XEAST UTi165H □□□□ □□□□ □□□□□ □□□□□□□ □□□□ □□□□□□□ □□□□□□□ □□□□□□□ □□□ □□□□□□□ □□□□□□□ □□□ □□□□□ □□□□ 45-30 □□□□□ □□□□□□□

SPECIFICATION

Specifications	UTi165H	UTi165K
Sensor	Uncooled focal plane	
Temperature range	30℃ - 45℃	
Resolution	0.1℃	
Accuracy	±0.5℃ @1M	
Minimum measuring distance	15cm	
Temperature measurement response time	≤500ms (95% of reading)	
Thermal imaging pixel	19200 (160 x 120)	
Pixel size	12μm	
Swatch	Black white, Red white, Blue white, Iron red, Rainbow	Iron red, Rainbow, White fever, Black fever, Red fever, Lava, High contrast rainbow
Bandwidth of infraed spectroscopy	8 - 14μm	
Field of view (FOV)	56°(H) x 42°(V)	
Instantaneous field of view (IF0V)	6mrad	
Thermal imaging sensitivity	< 50mk	
Frame rate	<9Hz	
Temperature display	Center temperature measurement and high temperature tracking (default)	
Image format	BMP	
Image modes		Thermal Imaging, Digital camera (visible light), Fusion
Visible light		Yes
Visible light resolution		640*480
Hybrid settings		0%(Full visible light), 25% 50% 75% 100%(Full thermal imaging)
Real-time image		PC real-time image projection screen
PC analysis software (PC)	√	√
Button	10 buttons(Power key, camera key, return key, navigation key, SET key, picture browsing key, LED lighting key)	
Data communication	Type-C USB	
Display resolution	320 x 240	
Auto power off	Selectable (5min， 10min， 30min)， 30min auto power off (default)	
Service time	≥6 hours	
Charging time	≤4 hours	
Image storage	Micro SD card	
Power	A single Li-ion 3.7V/5000mAh 26650 battery	
Display	2.8'' TFT LCD	
Product color	Red & grey	

PRODUCT PICTURES

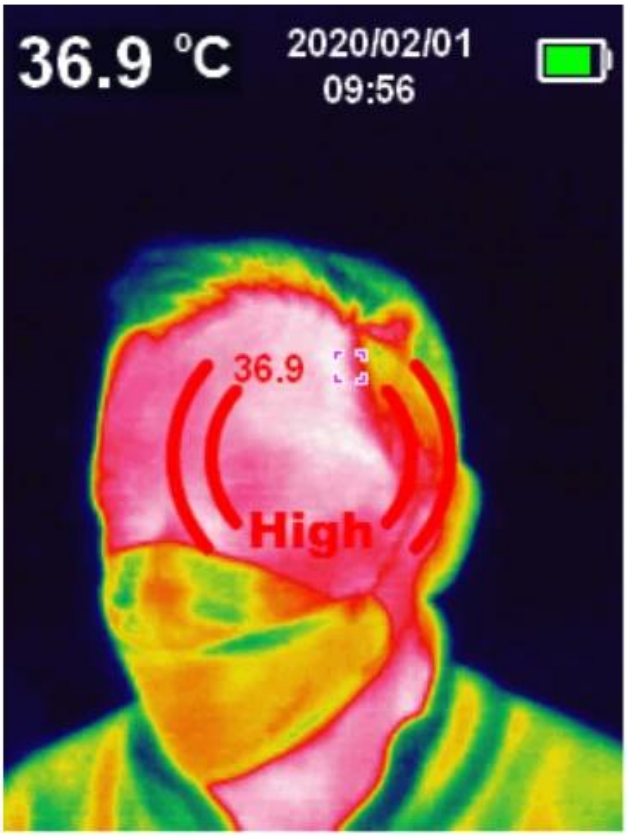
38.5 °C
2020/01/29
14:18
38.5
14.4
SET

+ 36.3°C
2020/02/22
09:21
38.6
18.4
SET

APPLICATIONS

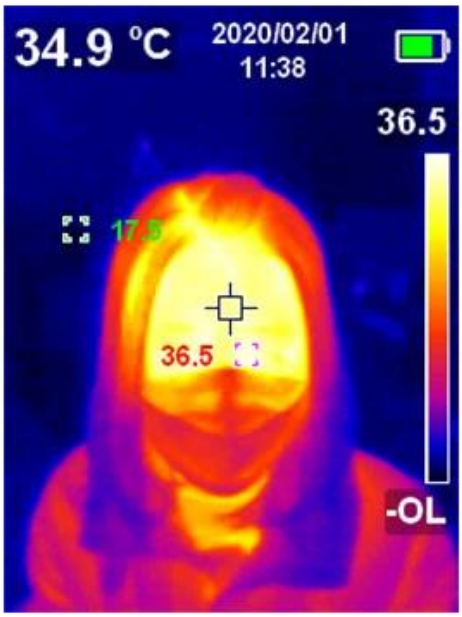
XEAST®

Uncooled sensor	High/low temperature measurement	Defect visible	Emissivity adjustable	TF card storage
30°C ~ 45°C temperature range	160 X 120 imaging resolution	High temperature alarm	Type-C USB Charging + data transmission	Flashlight function



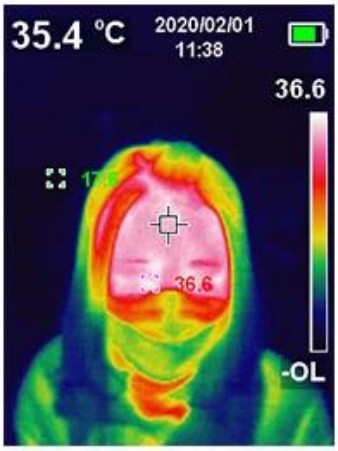
High / low temperature automatic tracking alarm

Center temperature measurement,
high and low temperature automatic tracking
and real-time display of temperature

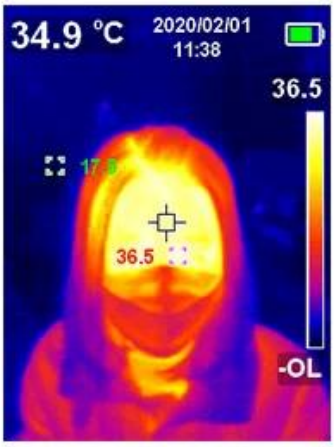


5 palette options

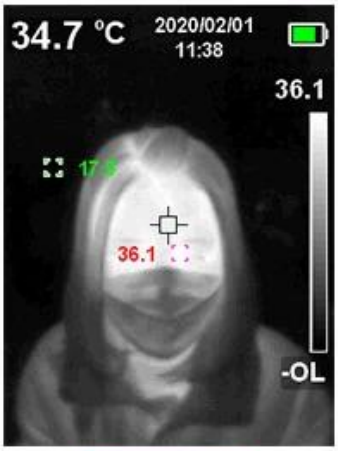
iron red, rainbow, gray white, red white, blue and white, used to select the captured infrared image mode



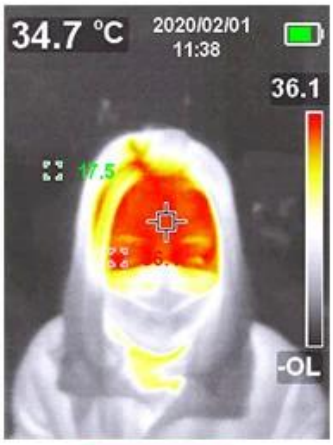
Iron Red



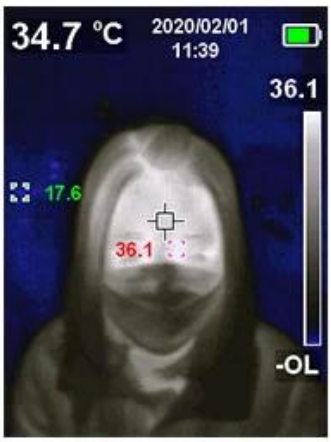
Rainbow



Gray



White Red



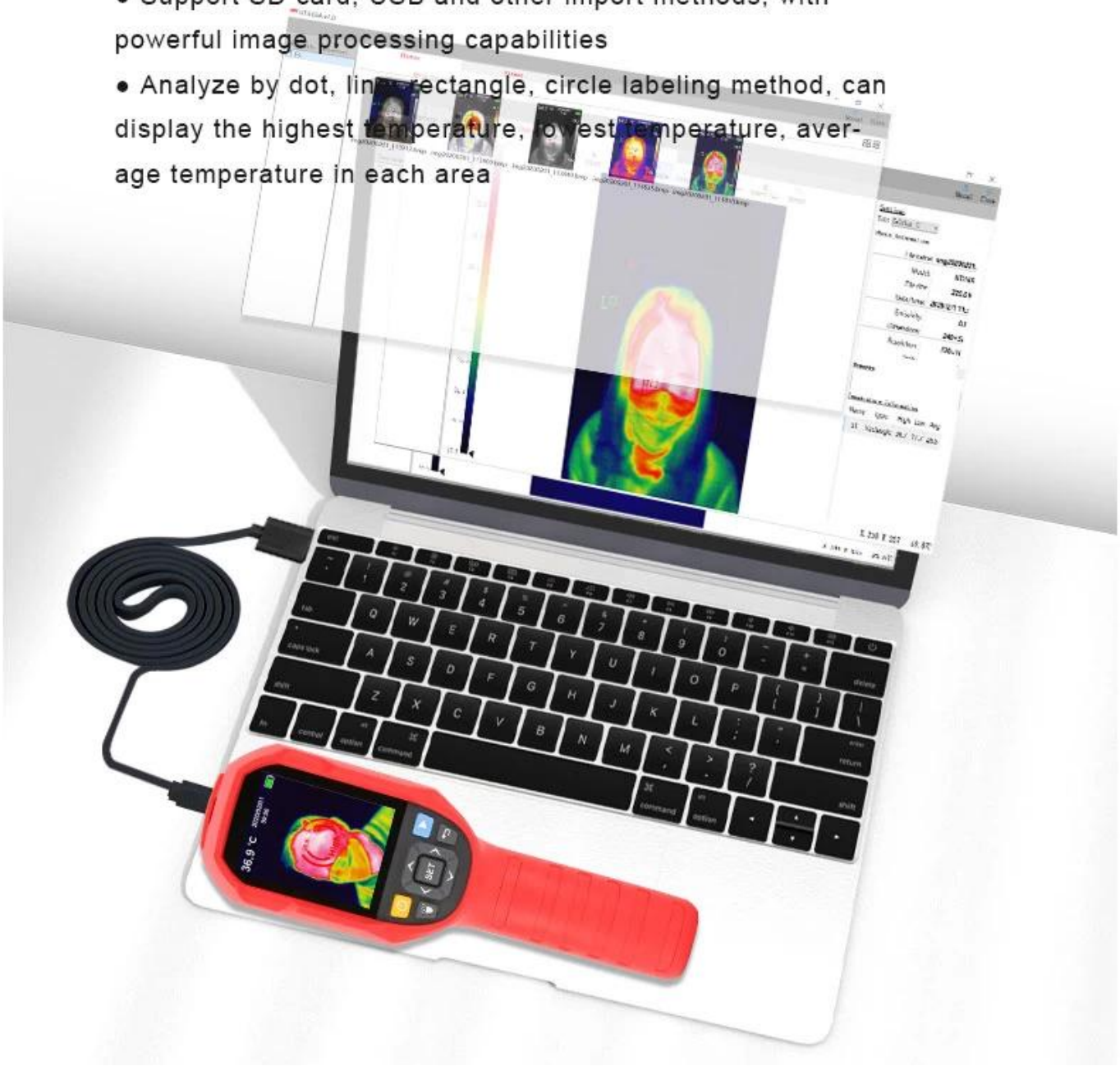
Blue White

Temperature unit switching
30.7 °C
2019/06/26
08:32
°C
°F
℃/°F
Temperature unit ℃ / ℉
Real Time Didsplay

tripod screw hole 1/4 adapter
SET

PC software for image analysis

- Support SD card, USB and other import methods; with powerful image processing capabilities
- Analyze by dot, line, rectangle, circle labeling method, can display the highest temperature, lowest temperature, average temperature in each area



PACKAGE INCLUDE

XEAST®

UNI-T
Professional Thermal Imager
UTi260K
UTi165K
UTi165H
UTi85H+
Real-time image transmission
High temperature tracking
Visual Camera
Audio alarm
SET
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UTi260K
Professional Thermal Imager
UNI-T
UNI-T Documents
Download Operation Guide
Step 1: Visit www.uni-trend.com

COMPANY INFORMATIONS

Company Outlook

Sales Dept

Showroom

Company View

Manufacturing Line

Warehouse

Testing Machine

SMT Dept

Mold insection Line

Team Building

Customer Visting