

CENTURION KIOSK IR CAMERA TOWER



The Centurion Kiosk allows employees hands-free check-in and self-badge prior to entering a facility. ICI's turnkey solution offers the convenience of automated, non-contact skin temperature measurement with an easy-to-understand pass/fail system. The on-board infrared camera and system software provide a temperature scan with an accuracy of ± 0.2 °C (0.36 °F). Facial detection and recognition is built-in and data captured automatically. Receive an e-mail when the temperature threshold is exceeded to provide additional safeguards for employees, retail customers, and patrons entering your facilities. The system is built to withstand years of unattended use and is more rugged than tripod-based solutions. Stand-alone or counter-top models available.

Features

- Pinpoint accurate skin temperature measurement
- Hands-free thermal analysis
- Facial recognition
- Dual video, infrared and visible
- Green light/red light system
- Automatic audio and visual alarms
- Unmatched image sensitivity
- Radiometric data streaming
- Record and capture functions



Centurion Kiosk

Infrared Tower Specifications

- **Detector Array:** UFPA
- **Pixel Pitch:** 17 μ m
- **FOV:** 32° x 24°
- **Measurement Distance:** lens dependent
- **Pixel Resolution:** 384 x 288
- **Spectral Band:** 7.5 μ m - 13.5 μ m
- **Thermal Sensitivity (NETD):**
< (40 mK) 0.04 °C at 30 °C (86°F)
- **Frame Rate:** 50 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** 20 °C to 50 °C (68°F to 122 °F)
- **Operation Range:** 0 °C to 50 °C (32 °F to 122 °F)
- **Storage Range:** -40 °C to 70°C (-40 °F to 158 °F)
- **Humidity:** 95%
- **Accuracy:** ± 0.2 °C (0.36 °F)
- **Pixel Operability:** > 99%
- **Shock/Vibration:** 75 G / 4 G
- **Dimensions:**
1816 mm x 241 mm x 381 mm (L x W x H ± 0.5 mm)
(71.50" x 9.49" x 15" (L x W x H ± 0.02 "))
- **Power:** 12 V DC 1 A, < 15W
- **Weight (both towers):** ~100 lbs
- **Interface:** USB 2.0, RJ-45 interface
- **Video:** UVC from infrared and visible
- **Printer:** monochrome
- **Emissivity Correction:** 0.01 to 1.0
- **IP Rating:** IP 54
- Built-in shutter
- **Visible Camera:** 1920 x 1080

Options

- Optional: color printer

THIS DEVICE IS INTENDED FOR ADJUNCTIVE USE WITH OTHER CLINICAL DIAGNOSTIC PROCEDURES TO MEASURE HUMAN BODY TEMPERATURE VIA NON-CONTACT SKIN MEASUREMENTS VISUALIZED FROM THE HUMAN FACE. NOT MEANT FOR STANDALONE CLINICAL DIAGNOSTIC PROCEDURES OR TO TREAT OR DIAGNOSE PATIENTS.

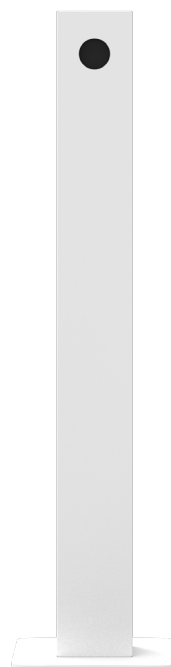


Temperature Reference Tower Specifications

- **Spectral Band:** 7.5 μm - 13.5 μm
- **Temperature Range:** 20 °C to 50 °C (68°F to 122 °F)
- **Operation Range:** 0 °C to 50 °C (32 °F to 122 °F)
- **Storage Range:** -40 °C to 70°C (-40 °F to 158 °F)
- **Humidity:** 65%
- **Accuracy:** ± 0.2 °C (0.36 °F)
- **Dimensions:**
1524 mm x 368 mm x 381 mm (L x W x H ± 0.5 mm)
(60" x 14.49" x 15" (L x W x H ± 0.02 "))
- **Power:** 12 V DC 1 A, < 15W
- **Weight (both towers):** ~100 lbs
- **Emissivity Correction:** 0.97 \pm 0.02
- **IP Rating:** IP 54

Applications

- Skin temperature measurement
- Office settings
- Public access areas
- Airport screening
- Hospital healthcare procedures
- Healthcare robotics
- Sub-acute healthcare settings
- Radiometric imaging



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