Jogan Thermal Checkpoint

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www.thermalcheckpoint.com

With COVID-19 many of us are asking what the “new normal” will be. Jogan Thermal Checkpoint, provides enterprise level thermal temperature scanning kiosks using precision thermal cameras, enclosures and calibration tools to emulate test environment accuracy in real world settings. The camera stabilization and calibration design criteria for our system insured we addressed the critical elements that skew temperature readings when deploying a thermal camera in environments typically affected by heat variances from open doors, drafts, heat and A/C ducts, etc.

While these checkpoints are not medical devices, they give businesses the opportunity to show customers and employees that you care, and are putting measures in place to address their safety. Our software partners offer additional features such as mask detection, sanitizer application monitoring, line queue avoidance detection, autonomous tracking via geo-spatial software and integration into access control systems. As social distancing measures relax, people need to be assured that something is being done to give them a level of comfort in these unprecedented times. The Jogan Thermal Checkpoint is a turn-key solution, made in the USA, and ready to ship with some of the shortest lead times in the industry.

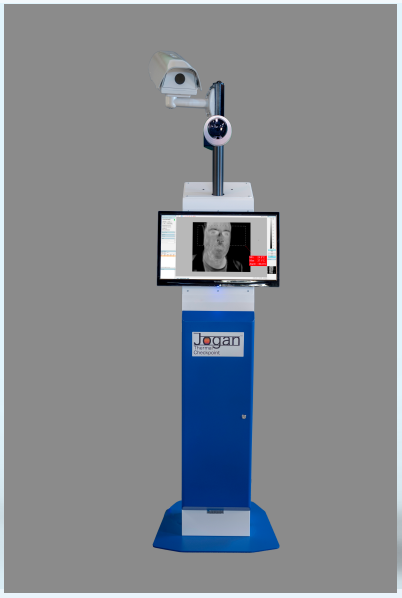
Why Us

Jogan Thermal Checkpoint offers an enterprise level comprehensive thermal imaging-based fever scanning system. Our systems utilize the latest in thermal temperature detection technologies developed by engineers with

over 100 years of collective infrared imaging experience. We have regionally distributed manufacturing, assembly and system integration for our system that is entirely made in the USA.

How It's Used

Typical installation would be at an entry point to your facility where you can channelize ingress.



Precision Thermal Core Technology

Where It's Used

Some common applications are:

- Healthcare Facilities
- Entertainment Venues
- Sports Venues
- Retail Stores
- Shopping Malls
- Distribution Centers
- Theme Parks
- Government Facilities
- Transportation Centers
- Universities
- Religious Facilities
- Office Buildings
- Corporate Campuses

- Manufacturing Sites
- Military Bases
- Casinos
- Theaters
- Schools

The Thermal Camera

The Jogan Thermal Checkpoint includes a Precision Thermal Camera specially manufactured to optimize the full functionality of the technology around the specific temperatures relevant to. human body temperatures. This precision 320 X 240 thermal core was specially selected due to the optimal performance for this application. Each camera is calibrated and packaged in a stabilized enclosure designed to closely emulate test laboratory conditions in the field. Coupled with a laboratory grade calibration device, we are able to ensure that the Jogan Thermal Checkpoint is configured to provide the most accurate temperature readings.

Stabilized Camera Housing

The Visible Camera

The Jogan Thermal Checkpoint includes a 5MP compact IP Dome Camera. This Sony CMOS camera provides a visible image in full color that allows simple identification of subject who may be determined to need additional screening and facilitates many of the features provided by our 3rd party AI software partners. This ONVIF compliant camera also streams video via H.265, H.264 and MJPEG allowing simple integration into the existing video management systems.

The Software

The Jogan Thermal Checkpoint includes software developed to ensure that your system is calibrated and provides an easy to interpret alarm indication that appears when the person in the immediate field of view exceeds the customer designated temperature threshold. The system then allows the user to receive an additional notification or output initiated by triggering a hardware I/O. This action facilitates endless integration possibilities with 3rd party systems and indicators.

The Kiosk

The Jogan Thermal Checkpoint is packaged into a purpose-built 16 gauge powder coated metal body. This system includes a 21.5” non-touch LCD monitor, locking cabinet and key, and a 6 outlet surge protected power strip. The kiosks are Made in USA and integrated in Denver, CO.

Turn-Key Kiosk

Tech Specs	
Thermal Sensor	Uncooled 320 x 240 VOx Microbolometer
Field of View	40 Degree (H)
Pixel Pitch	17 Micron
Spectral Response	7.5 – 14 Micron (LWIR)
Sensitivity	<50mK (NEDT) f/1.0 @ Room Temperature
Thermal Camera Approvals	FCC Class A, ROHS, WEEE
Optical Sensor	Sony 1/2.8” 5.0M CMOS
Effective Pixels	2592(H) x 1944(V)
Video Compression	H.265, H.264, MJPEG
Kiosk Weight	Approx 140 LBS
Input Power	110-220VAC
Monitor	21.5”
PC Spec	Intel Celeron, 4GB DDR4, 120GB SSD, Windows 10 IoT Enterprise
Accessories	Keyboard and Mouse
Network	10 / 100 Base-T
IP	IPv4
Optical Sensor Approvals	FCC, CE, IP66
Calibration Source	110-220VAC Input Power
Temp Accuracy	+/- .3 Degrees C
Output	Hardwired I/O Interface

*The Thermal Checkpoint Kiosk is not considered a medical device, not for medical use and is not for use to diagnose, prevent or treat any disease or conditions. The Thermal Checkpoint Kiosk provides a cursory tempera-ture scan, and it is at the full discretion of the user to determine any actions that may be taken based upon the information provided by the Thermal Checkpoint and/or the associated software. Sale and Export of this product outside of the US is strictly prohibited unless done so with the appropriate licensure from the appropriate US Governmental agency.