



11.11 Technologies

Thermal - X



About our project

Using high quality thermal cameras, we allow you to have accurate body temperature readings thereby allowing you to deploy your resources to better use. Fuss free and easy to set up. Solution is deployed using artificial intelligence and if you want, there is the option of integrating facial recognition in.

What we offer

Effectively identify individuals with fever from a crowd with speed and discretely isolating the selected individual for a secondary screening. Accuracy up to a distance of 1 metre, temperature accuracy of +/- 0.3 degrees, date and time of visit recorded.

Be a Partner

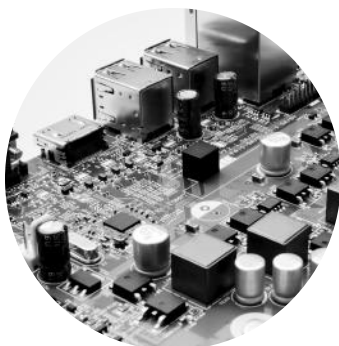
Speak to us today to see if we can collaborate!



Easy connectivity



Compact



Easily adaptable to
any platform



Quality thermal imaging with accurate body temperature



Facial recognition capabilities removing the need for touch



Restrict access based on predefined conditions e.g. 37 degrees

Product Specifications

TECHNICAL SUMMARY

Specifications	Description
Microbolometer	Uncooled Vanadium Oxide
Pixel Pitch	12 Microns
Spectral Response	7.8 - 14 Microns
Sensor Resolution (Array Format)	200 (h) x 150 (v); 30,000 pixels
Frame Rate	<9Hz or up to 32Hz
Scene Dynamic Range ¹	-40°C to 330°C
Sensor Sensitivity	65 mK (typical), <100 mK (max) @ 25°C
Non-Uniformity Correction (NUC)	Automatic NUC (with shutter)
Video Output Interfaces ²	USB
Supply Voltage	3.3V to 5.5V
Power: Core Only	<50mW
Power: Core + Interface Board	300mW
Output Formats (user selectable)	16-bit filtered pre AGC. 32-bit ARGB post colorization. 32-bit floating point or 16-bit fixed point thermography data.
Optics & Mechanical	
Focal Length	4.0mm
F-number (focal length/aperture)	f/1.00
Spatial Resolution (IFOV, center)	3.00
HFOV	35°
VFOV	26°
Detection Range ³	333m
Recognition Range ³	83m
Identification Range ³	48m
Distance to Spot Ratio	56:1
Ingress Protection	IP67
Core Dimensions Without Cushion	20 x 20 x 21mm
Lens Material	Chalcogenide
Thermography	
Temperature Calibration	Calibrated Output in °C
Environmental	
Operating Temperature Range	-10°C to 60°C
Storage Temperature Range	-40°C to 80°C
Solar Protection	Yes
Humidity	10%~95%RH, non-condensing
Regulatory	ROHS, WEEE, REACH

CONTACT US

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