

TECHNICAL SPECIFICATIONS



KEY BENEFITS

- ➔ Adaptable to already existing turnstiles and gates.
- ➔ Low power consumption.
- ➔ High precision facial temperature measurement and mask recognition.
- ➔ 7" HD IPS display.
- ➔ High temperature warning and mask reminder.
- ➔ Accurate live detection, safe and efficient.



Construction Sites



Amusement Parks



Stadiums



Public Transport



Business Centers



Concerts



Factories



Airports



Gyms



Campuses

GENERAL SPECIFICATIONS

Body Features Aluminium housing with pan & tilt functionality.

Power 9-18 V DC / 3A, 4W

Display 7" HD IPS

Thermal Camera Built in the main body

Integration Fully integratable to adapt on existing turnstiles and gates

TECHNICAL SPECIFICATIONS

TECHNICAL AND SYSTEM SPECIFICATIONS

Operating System	Embedded Linux
RAM	DDR3 8Gb
Storage	Built-in 8GB as standard, 128GB can be expanded by TF card
Monocular Camera	200W pixels, 120-degree wide-angle lens, support wide dynamic, white light night vision
Response Time	<0.3 seconds
Network	1 RJ45 100M ethernet port
Communication Mode	TCP / IP wired communication

ACCURACY AND MEASUREMENT SPECIFICATIONS

Face Recognition Rate	99,8%
Temperature Measurement Distance	<1m
Recommended Distance	0,5-0,8m
Temperature Measurement Accuracy	±0.3
Corresponding Time	<1 second
Temperature Limit	Adjustable accepted temperature level

FUNCTIONAL AND OPERATIONAL SPECIFICATIONS

Body temperature is measured by the built-in thermal camera. Allowed body temperature is adjustable.

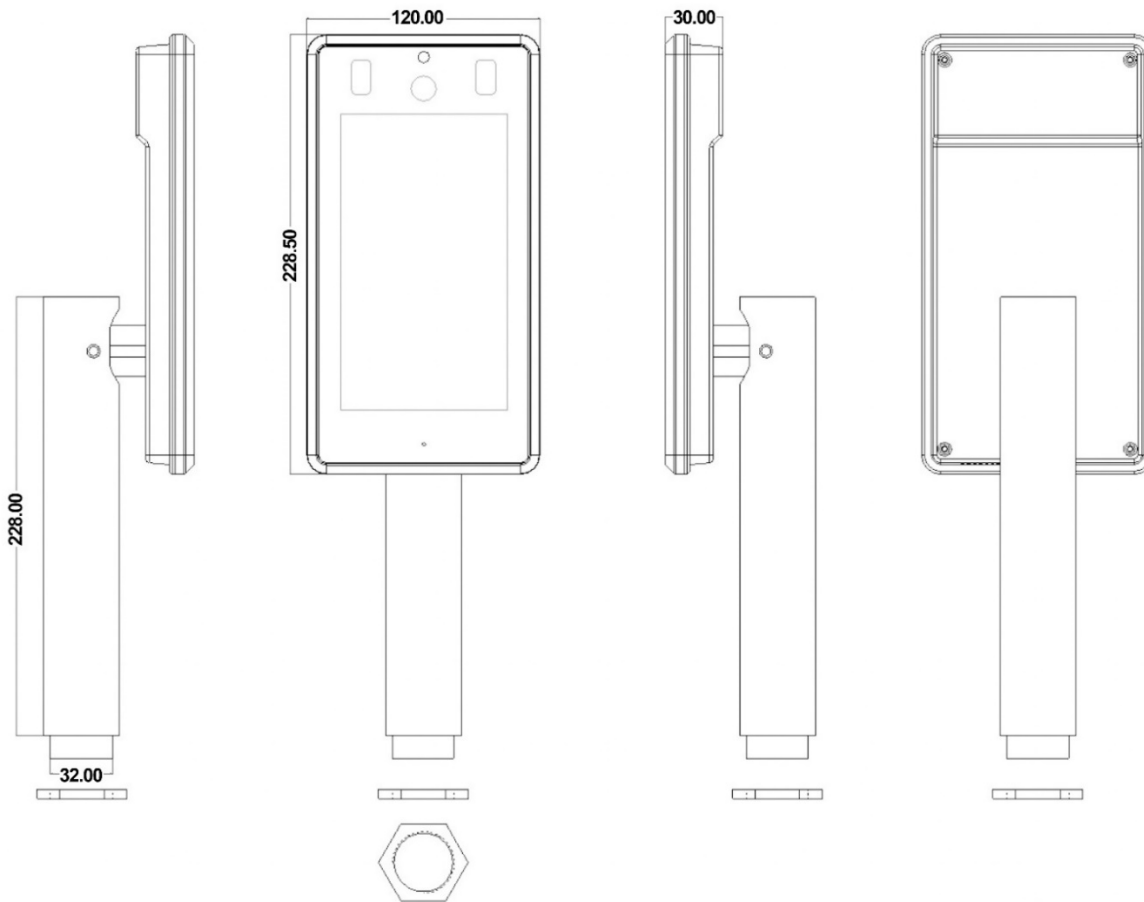
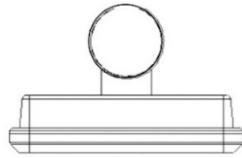
In addition, presence of facial mask is detected at all times. Mask requirement function in addition to body temperature control can be enabled or disabled. Thermoscanner can be programmed to forbid access of a person without wearing facial mask. System generates only a warning message for the ones without facial mask in case mask requirement function is disabled.

Access is granted only when the body temperature of the person is below allowed limit and wearing mask (if required) regardless of authorisation from the access control system.

Thermoscanner generates a dry contact to grant access through the turnstile or gate.

Recommendations and Precautions:

- Device shall be installed to a room having an environment temperature range between 10-40 °C.
- >3m distance to ventilation and heating sources shall be considered.
- Body temperature of the people can be effected when coming from cold outdoors. Temperature scanning shall be performed after body temperature becomes stable.
- Reference point for body temperature measurement is the forehead. Wet, sweaty, oily skins, presence of make-up or wrinkles may effect the accuracy of measurement. Covering of forehead with hair or clothing shall be avoided.



Design and specifications are subject to change without notice.