

# Professional Thermal Imaging Cameras PS2700

From the experts to see beyond visible

- Rotatable Lens & Screen Structure
- Includes Standard Lens with ULTRA Telephoto (7°X 5°) and High Temperature (Upto 2000°C) LENS
- New generation of focus motor and professional laser rangefinder and VIEW FINDER
- 1-touch autofocus in 0.4 second
- Upgraded visible light camera, Flagship model up to 13 million pixels, Support AI voice recognition, text photo recognition and typing, convenient for customizing the image name



# Technical Specifications

Imaging and optics	
Detector type	VOx, 7.5 to 14μm
Infrared resolution	640×480@17μm
Super resolution	Yes, upgrade to 1280×960
NETD	40mK
Frame rate	30Hz/9Hz
Focal length	25mm
Field of view	25°×19° (STANDARD LENS) ; 7°×5° (ULTRA TELEPHOTO LENS), <b>BOTH INCLUDED IN SCOPE OF SUPPLY</b> <a href="https://stek.in/field-of-view-calculator">https://stek.in/field-of-view-calculator</a>
IFOV	0.68mrad (STANDRAD LENS) ; 0.34mrad
Min. object distance	0.3m
D:S	1470:1
Focusing mode	Automatic/Electric
Digital zoom	1.1x to 35x
Measurement and analysis	
Measurement range	Support auto-switching: -40°C to 150°C, 100°C to 800°C, Optional 700°C to 2000°C <b>(High temperature lens INCLUDED IN SCOPE OF SUPPLY)</b>
Measurement accuracy	±2°C or ±2%, whichever is greater
Analyzed target	16 in total (Spot/Line/Area)
Alarm	Full screen temperature threshold alarm (image and voice)
Parameter settings	Emissivity, reflected temperature, target distance, humidity, atmospheric temperature, optical transmittance
Others	Customized physical button
Image display	
Display screen	5" LCD, touch screen, 1280×720
Eyepiece	LCOS screen, 1280×960
Image mode	IR, VIS, MIF and PIP
Color palettes	10: White Hot, Iron Red, Arctic, Rainbow 2, Hot Iron, Rainbow 1, Fulgurite, Medical, Tint, Black Hot; Customized
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual
Digital camera	13MP
Functions	
Laser	Laser (Indication, Ranging)
Recording function	Photo (image stitching) and Video (infrared & visible light)
Cloud Services	Available
Storage and transmission	
Storage media	Built-in (64 GB) and SD card (64 GB and up to 128 GB)
Image storage	JPG with temp info
Video storage	MP4 format (without temp info) can be used to record audio synchronously; Irgd (with temp info) for temperature analysis
External interface	USB-C, DC (12V) , SD card slot, Network port, Micro HDMI, Tripod socket
WIFI	Yes, it can be connected to the mobile terminal for image and real-time video transmission
Cellular network	4G module (optional)
Bluetooth	Available
Power system	
Battery type	Lithium-ion rechargeable battery
Operating time	4 hours
Charging mode	The device can be charged through desktop charger after shutdown.
Charging time	90% of full charge in 2.5 hours
Environmental parameters	
Working temperature	-20°C to 50°C
IP rating	IP54
Certification	CE, FCC, RoHS, KCC, Anatel, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS
Physical parameters	
Hardware	Illuminator, Microphone, Speaker, Electronic Compass, GPS
Weight	1.35kg (with battery)
Size	206×145×135mm
Software kit	PC: ThermoTools; Mobile: Thermography (iOS/Android)
Standard	A device, Lens cover, Lithium-ion battery, Power adapter, Adapter plug, USB-A to USB-C Cable, Micro HDMI to HDMI Cable, RJ45 Ethernet Patch Cable, Quick Start Guide, Instructions, Data download card, SD card (64 GB) , Shoulder strap, Carrying case, Factory certificate

\* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors. All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.

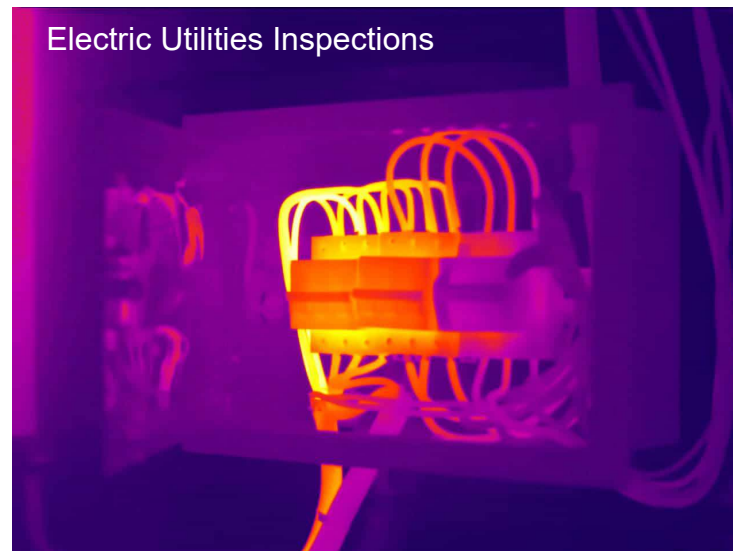
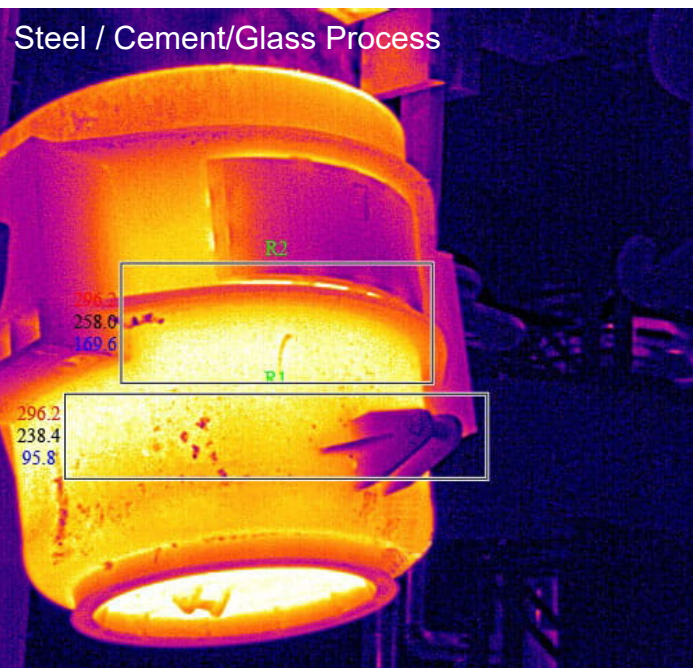
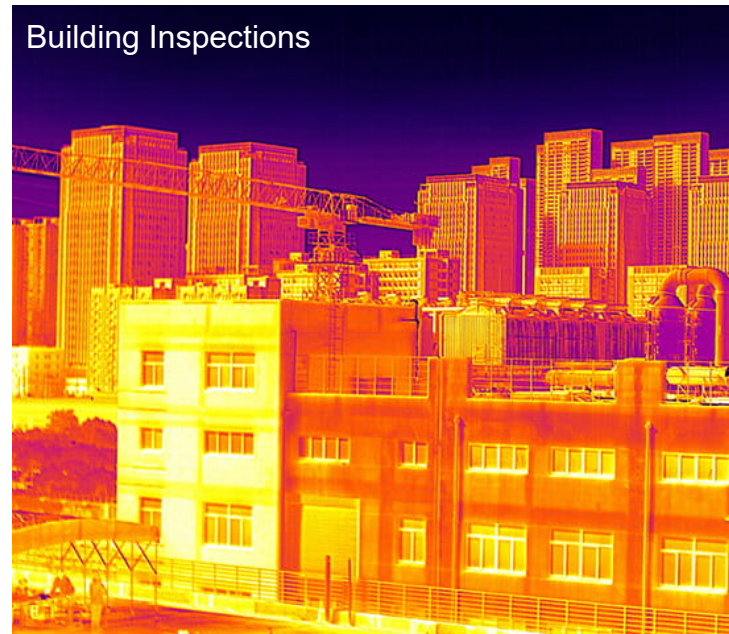
# PS2700 Lens Specifications



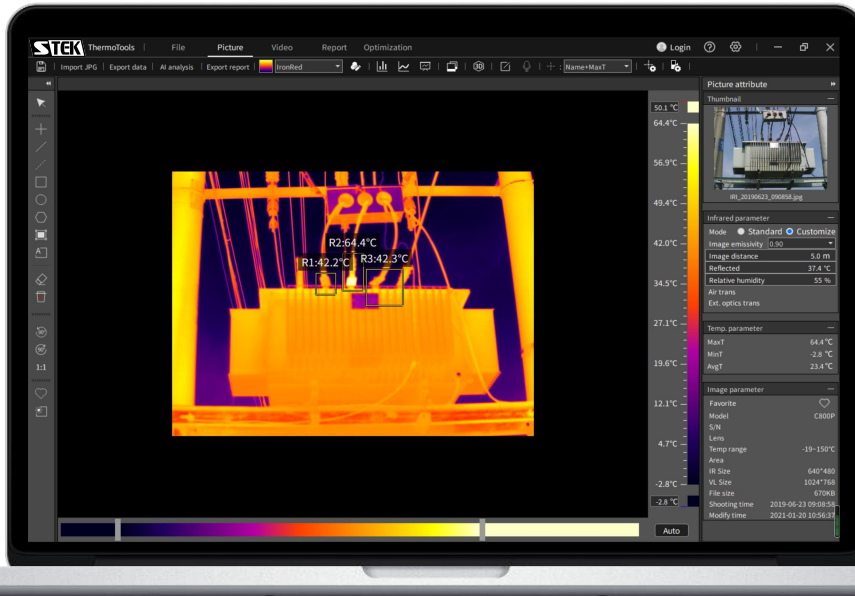
Standard Lens	
Focal length	15mm
FOV	25°×19°
IFOV	1.13mrad
Min focus distance	0.15 meter
High Temperature Lens -40°C to 2000°C	
Focal length	15mm
FOV	25°×19°
IFOV	IFOV 1.13mrad
Min focus distance	015 meter
ULTRA Telephoto Lens	
Focal length	50.7mm
FOV	7°×6°
IFOV	0.43mrad
Min focus distance	4 meter



All Three Lenses Included in scope Of Supply !



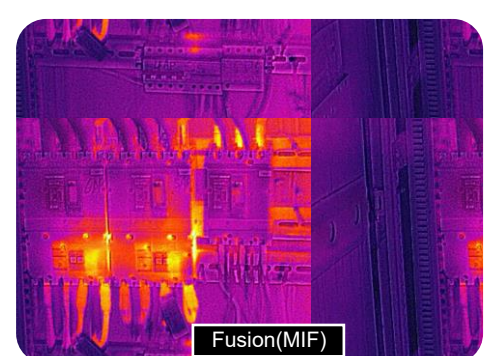
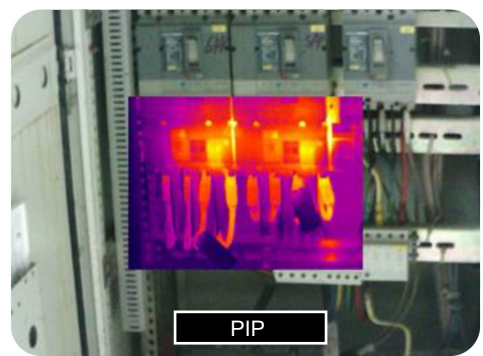
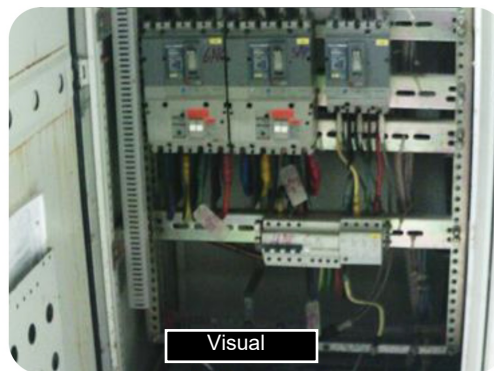
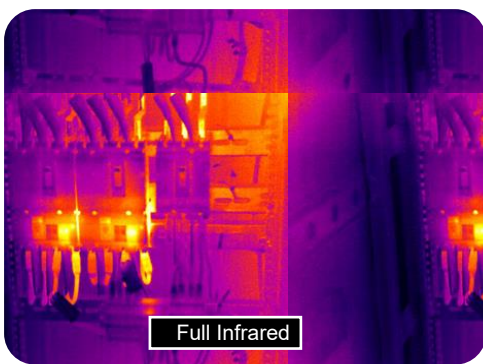
## Analysis Software



## STEK Thermotools Software

- Detail Thermal Analysis of Images stored in Camera with Name of Object, date and time stamping
- Basic & Advanced Reporting
- Area specific emissivity settings
- Line, Square, Free Object Thermal Analysis
- History Image Trending
- Open Protocols to integrate with Other Softwares

## Image Modes



## Thermal Image Modes

( Easy Switching with Rotary Switch)

Full Infrared (IR)

Picture in Picture (PIP)

Radiometric Visual (Visual)

Visual and Infrared Fusion (MIF)



## Standard Accessories

