

**SPECIFICATION**



Specifications	UTi165H	UTi165K
Sensor	Uncooled focal plane	
Temperature range	30°C - 45°C	
Resolution	0.1°C	
Accuracy	±0.5°C @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 infra-red spectroscopy	8 - 14μm	
Field of view (FOV)	56°(H) x 42°(V)	
Instantaneous field of view (IFOV)	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**













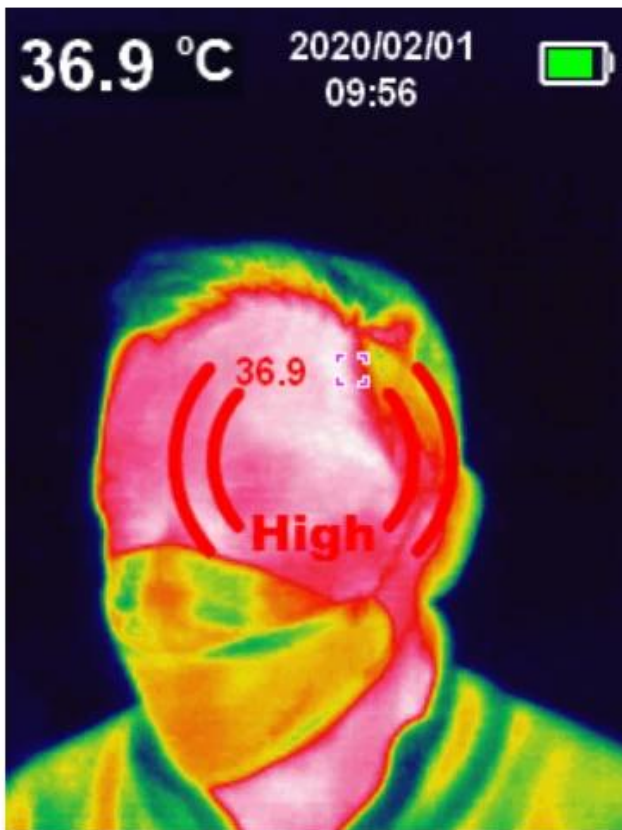




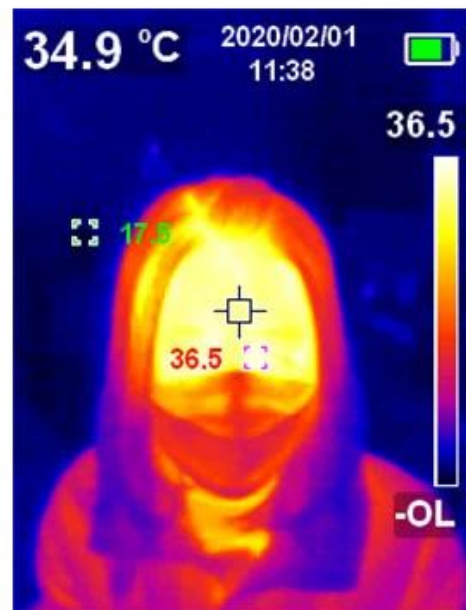
● APPLICATIONS



 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

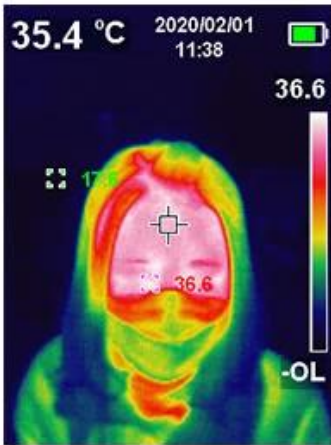


High / low temperature automatic tracking alarm  
Center temperature measurement,  
high and low temperature automatic tracking  
and real-time display of temperature



# 5 palette options

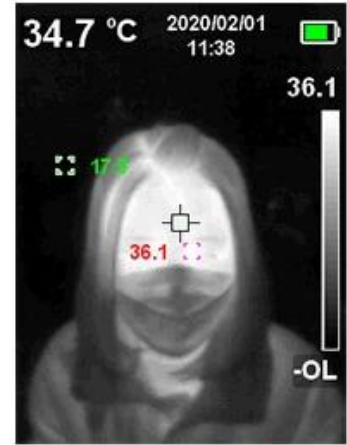
iron red, rainbow, gray white, red white, blue and white, used to select the captured infrared image mode



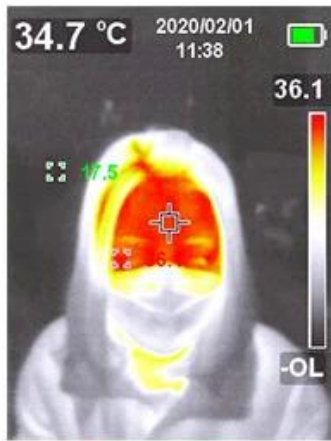
Iron Red



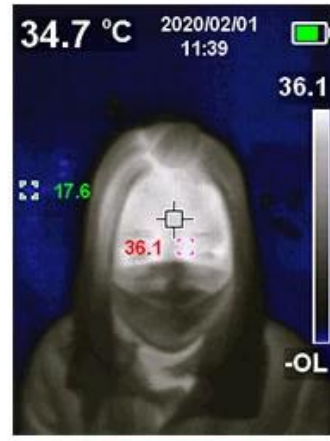
Rainbow



Gray



White Red



Blue White



Temperature unit switching



Temperature unit °C / °F  
Real Time Didsplay

tripod screw hole 1/4 adapter



# 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**









Company Outlook



Sales Dept



Showroom



Company View



Manufacturing Line



Warehouse



Testing Machine



SMT Dept



Mold injection Line



Team Building



Customer Visting