

## GANZ THERMAL SCANNER: PASSED WITH FLYING COLORS...

*Safe reopening of schools thanks to the EN7-S02T smart terminal*

### client\_

*Polo Tecnico Aldo Moro Santa  
Cesarea Terme (LE)*

### application\_

*Access control  
Residential body temperature  
measurement  
Detection of PPE usage*

### Customer's request

As a result of the recent health emergency, there is a need to protect the health of students, teachers and auxiliary staff from possible contagion, guaranteeing safety and protection within the school, starting with the upcoming baccalaureate exams.

From this need takes shape the idea of installing a device with integrated thermal camera, able to measure the body temperature of people entering, detect the non-use of PPE, automatically examining every single access.

### Technical solution

The solution adopted is based on the supply of model EN7-S02T device based on thermal imaging technology and deep learning algorithms. It has a recognition speed of 200ms, high accuracy and rapid acquisition of facial information. The human body temperature is detected in about 1 second during facial recognition.

Alert generation is expected in case of detection of fever status and sending e-mails in case of abnormal readings.

### Advantages obtained

The solution used ensures reliable and comprehensive access control with considerable labour savings. The traditional instruments in fact must be held in the hand by the personnel in charge, while GANZ EN7-S02T can be installed with multiple accessories.

The temperature is measured with an accuracy of  $\pm 0.3^{\circ}\text{C}$ , without contact, at a distance from 0.5m to 1.0m. The entire process, including the detection of the non-use of the mask, has a maximum duration of less than 2 seconds, thus avoiding the creation of unnecessary queues.

The installation carried out has allowed the reopening of the Aldo Moro Santa Cesarea Terme (LE) Technical Pole in total safety, within the time required for the maturity exams and in full compliance with the regulations in force in terms of privacy and GDPR.

