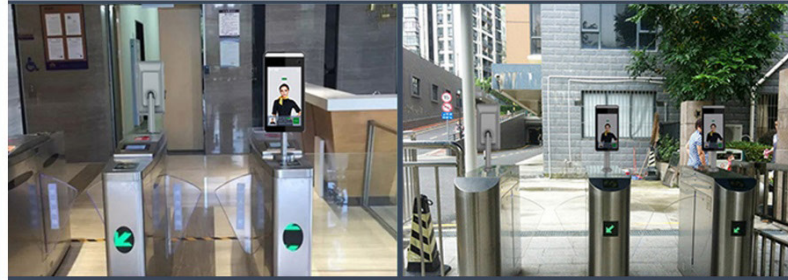


# SMART TERMINAL EN7-S02T

For determining the  
human body temperature  
and  
mask-detection



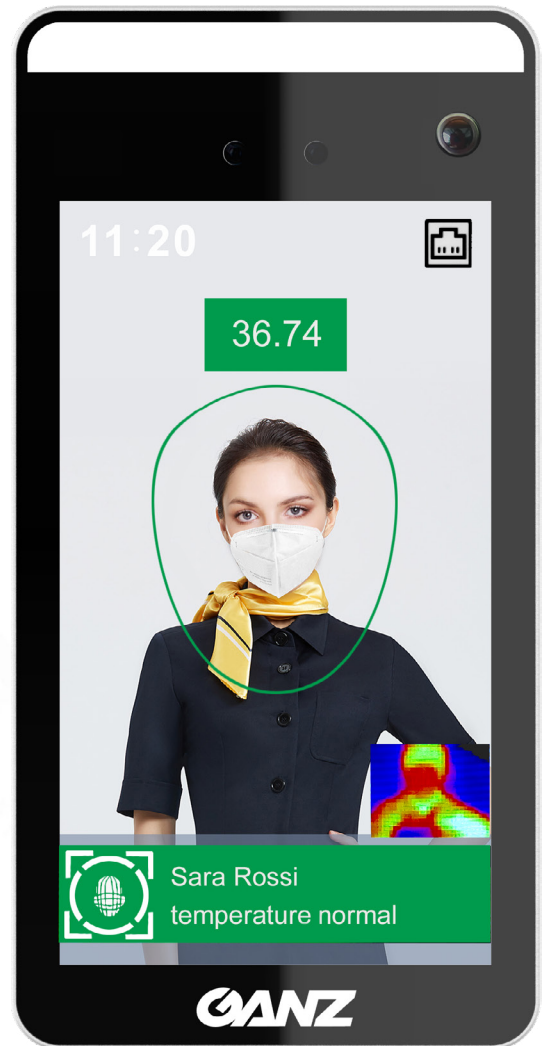
Personnel entrances

Public accesses



Educational institutions

Mass Transport



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## Description

EN7-S02T is an AI ultra-precision **body temperature** measurement system that guarantees high performance and reliability. It is based on infrared thermal imaging technology and uses **deep learning** algorithms.

It features fast recognition speed, high precision and fast acquisition of facial information for 1:N comparison. During face recognition, the human body temperature is determined for **temperature measurement**.

The system can be used, for example, at staff passages. A high passage speed is achieved with simultaneous epidemic prevention.

Thanks to the network integration, the EN7-S02T can be integrated into your **existing access control system**. Please also contact our technical support to discuss all details.

## Further advantages

- Conventional temperature measuring devices must be held by one person, which reduces efficiency
- All-in-one face temperature measuring device: automatic temperature measurement by face scan, saving manpower and improving efficiency
- Persons without a mask can be recognized exactly
- Automatic recording of information about abnormal temperatures of the human body and automatic counting of relevant persons
- Features a deep learning algorithm; supports a data base of up to 30,000 faces; fast 200 ms face recognition to ensure the rapid passage of people
- Configurable with Chrome or Firefox
- Supports uploading data via network; results and captured photos can be uploaded for real-time storage; data can be backed up continuously even if the network is unavailable

## Technical specifications

Model	EN7-S02T
Camera	2MP
Temperature Detector	Thermal imaging
Operating system	Linux
Display	7" IPS HD 1024 x 600, 300 CD/m2
Interfaces	RS485, RS232, RJ45, Relais
LED	Infrared, White-Light
Power supply	12VDC (max. 12W)
Size of the panel	219(H) x 111(W) x 21,5(D) mm
Mounting	33(H) x 189(W) mm
Protection class	IP66
Weight	2.3kg

## Functional Specifications

Temperature measuring distance	0,5 - 1,0 m (0,75 m recommended distance)
Best face recognition distance	0,5 - 2,2 m
Temperature accuracy	±0,3°C
Coverage area	36°C - 40°C
Human face number	30.000
accuracy of identification	99,5%
Recognition time	200 ms
Temperature Measurement time	<2sec
Tolerance	Standard-glasses allowed
Protocols	IPv4, TCP/IP, HTTP, HTTPS

## Operating environment

Operating temperature	10°C - 40°C
Air humidity	10%-90%, no condensation
Recommended inclination	5° - 15°

Precise measurement results require the most constant ambient temperature.



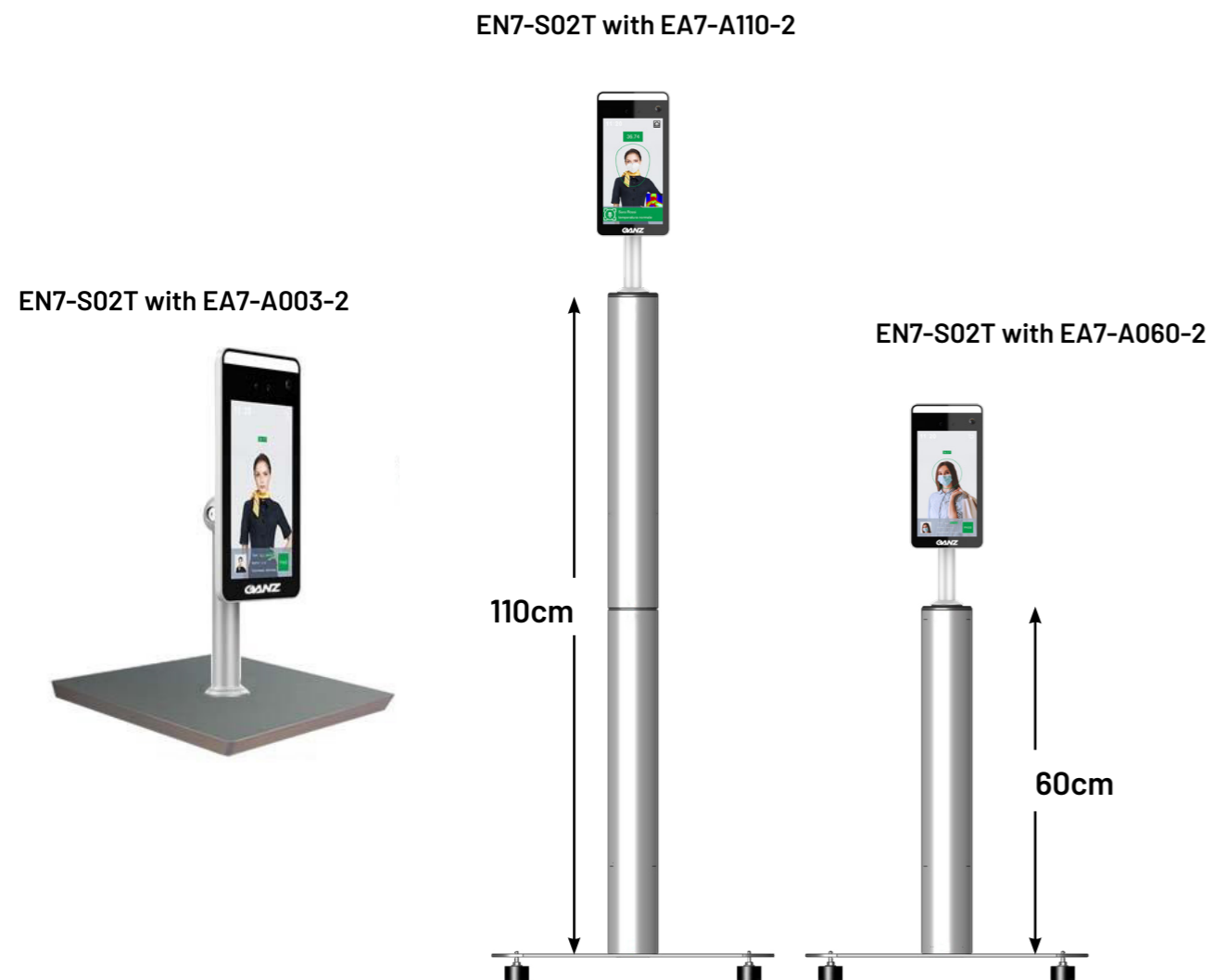
## Dimensions and accessories



## Model names

Model name	Type
EN7-S02T	Smart Terminal for determining human body temperature
EA7-A003-2	Table mounting, 2.7kg
EA7-A005-2	Wall Mount
EA7-A060-2	Floor stand, 60 cm, 4.4kg
EA7-A110-2	Floor stand, 110 cm, 8.4kg
EA7-PSU-CEE7/16	Power Supply

## Layout





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Technical changes and errors reserved. 032020v1.4

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