

High Performance Thermal Imaging Camera

Quantum Eye MPDC

(Multi Purpose Dual Camera)



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Quantum Eye MPDC is a high resolution + high precision thermal imaging camera that enables accurate measurement of human body febrile detection in real time.

Built in high-precision TRSM is possible for accurate febrile detection in a variety of the environments, find a fever person in real time with the intelligent software and become the admission control.

Accuracy

Accurate temperature analysis and vivid images in real time are provided with built in high-performance of TRSM. It has no affect ambient temperature, possible for accurate temperature measurement without the black body, and has a fever detection function in 0.1-degree units.

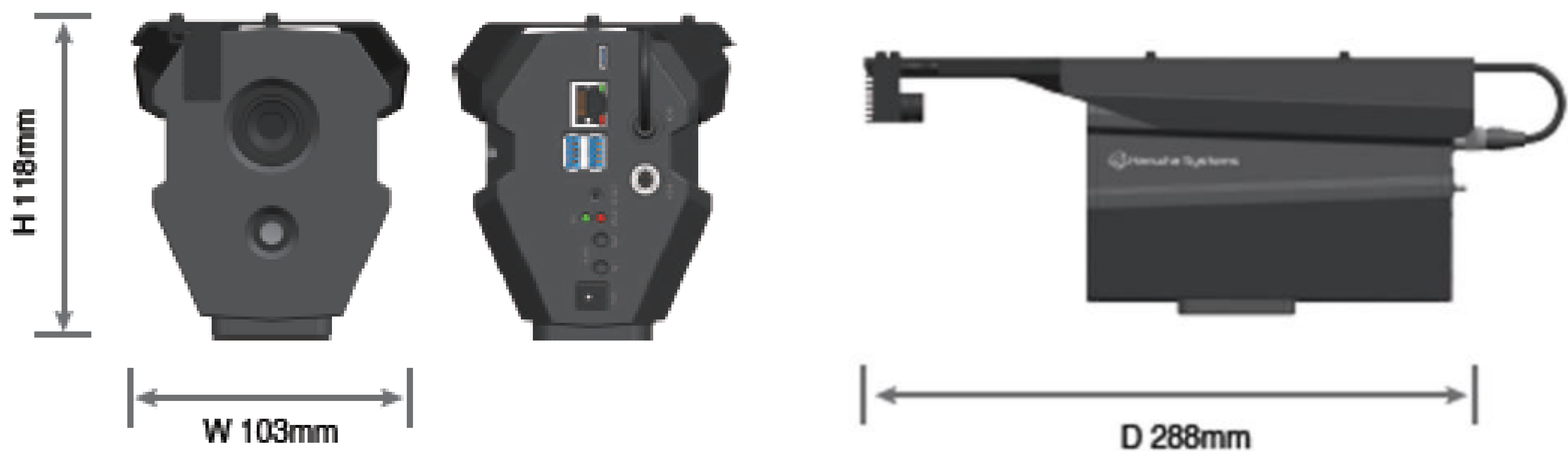
Efficiency

IMT-851G can operate without an additional monitoring personnel. (Unmanned equipment)
The way of temperature analysis and working through in real time is able to detect an abnormal temperature person and the auto tracking without wait time.
Due to ultra-light, compact, and low power, it has no limited to the space and the region.

Expandability

Provides multi-interface and real-time applications for easy operation. Easy to install it, it is precise, compact, and can simultaneously check the febrile detection of multiple people through a real image video with the software is available to anyone.

Product Dimensions



Technical Specifications

Thermal Camera

Total pixels	320(H) x 240(V) Pixels
Image Sensor Type	Micro Bolometer, pixel pitch : 12μm
Spectral Band	8 ~ 14μm (LWIR)
Sensitivity (NETD)	< 50mK
Field of View (H x V)	28° x 21°
Measurement Range	Febrile Sensing Mode : +30°C ~ +40°C
Temperature Accuracy	Febrile Sensing Mode : ±0.5°C (with TRSM ± 0.3°C)
Frame Frequency	MAX 30 FPS

Color Camera

Image Sensor	1/2.8" 2MP CMOS
Effective Pixels	1920 x 1080
Max. Resolution	2MP
Focal Length	4 mm
Aperture	F 1.6
Field of View	H : 87.6°, V : 46.4°, D : 104.5°
Frame Frequency	MAX 30 FPS
Focus Mode	Fixed

Interface

Ethernet	1000Base - T, RJ - 45
Audio Input	1 (Mic In)
Audio Output	1 (Speaker Out)
Alarm Input	1
Alarm Output	1
Micro USB Connector	2
Power LED	1
Reset Btn	1
HDMI	1

Others

Supply Voltage	DC ± 12V ±10%
Power	Max. 30.0 Watt (Unsettled)
Color / Material	Black / Aluminium
External Dimension (H x V x T)	111.0mm x 90.0mm x 290.0mm (TRSM mounting)
Body Weight	< 1.2 Kg
Operation Temp	-10°C to + 35°C (Humidity : 0%RH ~ 95%RH)
Storage Temp	-30°C to + 60°C (Humidity: 0%RH ~ 95%RH)