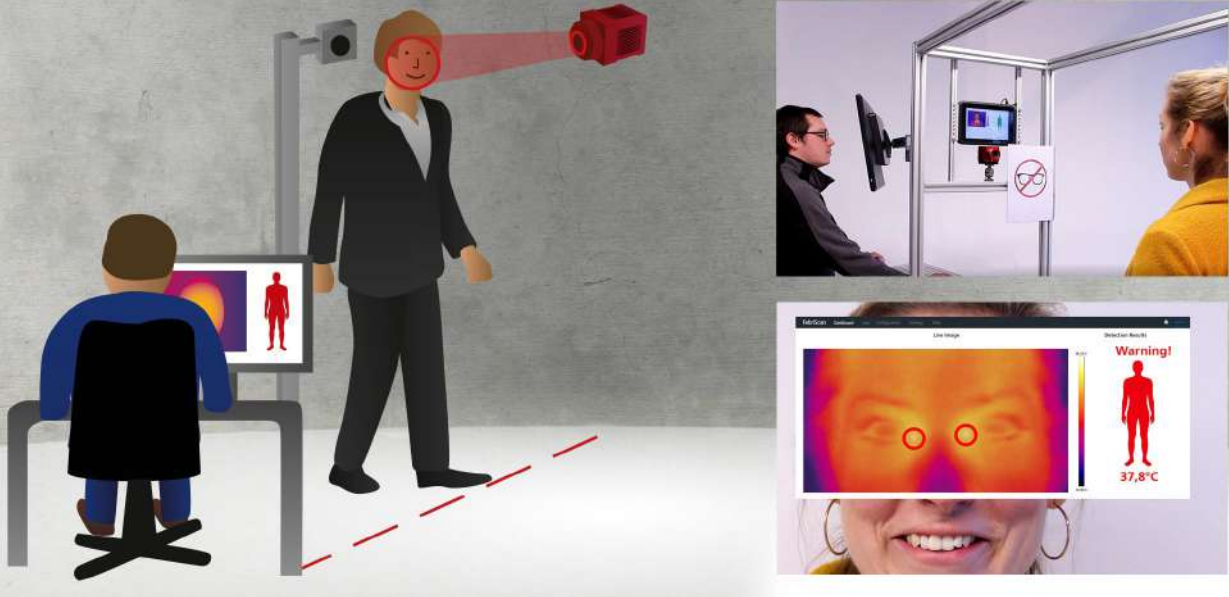


FebriScan

COVID-19: Fever control



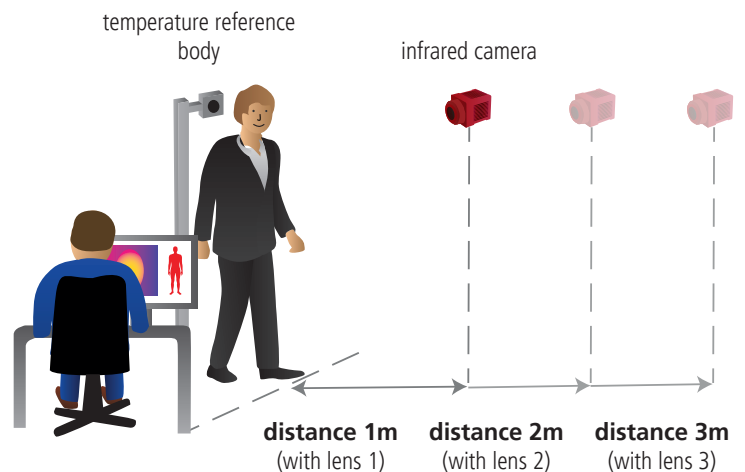
FebriScan is an innovative solution for the detection of possible corona virus infected persons, which is based on a high-precision temperature image evaluation. It is a quick to set up access monitoring system with a non-contact fever measurement method, which can be installed either temporarily in public places or stationary in the entrance area of a company. FebriScan consists of three components: an intelligent infrared camera, a temperature reference body and a specially developed FeverScreening App. In their interplay, these components enable the body temperature to be recorded with the highest accuracy. To guarantee the reliability of the temperature display, the FebriScan has numerous integrated fully automatic self-test functions. Further advantages: uncomplicated installation, fast measuring process, location-independent use. The graphical representation of the result appears on the screen as a red-green display. In this case, red stands for increased temperature or fever, green indicates an inconspicuous measurement.

This is how the test works:

The detection with FebriScan complies with the IEC 80601-2-59:2017 standard. In the process the infrared camera captures the face of the person. The special advantage: the temperature is measured at the most heat-intensive point on the face - namely the inner eyelid angle of the eye, which shows the actual body temperature. In combination with the high-precision temperature reference, our FeverScreening App then verifies the detection result. Only in this way is it possible to make a precise statement about body temperature. Important: In order for the camera to capture the relevant area, glasses must not be worn during the measurement.

3 variants 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 lens of the camera is selected accordingly, whereas the monitor and the temperature reference body are constant elements in the COVID-19 fever control developed by AT.



Maximum security		
High-precision detection of elevated body temperatures according to the IEC 80601-2-59:2017 standard, automatic adjustment with temperature reference.		
Recording of the body temperature on the inner corner of the upper and lower eye lids (canthi): Thus the measurement result reflects the actual body temperature value. On the other hand, if the face is measured over a large area, the body temperature is underestimated.		
Integrated fully automatic self-test functions for highest reliability of temperature measurement		
High flexibility and efficiency		
Fast measuring process and evaluation (< 1 second)		
3 variants for different distances between camera and face, e.g. due to local installation conditions		
Applicable independent of location: e.g. companies, authorities, railway stations, airports, etc.		
Designed for 24/7 continuous operation		
Easy installation		
Intuitive graphical display		
Temperature image of the face		
Body temperature, measured at the inner corner of the upper and lower eye lids (canthi)		
Automatic rating: Red = Suspicious body temperature, Green = Unsuspectious		
Portal Package (All-In-One solution for fixed installations at one location)	Mobile Package (Flexible setup with tripods for temporary screenings)	Integration Package (for the integration into existing systems / portals)
Intelligent camera IRSX 336S (incl. lens 1, 2 or 3) with Febri-Scan App, M12 power cable-2m, power supply (pigtail power cable) and M12-RJ45-5m Ethernet cable	Intelligent camera IRSX-I 640S or IRSX 336S (incl. lens 1, 2 or 3) with FebriScan App, M12 power cable-2m, power supply (pigtail power cable) and M12-RJ45-5m Ethernet cable	Intelligent camera IRSX-I 640S or IRSX 336S (incl. lens 1, 2 or 3) 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 with camera holder, blackbody holder, operator monitor holder, power supply holder, junction box, user display (WLAN coupled) with power supply	2x tripod with power supply holder and bag for blackbody (1.9m high) and camera (1.6m high)	The installation of this package requires the following conditions: 1x installation cabinet, etc. for camera IO-Kit and power supply 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 1x brackets for camera mounting 1x brackets for blackbody mounting
Operator monitor with embedded visualization PC and Vesa mount (suitable for desktop installation), power supply	Operator monitor with embedded visualization PC and Vesa mount (suitable for desktop installation), power supply	
Sticker/sign set 1x „no glasses“, 1x „keep distance“, 5x floor sticker „foot pair“	Sticker/sign set 1x „no glasses“, 1x „keep distance“, 5x floor sticker „foot pair“	
The installation of this package requires the following conditions: 3x (4x with user display) 110V / 220V power supply 1x table for operator monitor	Pelicase for camera and IP-blackbody	
	Optional: User display (WLAN coupled) for mounting on camera tripod with power supply	
	The installation of this package requires the following conditions: 1x 110V / 220V power supply 1x table for operator (optional)	

Version 1.0 | Status: March 2020 | Subject to modifications and errors