

# Advanced Thermal Screening Solution

UIPC-USS-TIC500



CLARUS  
SITE SOLUTIONS



### Reliable

99.7% Accurate No  
False Alarms



### Safe

Contact Free  
Detection



### Instant Identification

Identifies Temperature  
Instantly

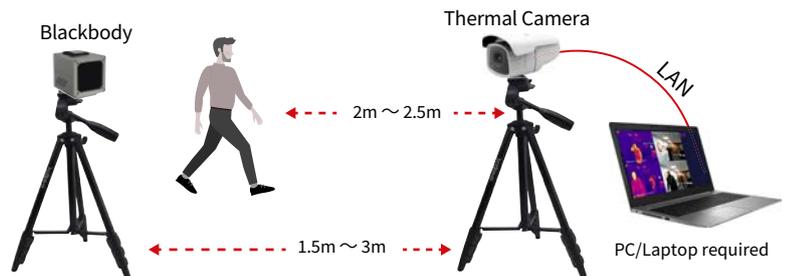


### Multiperson Detection

Identifies Multiple Body  
Heat Sources At Once

## STOP THE VIRUS

Stop the virus before it spreads with the **fastest, safest and most accurate** Advanced Thermal Mass Screening Solution on the market.



Hospitals



Supermarkets



Offices



Schools



Airports

The **UNV** Advanced Thermal Mass Screening Solution is essential in stopping the spread of Coronavirus. The device is designed for mass body temperature detection in areas of large footfall such as large offices, schools, hospitals and other premises with large footfall. With an accuracy of  $\pm 0.3^\circ\text{C}$ , the tried and tested technology are designed to filter out false alarms and produce only accurate data.

The Software uses Intelligent Infrared technology and pinpoint identification to detect a person with a raised temperature/ fever. Images are viewed on a PC or Laptop via software provided (Please see specification for minimum PC spec)

The infrared technology transmits different colours based on the temperatures that are being emitted in the image – similar to thermal imaging cameras. The pinpoint technology will identify a person entering the image and lock onto them and display their temperature directly onto the image.

An alarm can also be set to activate when a person above this temperature crosses the image. This makes it even easier for an operator to establish if a person needs medical examination.



# Specification

Camera	<b>UIPC-USS-TIC500</b>
Sensor Type	Uncooled detector
Sensor pixels	384 × 288
Response band	7.5 ~ 14μm
Pixel pitch	17μm
Optical Transmission Calibration	Manual / Automatic
NETD (Noise Equivalent Temperature Difference)	<50mk (@ 25 ° C, F # = 1.0)
Lens focal length	6.5mm
Field of View	50.8 ° × 37.1 °
Image frame rate	30Hz
Palette	Hot white, black hot, iron red, etc.
<b>Image and Video</b>	
Thermal Image / Video / Visible Light Picture	.jpg (including full temperature data) / Full Temperature Infrared Video / .jpg Visible Light Picture
<b>Visible light camera parameters</b>	
Focal length	2.7mm
Sensor pixels	5 million pixels
<b>Temperature measurement function</b>	
Temperature measurement range	0 ° C-70 ° C
Temperature measurement deviation	± 0.3 ° C (with black body)
Temperature measurement area setting	Support global highest temperature, lowest temperature, average temperature tracking, point, line, rectangle, irregular area temperature measurement mode
Over temperature alarm function	Support human body temperature abnormal alarm function, area alarm text, temperature measurement box color can be set, alarm voice prompt
Intelligent features	Support automatic capture of moving face targets
Face area recognition	Support wearing a mask to identify the face area to avoid false alarms from non-face high temperature objects
<b>General specifications</b>	
Power input	DC12V
Power	20W (MAX)
Size (mm)	232.8mm x 119.5mm × 95.9mm
Weight	≤2.5Kg
Protection class	IP66
Working temperature and humidity	-20 ° C ~ + 55 ° C, <90% RH
<b>Other</b>	
Item List	1 x Bullet thermal camera, 1 x Black body, 2 x Tripod, Client Software
Minimum PC requirement	Windows 10, I5 CPU @1.8 GHz , 8GB Memory, 1TB, NVIDIA Discrete Graphics Card GT 1030, 2G Video Memory

## Contents & measurements

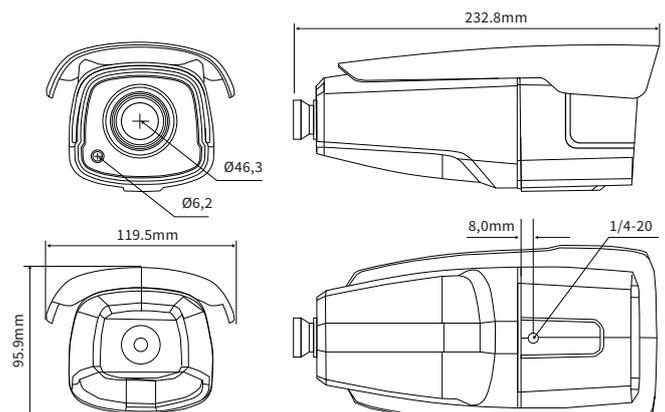
UNV TIC500 Advanced Thermal Screening Camera

Thermal Emitting BlackBody for Highly Accurate Readings

Thermal Reading Software

Tripods and Adaptors for Fast Deployment

PC is required for viewing/recording images – see spec for minimum PC requirements

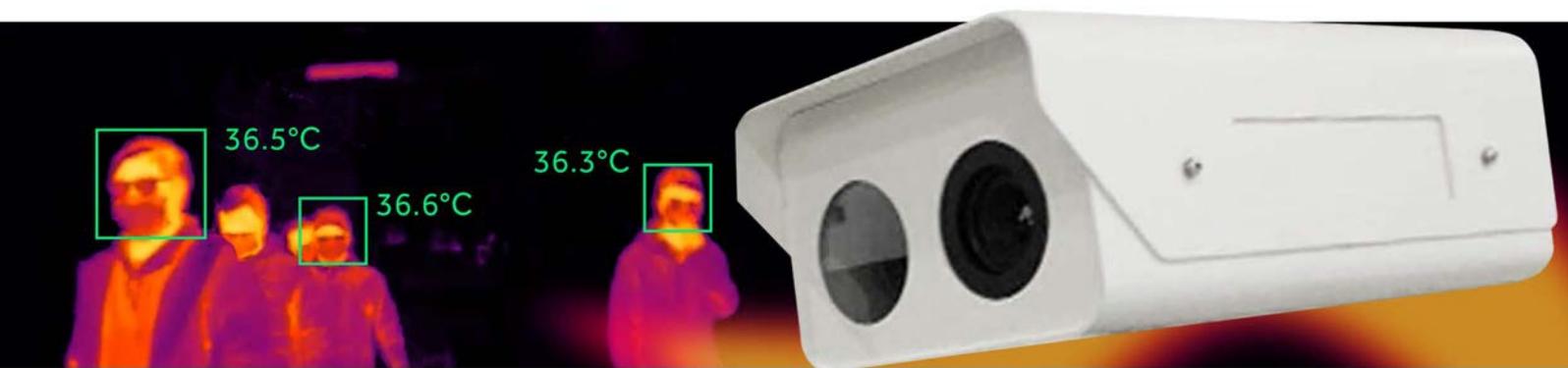


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UIPC-USS-TIC600



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False Alarms



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Contact Free  
Detection



### Instant Identification

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Instantly

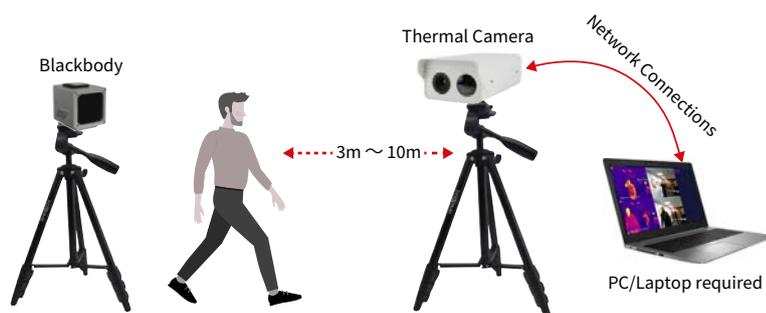


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# Specification

Camera	<b>UIPC-USS-TIC600</b>
Sensor Type	Uncooled Focal Plane Arrays
Pixel size	25µm
Maximum image size	384 × 288
Video frame rate	Max 25fps
NETD	≤60mk
Response waveband	8~14µm
Focal length	18mm
Iris	F1.0
Angle of View (H*V)	25°*19°
Detection distance	3~10 meters
<b>Visible</b>	
Sensor	1/1.8", progressive scan, CMOS
Focus	Manual
Iris Max	F1.6
Minimum illumination	Colour : 0.001Lux(F1.6, AGC ON)
	B/W : 0.0002Lux(F1.6, AGC ON)
S/N	>52dB
Defog	Optical & digital
Day/Night	IR-cut filter with auto switch (ICR)
Video Frame rate	1920*1080, Max 30fps
WDR	120dB
OSD	Up to 8 OSDs
SD card	Micro SD, up to 256GB
ANR	Support
Network protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS
Focal length	3.8~16mm
<b>Blackbody</b>	
Accuracy	±0.2°C (Single point)
Stability	±(0.1~0.2)°C/30min
Dimension	135mm x 135mm x150mm
Power	220V AC 50Hz
Power consumption	60W
Radiation area	φ70mm
<b>General</b>	
<b>Temperature measurement accuracy</b>	
Environment temperature range	16°C~32°C
Target temperature range	32°C~42°C
Temperature measurement accuracy	≤±0.3°C
<b>Interface</b>	
Infrared machine head	Aviation plug
Network interfaces	RJ45

# Specification

Power	
Power	DC12V
Power consumption	≤15W
Weight	
Infrared machine head	<5Kg
Blackbody	<3.5kg
Function	
Alarm	Multi abnormal temperature point alarm and automatic capture
Capture	Capture when alarm is triggered
Temperature display	Simultaneous display of temperature in infrared and visible light images
Correction of body and surface temperature	Support automatic temperature calibration
Environmental adaptability	
Working humidity	≤90%RH(non-condensing)
Notes	
Minimum PC requirement	Windows 7/10, I5 9600, 8GB Memory, 1TB

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