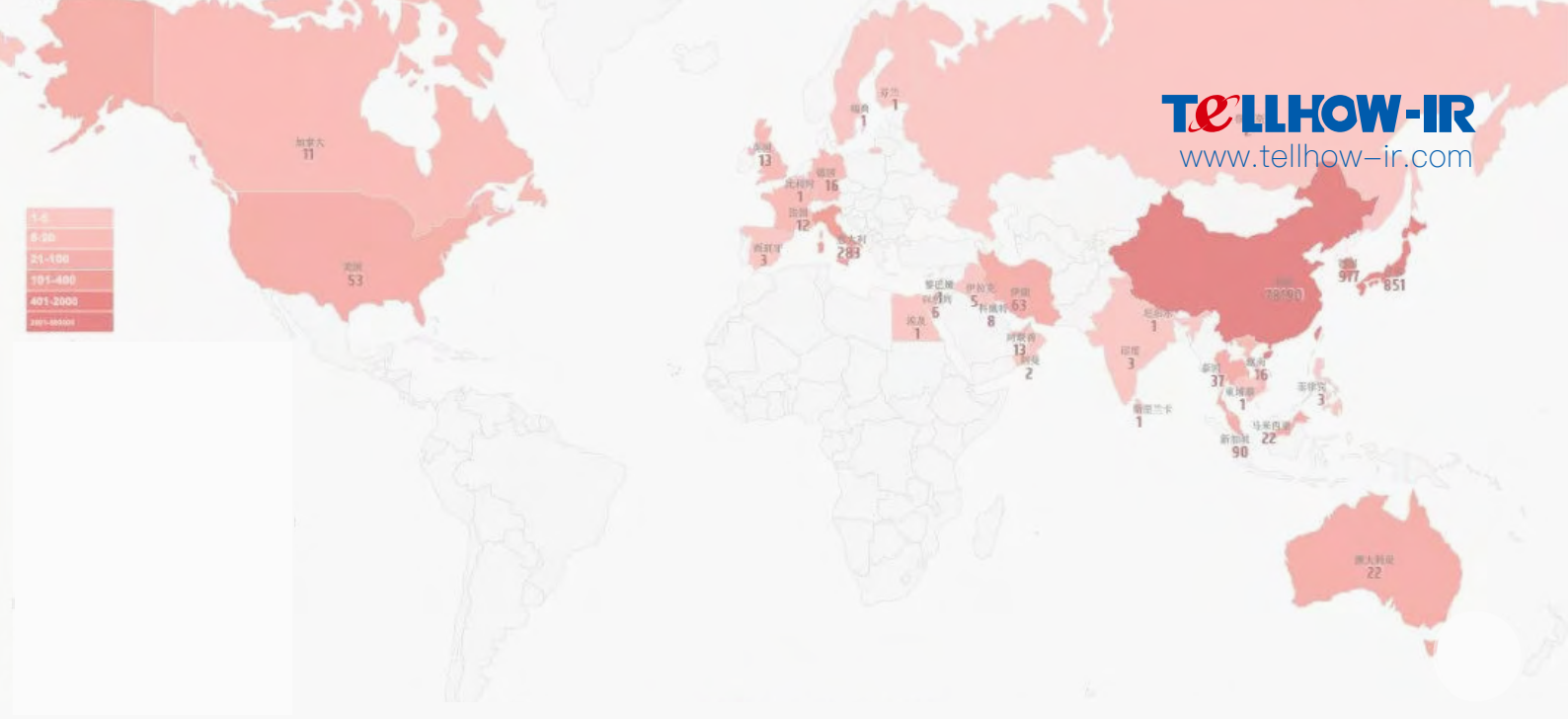
TELLHOW-IR

XI'AN TELLHOW IR-TECH CO.,LTD.

www.tellhow-ir.com

IR THERMAL IMAGING + NON-CONTACT HUMAN TEMPERATURE SCREENING SYSTEM



1. Background

The COVID-19 emerged in December 2019 and rapidly spread in China and around the world. Nearly 80 countries had been affected. The spread of the disease has had a significant negative impact on the global economy.

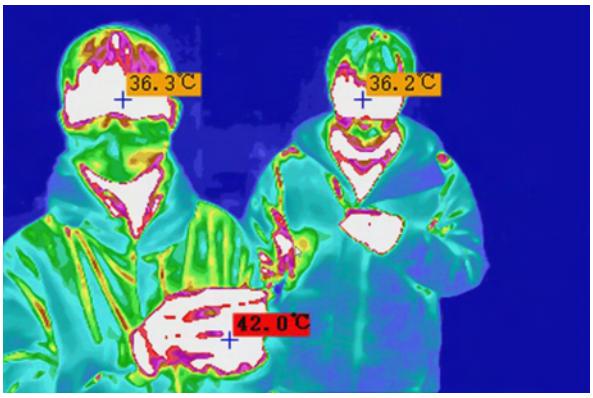
COVID-19 is highly contagious, and the typical symptom of the infected person is fever. Our Intelligent IR Thermal Imager for Human Temperature Screening helps improve the screening efficiency of human temperature. Non-contact temperature measurement way greatly reduces the risk of human infection and the it effectively controlled the entry of febrile personnel in crowded places.

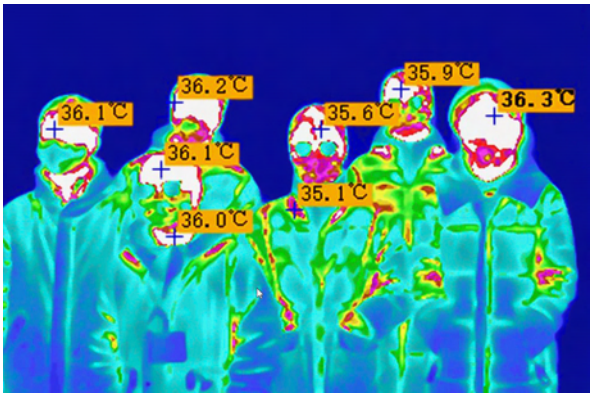
2. Product Introduction

Intelligent IR Thermal Imager for Human Temperature Screening is mainly used for the body temperature measurement of personnel in crowded areas such as railway stations, subway stations, airports, hospitals, factories, shopping malls, supermarkets, hotels, schools, stadiums and other public places with large floating population.

The body temperature can be checked quickly without deliberately staying, which greatly improved the detection efficiency.

The device looks like a video camera, which can automatically detect the body temperature of the person in the planned route, and once the person with abnormal temperature is found, the device will immediately alarm.





3. Scenarios

· Railway Stations

· Subway Stations

· Airports

· Hospitals

· Factories

· Shopping Malls

· Supermarkets

· Hotels

· Schools

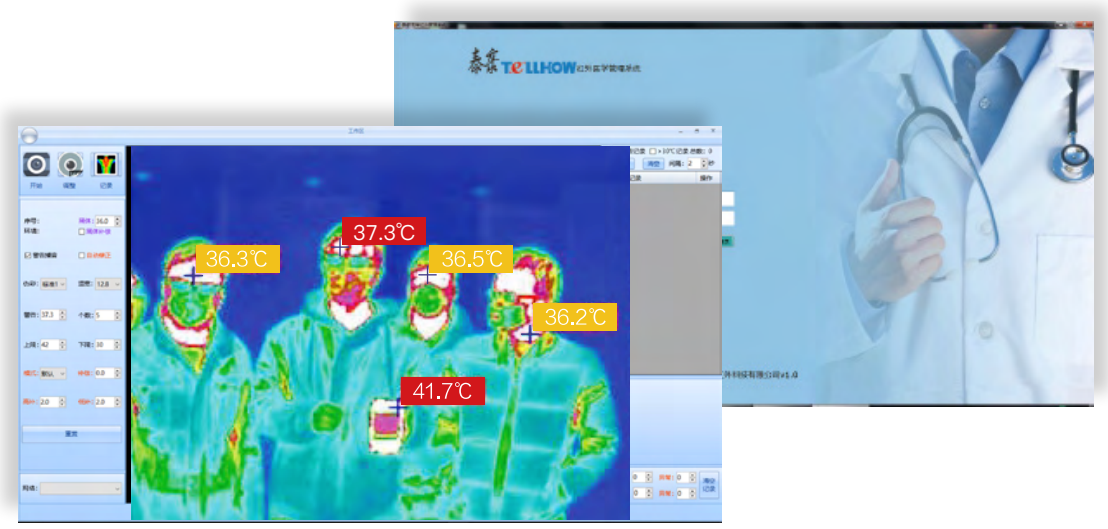
· Stadiums

4. D-LU384/C-LU384

· Intelligent IR temperature screening system

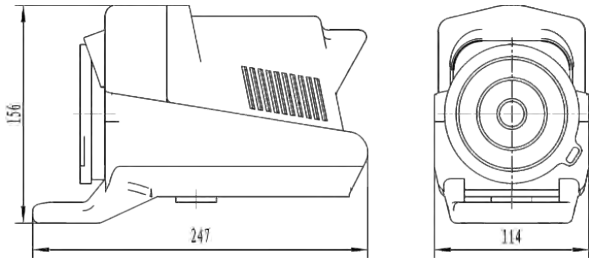
C–LU384

D–LU384

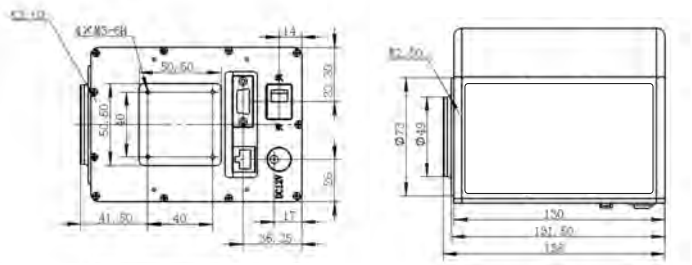


/ Technical Parameters

Product model	D-LU384/640	C-LU384/640
Basic parameters		
Detector	Uncooled focal plane array	
Working Wavelength	8μm～14μm	
Resolution	384×288/640x480	
NETD	＜50mK	
Image Frame Frequency	25Hz	
Functional Parameters		
Temperature measurement range	28℃～42℃	
Temperature measuring distance	2m～3m	
Temperature measurement accuracy	No more than ±0.3℃ (refer to boldface)	
	No more than ±0.5℃ (no boldface)	
Viewing Angle	33.87°×44.27°(error is not greater than ±5%)(typical value)	
Weight	≤1.5kg	≤0.9kg
Video Output and Communication Interface	Gigabit Ethernet interface	
Power Supply	DC12V，<1.5A	
Dimensions	247mm x114mm x156mm	136mm x108mm x95mm
Environmental Adaptability		
Operating Temperature	16℃~32℃	
Relative Humidity	No greater than 70%	
Transport Requirement	To meet the vibration requirements of class 3 highway transportation	



D-LU384/640



C-LU384/640

Product Advantage

300+ / Monitor human flow every minute

Compared with ordinary handheld thermom-eter, the detection efficiency is high, which can detect at least 300 people / min;

0.5S / Auto Alarm

When someone with abnormal body temperature passes by, the device will automatically alarm in 0.5s.

<3M / Temperature measuring distance

The temperature measurement distance is between 2m~3m , which can effectively reduce the contact with the tested personnel and avoid infection;

>99.9% / Data accuracy

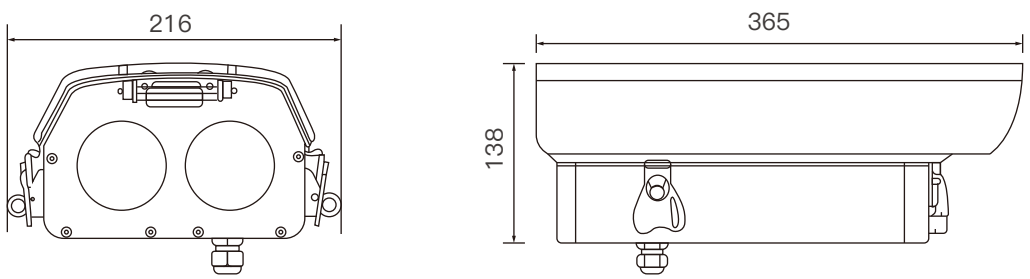
AI face-detection algorithm, which can recognize personnel wearing a mask or hat, the forehead temperature can be measured accurately.

5. D-DU384

· Intelligent Dual-light temperature screening system

/ Technical Parameters

Product model	D-DU384
Infrared camera	
Detector	Uncooled focal plane array
Operating wavelength	8μm～14μm
Resolution	384×288
NETD	＜50mK
Image frame frequency	25Hz
Temperature measurement range	28℃～42℃
Temperature measurement distance	2m～3m
Temperature measurement accuracy	No more than ±0.3℃ (refer to boldface)
	No more than ±0.5℃ (no boldface)
FOV	29.7°×22.5°(error is not greater than ±5%)(typical value)
Visible camera	
Sensor type	1/2.7 ”scan CMOS line by line
Maximum resolution	1920(H)×1080(V)
Wide dynamic range	Digital width performance
Video compression standard	Main stream h.264 / h.264, Substream h.264 / h.264 /MJPEG
Video compression rate	32Kbps~8Mbps
Video frame rate	25Hz
Interface protocols	ONVIF(PROFILE S),ISAPI,GB28181
Electrical interface	
Video output and	Standard gigabit Ethernet, RJ45 motherport
communication control interface Power supply	Standard AC220V power adapter
Overall dimensions	
External dimensions (length × width × height)	365 mm×216mm×138mm(excluding cable)



D-DU384

Product Advantage

High precision real-time alarm

Real-time monitoring of body temperature based on face recognition,Accurate identification wear a hat, wear glasses,The false alarm rate of high temperature was lower for those wearing masks.

Highly integrated applications

Equipment working independently, 1 minute deployment; No wiring, no training, quick start; It has automatic temperature adjustment and high temperature pre-value setting.

High-throughput population monitoring

It is suitable for high-throughput crowd monitoring, and can avoid overcrowding effectively.

6. Equipment Installation Diagram

The system is easy to install and operate, it only needs 10 minutes to complete the installation.

The system performance is stable and reliable, the temperature alarm setting can realize multi-point alarm and tracking, to ensure that the target is not missed, but also to avoid interference from other high-temperature objects.

7. Installation Position