THERMAL SCAN

640PX THERMAL RESOLUTION

0.2 °C 0.36 °F ACCURACY

REAL-TIME CALIBRATION

0.03°C SENSITIVITY

FULL HD CAMERA

MADE IN EU — EU — QUALITY GUARANTEED

TÜV SÜD — ISO 9001

WORKSWELL MEDICAS

THERMAL CAMERA FOR FACE TEMPERATURE SCANNING

IEC and ISO compliant

The camera is compliant with ISO/TR 13154:2017, meets the requirements of **IEC** and follows the WHO and **FDA guidelines** for elevated body temperature screening.

GDPR compliant

Human temperature is analyzed **realtime** without the need of data storing. Administrator has a possibility to **set up video or image recording** if needed.

MEDICAS technical specification

MEDICAS Key features description	
Dual camera face monitoring	Visual and Thermal camera face scanning in **real-time with calibration**
Onboard software in MEDICAS with real-time measurement	MEDICAS Software for full real-time temperature scanning and control - operating system ensures the full access to all camera functions - temperature measurement **between 80 cm – 11 meters (2.6 ft – 36 ft)**
Accurate measurement	**Black body radiation** source included in the package for accurate and stable measurement in all time, real-time recalibration every 2s
LED and Buzzer alarm	Front **LED Alarm** signalization and **Buzzer Sound Alarm** in camera

Thermal camera and Black Body specification	
IR camera resolution	640 x 512 pixels
Temperature range	0 °C to +50 °C (31 °F to 122 °F) calibrated for human face scanning
Temperature sensitivity	Standard resolution 0.03 °C (30mK) for thermal differences
Accuracy	**± 0.2 °C (± 0.36 °F)** - blackbody installation at 150 cm (4.9 ft) or at 4 m (13.1 ft) for long-term precise measurement
Frame rates	Exportable version worldwide (commercial) or dual use (commercial)
Spectral range / detector	7.5 – 13.5 µm / Uncooled VOx microbolometer
Black body calibration source	Standard Black body accuracy better than ± 0.07°C High emissivity 100mm diameter surface with precision digital PID Continuous camera recalibration every 2s via black body Special pyramid surface for decreasing the reflection
Lens (field of view)	45° x 37° (spatial resolution 1.308 mrad), f/1.25
Number of people per minute	Unlimited – all people are measured in the field of view in real-time or in separate Multi-ROI for face evaluation, DIO interface external connection

Digital visual camera	
Resolution	1 920 x 1 080 pixels, 1/3" sensor for FULL HD images
Noise reduction	Special 3D noise reduction function
Focus	Autofocus

Memory and data recording	
Memory	Internal high-speed SSD 256GB for image and video recording External slot for Micro SD card for taking images
Image and video formats (as the option in ADMIN mode)	JPEG images and Digital camera Full HD JPEG images Digital camera h.264 encode video HD recording Encoded h.264 IR recording

Interfaces & real-time remote control	
Ethernet (RJ-45) port	Video streaming and camera control via MEDICAS SDK TCP/IP server, RTSP server and FTP server available on the camera
DIO interface cable	DIO interface accessories (4x digital outputs, 4x digital inputs, CANH, CANL), Max inductive load 2A, Max resistive load 5A, power supply +24V
USB and Micro USB port	Keyboard connection for MEDICAS camera control, mass storage function

Workswell MEDICAS

All pictures are only for illustration.
Real values may vary, version 201011

Micro HDMI video output	1 280 x 720 pixels (720p), Aspect ratio 16:9, Micro HDMI video output
Remote control system	MEDICAS OS ensures real-time control of all camera functions
Camera functions	**Real-time temperature correction via black body radiation source** **Measurement functions:** Automatic hot spot detection **Temperature range settings:** Manual to set the best visualization option **Two-level advanced alarm for illness detection with 2 different colors** **Camera modes:** Dual IR and Visible mode with real-time two-level alarms **Color palettes:** 6 different color palettes **Temperature units:** Celsius and Fahrenheit

Software & SDK

Camera software	On board camera firmware for online temperature alarms and analysis
Ethernet SDK	Ethernet SDK for camera integration via TCP/IP or RTSP

Power supply, weight & dimensions

Input supply voltage	230VAC / 110VAC
Power dissipation (avg.)	24W (with 24VDC power supply adapter, 1 Amps)
Camera weight	< 500 grams camera
Dimensions (L x W x H)	83 mm x 85 mm x 68 mm
Mounting holes	2 x 1/4-20 UNC thread (1x bottom side, 1x top side)
Housing material	Durable aluminium body for long-time measurement stability

Environmental conditions

Ambient temperature range	15 °C to +30 °C (59 °F – 86 °F) - no dusty, windy and foggy environment
Relative humidity	< 90% non-condensing
Storage temperature range	-30 °C to +60 °C (59 °F – 140 °F)
In the package	Camera head with lens, focus tool, Lens protection cap, Stationary Black body, Black body Calibration certificate, Black body ball adapter, Micro SD card, 5 m Micro HDMI cable, 2 x Power supply adapter, 1x Software license for analysis, Wireless Keyboard, USB micro OTG Cable, Quick start guide, Hard transport case

Workswell MEDICAS

Variable distance
80 cm - 11 m
2.6 ft - 39 ft

Dual camera
Thermal
Full HD

High resolution
640 x 512 px
327 680 points

Automatic detection
Real-time
Without delay

Operability
Unmanned
24/7

Precision
± 0.2 °C
± 0.36 °F

Contact information

WORKSWELL IN THE WORLD

Find our partners worldwide

www.workswell.eu/where-to-buy

SALES DEPARTMENT

Website: www.workswell.eu

E-mail: sales@workswell.eu

Mobile: +420 737 547 622

COMPANY CONTACT

Website: www.workswell.eu

E-mail: info@workswell.eu

Mobile: +420 725 877 063

OFFICE LOCATIONS

Europe - Prague

United States of America

Global partner network

www.workswell.eu