# EN7-S02T
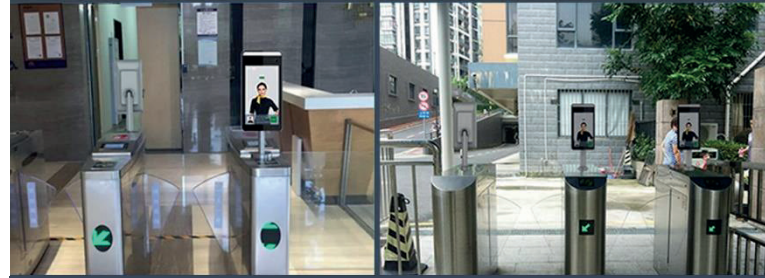
Innovative device for Human body temperature measurement



**OFFICES**
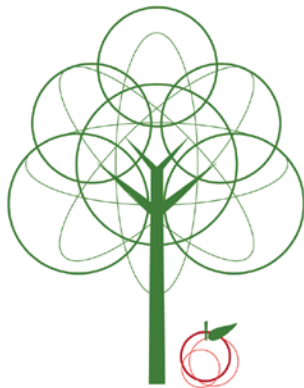
**COMMUNITY**

**SCHOOLS**

**STATIONS**
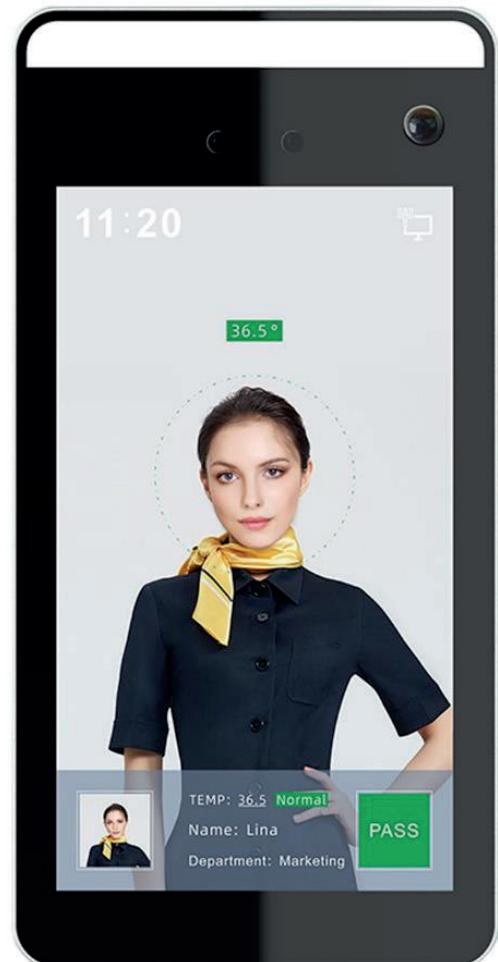
**NURSING CARE HOMES**



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# INTRODUCTION

EN7-S02T is AI ultra-precision human body temperature measuring system that guarantees high-performance, high-reliability. Based on thermal imaging technology and relying on deep learning algorithms, it has fast recognition speed, high accuracy, and fast capture the face information for a 1: N comparison. During face recognition, the human body temperature will be collected for temperature measurement.

It can be used with personnel passages to achieve the rapid movement of personnel and the control of entry and exit of personnel, maximizing the efficiency of epidemic prevention. Thanks to Wiegand 26/34766 protocol (that will be implemented soon) and network connection can be integrated into your access control system. Please call our service to define details.

# ADVANTAGES

1. The traditional temperature measuring guns need to be held by a person reducing efficiency;
2. All-in-one face temperature measuring machine, automatic temperature measurement by facial scanning, saving manpower and improving the efficiency;
3. People without masks can be accurately detected;
4. Automatically record abnormal temperature information of the human body and automatically count relevant person;
5. Adopt deep learning algorithm, support 30,000 face database, 200ms speed recognition, to achieve the rapid movement of personnel;
6. Support data network upload, the device comparison results and snapped photos can be uploaded to the platform for real- time storage, and data can be continuously uploaded even if the network is off.

# TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Model number: | EN7-S02T |
| Cameras: | 2MP |
| Temperature detector: | thermal image processing, Sony sensor |
| O.S.: | Linux |
| Display: | 7" IPS HD 1024 x 600, 300 CD/m2 |
| Interfaces: | RS485, RS232, RJ45, relay |
| Output Fill light lamp: | infrared light, white light |
| Rated voltage: | 12VDC – 12W |
| Panel size: | 219 x 111 x 21.5 mm |
| Stand: | 33 x 189 mm |
| Protection: | IP66 |
| Weight: | 2,3Kg (AN7-A110 = 24Kg) |

*CBC reserves to change and update these specifications*

# FUNCTIONAL SPECIFICATIONS

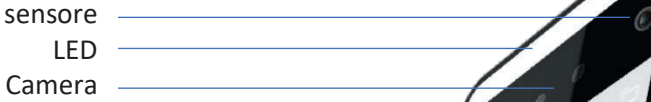| | |
|---|---|
| Temperature measuring distance: | 0,5 – 1,0 m (0,75 m suggested distance) |
| Best face recognition distance: | 0,5 – 2,2 m |
| Temperature accuracy: | ±0,3°C |
| Detection range: | 36°C – 40°C |
| Human face capability: | 30.000 |
| Identification accuracy: | 99,5% |
| Recognition speed: | 200 ms |
| Tolerance: | standard glasses are allowed |
| Protocols: | IPv4. TCP/IP, HTTP |

# OPERATIVE CONDITIONS

| | |
|---|---|
| Operating temperature: | -20°C – 50°C |
| Working humidity: | 10%-90% no condensation |
| Suggested inclination: | 5° - 15° |



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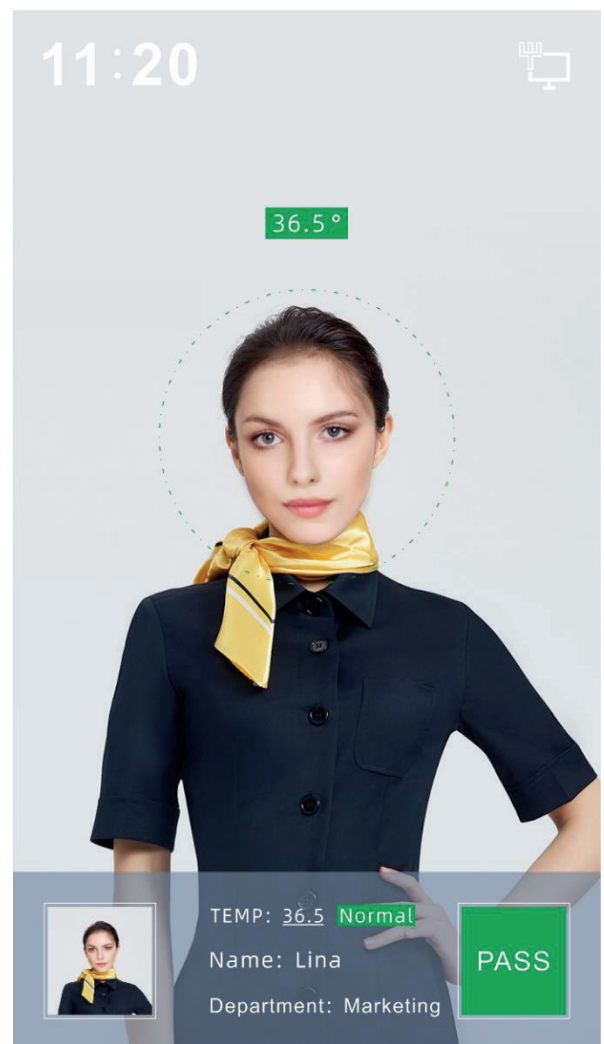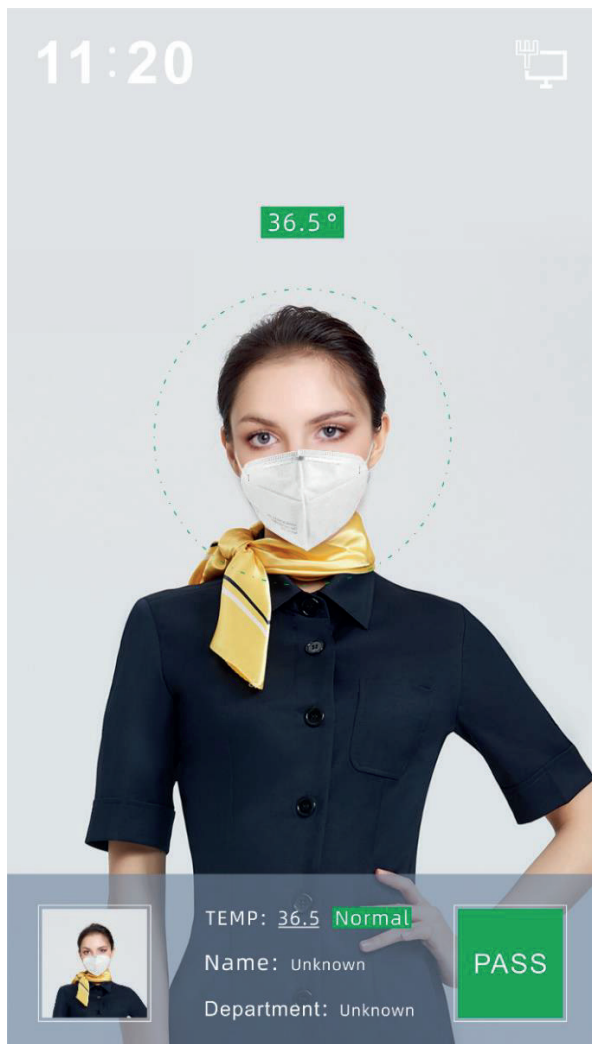
Thermal sensore

LED

Camera

Display

Speakers

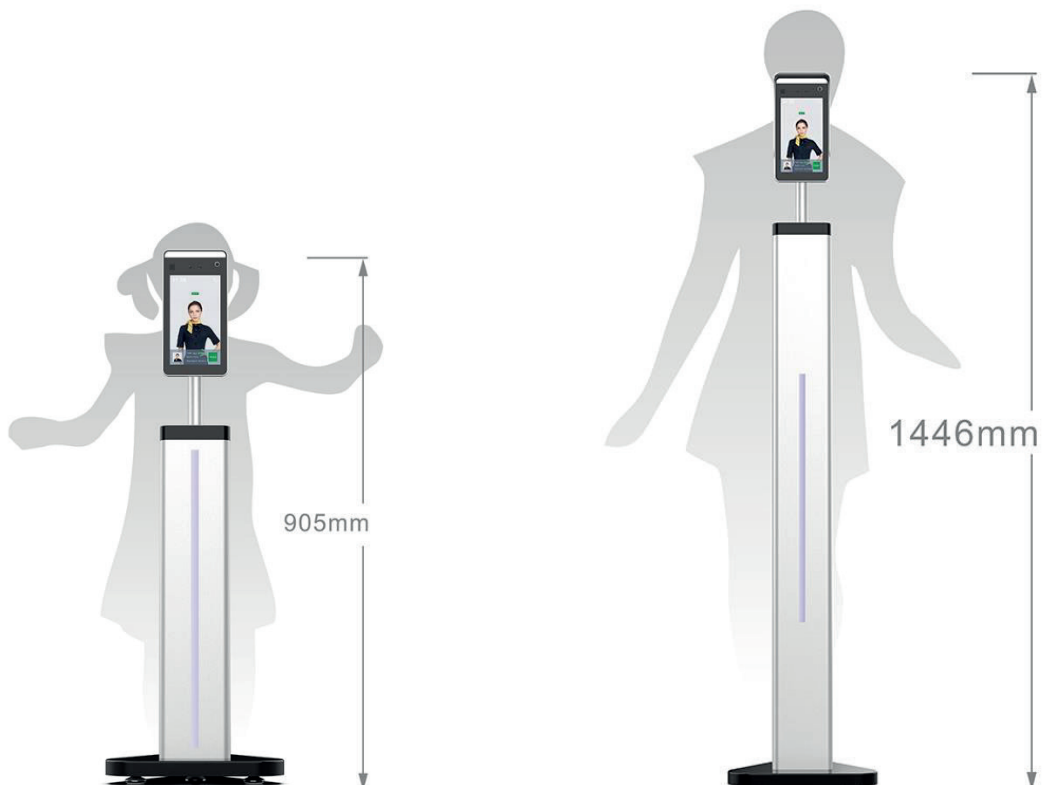21.5 mm

111 mm

320 mm

219 mm
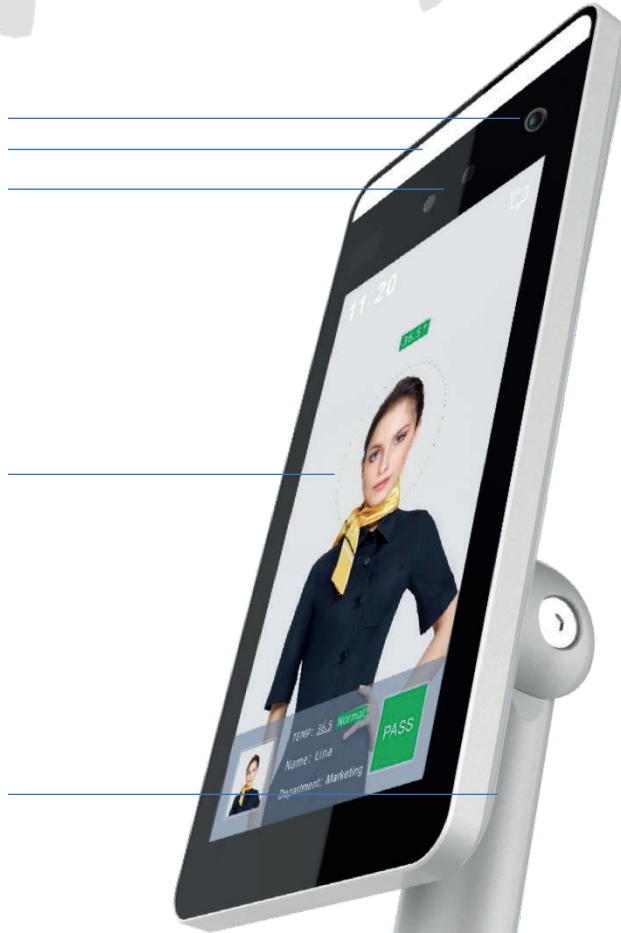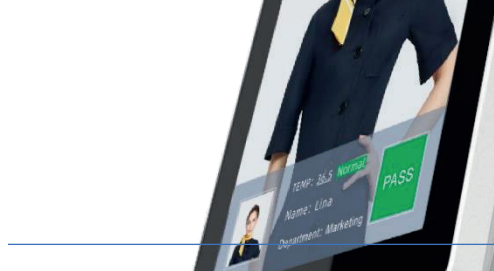
*CBC reserves to change and update these specifications*

# MODELS

**EN7-S02T**      Innovative device for Human body temperature measurement
**EA7-A003**      table bracket
**EA7-A060**      floor pole bracket, 60 cm
**EA7-A110**      floor pole bracket, 110 cm

**NOTE:** EN7-S02T is not a medical device, is not a clinical thermometer and is not compliant with Directive 93/42/CEE.





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