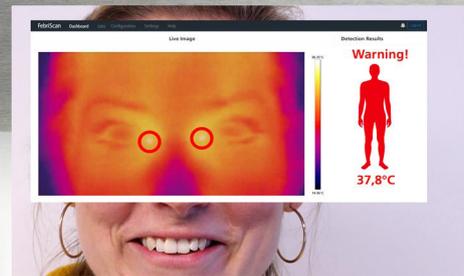
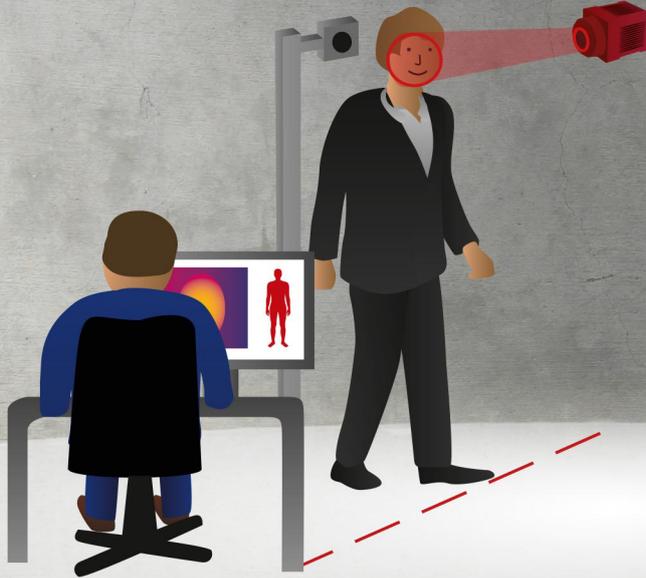


# FebriScan

## Detection of elevated body temperature



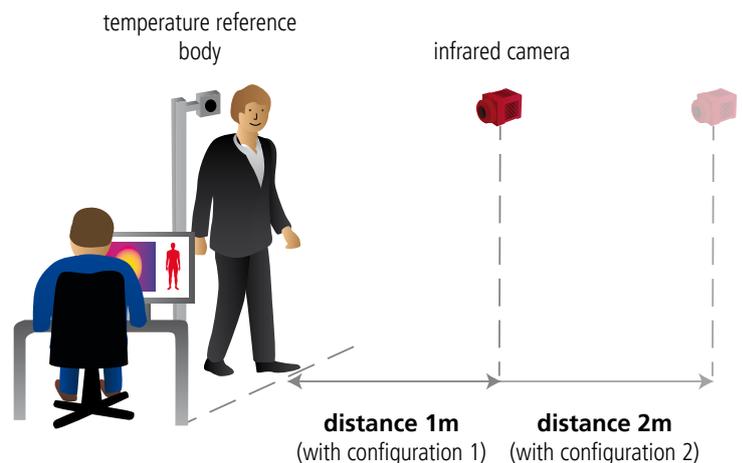
FebriScan is an innovative solution for the detection of potential coronavirus (COVID-19) infected persons, using a high-precision temperature imaging technique. It is quick to set up an access monitoring system using this non-contact elevated body temperature measurement method, which can be installed either temporarily in public places or in permanently fixed position at the entrance of a building. FebriScan consists of three components: an intelligent infrared camera, a temperature reference body and a specially developed FebriScan App. The interconnection of these components enables body temperatures to be recorded with the highest accuracy. To guarantee the reliability of the temperature readings, the FebriScan has multiple fully automatic integrated self-test functions. Further advantages: simple installation, fast measuring process, fully mobile solution. The resulting temperature reading appears graphically on the screen as a straightforward green/red with precise temperature reading. Red indicates an elevated body temperature, green indicates a normal range measurement.

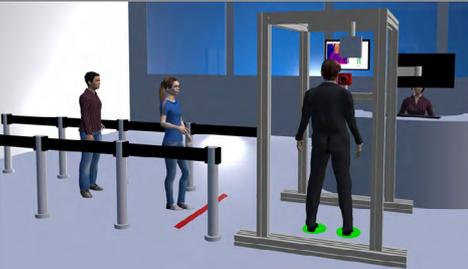
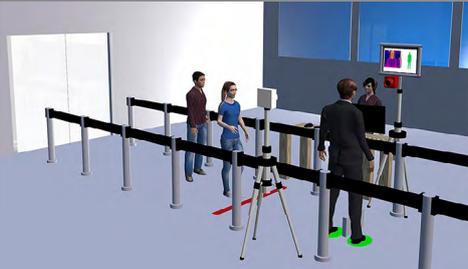
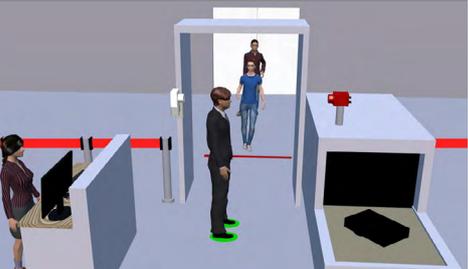
### How does the test work?

FebriScan's detection result complies with the IEC 80601-259:2017 standard. During the procedure, the infrared camera captures the temperature map of the person's face. The FebriScan's special advantage: the temperature is measured at the most heat-intensive point on the face - namely the inner eyelid angle of the eye (canthus), which shows the actual body temperature. In combination with the high-precision temperature reference, our FebriScan App then verifies the detection result. This is the only way to achieve a precise statement of body temperature. Important to note: For the camera to capture the relevant area, glasses must not be worn during the measurement process.

### 2 possible distances for different installation conditions:

The configuration of the FebriScan depends on the distance between the face and the infrared camera, which - depending on the installation circumstances - can be adjusted individually. Depending on the distance specification, the camera's lens is selected to match the distance specification, whereas the monitor and the temperature reference body are constant system elements.



<b>Maximum security</b>		
High-precision detection of elevated body temperatures according to the IEC 80601-2-59:2017 standard, reading adjustments are made automatically based on the temperature reference body		
Readings of the body temperature are achieved on the inner sides of the eyes (canthi) thus the measurement result reflects the actual value. On the other hand, if the face is measured over a large area, the body temperature is underestimated and incorrect.		
Fully automatic and integrated self-test functions provide the highest reliability of temperature measurements		
<b>High flexibility and efficiency</b>		
Fast measuring and evaluation process (< 1 second)		
2 variations for different distances between camera and face, e.g. due to local installation conditions		
Can be used independently of location: e.g. companies, transit authorities, railway stations, airports, etc.		
Designed for 24/7 continuous operation		
Easy installation		
<b>Intuitive graphical display</b>		
Temperature image of the face		
Body temperature, measured at the inner corner of the upper and lower eye lids (canthi)		
Automatic rating: Red = Elevated body temperature, Green = normal range temperature		
<b>Portal Package</b> (All-In-One solution for fixed installations at one location)	<b>Mobile Package</b> (Flexible setup with tripods for temporary screenings)	<b>Integration Package</b> (for the integration into existing systems / portals)
		
Intelligent camera IRSX-I 640S (configuration 1; other configurations available on request) with FebriScan App, M12 power cable-2m with power supply (pigtail power cable) and M12-RJ45-5m Ethernet cable	Intelligent camera IRSX-I 640S (configuration 1 or 2; other configurations available on request) with FebriScan App, M12 power cable-0.5m, power supply (pigtail power cable) and M12-RJ45-0.5m Ethernet cable	Intelligent camera IRSX-I 640S (configuration 1 or 2; other configurations available on request) with FebriScan App, IRSX IO-Kit (consisting of terminal, power supply, 5m M12-IO cable and 5m M12-RJ45 Ethernet cable)
IP-blackbody with power cable and power supply	IP-blackbody with power cable and power supply	IP-blackbody with power cable and power supply
Portal 204cm x 112cm (H x W) with camera holder, blackbody holder, operator monitor holder, power supply holder, junction box, user display (WIFI coupled) with power supply	2x tripods for camera (1.6m high) and blackbody (1.9m high) incl. power supply holder	Optional: Sticker/sign set (1x „no glasses“, 1x „keep distance“, 5x floor sticker „footsteps“)
Operator monitor with embedded visualization PC and VESA mount (suitable for desktop installation), power supply, keyboard and mouse	User display (WIFI coupled) for mounting on camera tripod with power supply and embedded visualization PC (with integrated WIFI access point)	The installation of this package requires the following conditions: 1x installation cabinet, etc. for camera IO-Kit and power supply
Sticker/sign set (1x „no glasses“, 1x „keep distance“, 5x floor sticker „footsteps“)	Sticker/sign set (1x „no glasses“, 1x „keep distance“, 5x floor sticker „footsteps“)	1x PC with monitor for displaying the camera app via web browser or integration of the camera image and results in your own user interface
The installation of this package requires the following conditions: 1x 110V / 220V power supply 1x table for operator monitor	Transportation case Optional: operator monitor with VESA mount (suitable for desktop installation), power supply, keyboard and mouse The installation of this package requires the following conditions: 3x ( 4x with operator monitor) 110V / 220V power supply 1x table for operator monitor (optional)	1x bracket for camera mounting 1x bracket for blackbody mounting

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