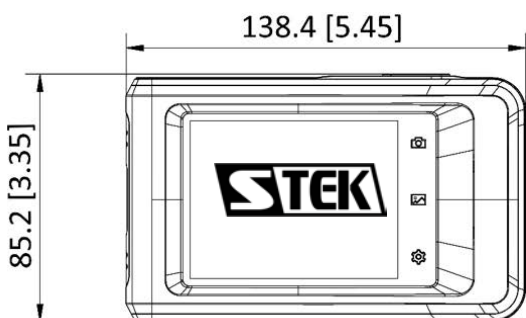
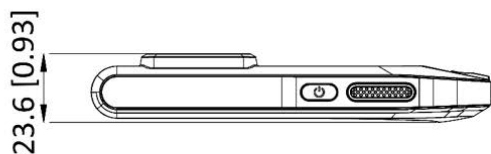
Sound Alerts
info@stek.in



Flashlight Alerts



- 1 Home Key Tap to return to the live view interface
- 2 File Key Tap to enter albums.
- 3 Settings Key Tap to enter settings interface.
- 4 Flash Light Fill light on objects and output flashing alarm.
- 5 Thermal Lens View the thermal image.
- 6 Visual Lens View the visual image.
- 7 Power Key: Hold: Power on/off the device.;Press: Manual sleep/Wake up the device.
- 8 Capture Key In live view: Press: Capture snapshots/stop recording.
Hold: Start recording.In menu mode: Return to the live view interface.
- 9 Tripod Mount Mount the tripod.
- 10 Strap Attachment Point, Mount the strap.
- 11 Indicator Indicate the charging status of the device.
Solid red: charging normally; Flashing red: charging exception; Solid green: fully charged
- 12 Type-C Interface Charge the device or export files with the supplied USB cable.
- 13 Buzzer Output audible alarm



Optional Accessories:

Unit: mm [inch]



ST-P201- MACRO
Thermography Camera
Macro Lens



ST-AHBR02
Pocket/Mini Series
Desktop Stand Bracket



Infrared Image

IR Resolution	256 × 192 (49, 152 pixels)
SuperIR	Yes, on captured images and live view
NETD	< 40 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Type	Focal plane array, uncooled microbolometer
Detector Pitch	12 µm
Spectral Range	7.5 to 14 µm
Focal Length	3.5 mm
F-number	F1.1
Field of View (FOV)	50° × 37.2°
Spatial Resolution (IFOV)	3.43 mrad
Min. Focus Distance	0.3 m (0.98 ft)
Focus Mode	Focus Free

Image Display

Visual Camera	3264 × 2448 (8 MP)
Display	640 × 480 Resolution, 3.5" LCD Touch Screen with auto-rotation
Screen Brightness	Manual
Digital Zoom	1.0x to 4.0x continuous
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red
Image Modes	Thermal/Visual/Fusion/PIP/Blending

Measurement And Analysis

Object Temperature Range	-20°C to 400°C (-4°F to 752°F)
Accuracy	Max (±2°C/3.6°F, ±2%), for the ambient temp. 15°C to 35°C (59°F to 95°F) and object temp. above 0°C (32°F)
Measurement Tools	Center Spot, Hot Spot, Cold Spot, Create Box with MAX/MIN Readings of the box
Level and Span Mode	Auto/Manual/1-Tap Touch-screen

Data Storage & Communication

Storage Media	Built-in 16 GB flash memory (user available storage space is less than the nominal capacity)
Image Storage Capacity	Approx. 60,000 Images
Image File Format	Radiometric JPEG
Annotations	Text note: max. 255 characters
Video Storage Capacity	Approx. 54 hours
Video File Format	MP4 video (25 Hz) and Radiometric video (5 Hz)
Radiometric Infrared-Video Streaming (Compressed)	Over UVC

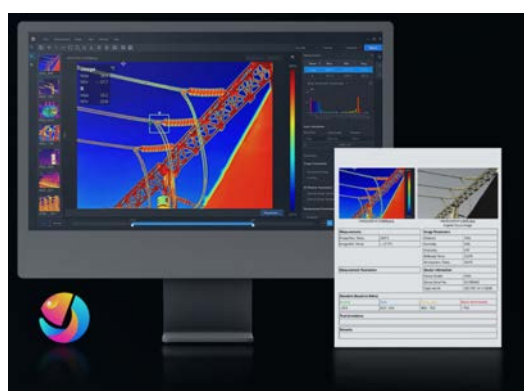
General Engineering

Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz); Automatic over Wi-Fi connection
USB Interface	USB Type-C,, USB via computer
LED Light	Yes
Power Supply	USB-C (5V/2A)
Power Saving Mode	Auto Power-off and manual sleep
Battery Type	Rechargeable Li-ion battery; 3.7 V, 1800 mAH, >500 cycles
Battery Operating Time	Approx. 4 hours; Battery Life >500 cycles
Battery Charging Time	Approx. 2.5 hours fully charged
Protection Level	IP54
Drop Test Height	2 m (6.56 ft)
Working Temperature Range	-10°C to 50°C (-4°F to 122°F)
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	< 95% non-condensing
Weight	Approx. 218 g (0.481 lb)
Dimension	138.5 × 85.2 × 23.6 mm (5.45 × 3.35 × 0.93 in)
Tripod Mounting	UNC ¼"-20
Housing material	PC and ABS, partially covered with TPE ; Aluminum

Standards Compliance

EMC	EN 301 487-1 : EN 301 489-17 : FCC 47 CFR Part 15 Class B
Magnetic fields	EN 61000-4-8 level 5
Radio spectrum	ETSI EN 300 328 ; EN 301 489 ; FCC Title 47 CFR Part 15 ; RSS-247 Issue 2
Battery regulations	UL 1642 ; EN 62133 ed 2
Battery charging efficiency	BC Title 20 ; 10 CFR Section 430.23 (aa)
Encapsulation	Camera housing and lens: IP 54 (IEC 60529)
Shock	25 g (IEC 60068-2-27)
Vibration	2 g (IEC 60068-2-6)
Drop	Designed for 2 m (6.56 ft)
Safety	EN 62368-1
Environmental safety	REACH Regulation EC 1907/2006 ; RoHS2 Directive 2011/65/EC ; WEEE Directive 2012/19/EC
Declaration of conformity	Available

Editor Software:



Powerful and free licensed PC software designed to help users manage and analyze thousands of thermal images and videos and quickly create professional reports.

Compatible with files from STEK handheld thermal cameras, providing the features you need to simplify your workflow and increase your productivity.

Optional:

Electrical Panel Windows (No need to open Panel for taking Thermal Images !!!)



The exclusive patented industrial grade, reinforced Poly-View System™ polymer can be used by any make or model of infrared and ultraviolet camera.

The VPT Series are the largest round construction, visually clear infrared (IR) and Ultraviolet (UV) transmissive viewing window available measuring 20%-25% larger than competitors crystal windows

