



Document

AMDS.0020.v01
June 2020

Item code

Code AM.R03.T.0020
SKU AM.0020

Key features

Stationary or autonomous
Accurate and contactless



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Data sheet

AMY IR-temperature measurement Robot



Autonomous, contactless infrared temperature measurement robot
Mobile or stationary versions, multiple options

Features

- Robot with autonomous navigation system, equipped with an intelligent contactless infrared temperature measurement system
- Manages complex environments: hospitals, laboratories, schools, warehouses
- Quick body temperature screening, fever warning, multi-modal patrol in large environments, broadcasting alarms and information
- Face recognition, fingerprint, optional ID systems
- Optimal measuring distance 1.50m, notification at $\pm 0.5^{\circ}\text{C}$
- Driving system by LIDAR, Radar, US and proximity sensors
- Unmanned operation, self-charging at fixed stations
- Chassis suspension system, to stabilize the robot travel

Technical specifications

- Robot body: PC+ABS and aluminum
- IR Resolution 256 x 192mm
- Temperature measurement distance: 1m to 1.5m
- Temperature measuring height: 1m - 2m
- Temperature measuring range: $+30^{\circ}\text{C}$ - $+45^{\circ}\text{C}$
- Temperature measurement accuracy: $\pm 0.5^{\circ}\text{C}$
- Calibration: automatic or manual
- Face recognition option, working with protection mask
- Multi-modal data transmission: pictures, voice, video, information
- Customised patrol route and video surveillance pattern

Certifications

- CE Certification ad Directive LVD 2014/35/EU
Test standards: EN 60335-1 :2012+A11 :2014+A13:2017
- ROHS 2 Certification, Directive 2011/65/EU Annex II 2015/863 amended by EU 2017/2102; Test standards: IEC 62321-4:2013+AMD1 :2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017