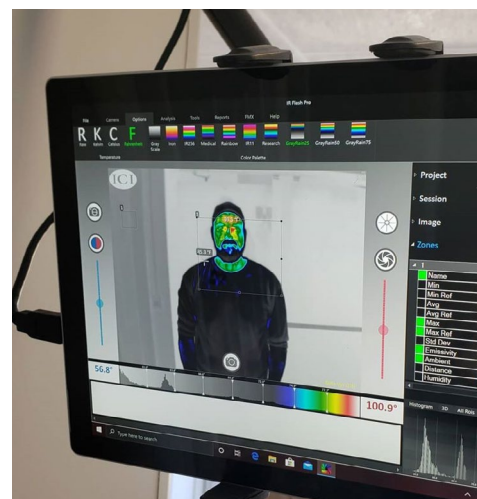
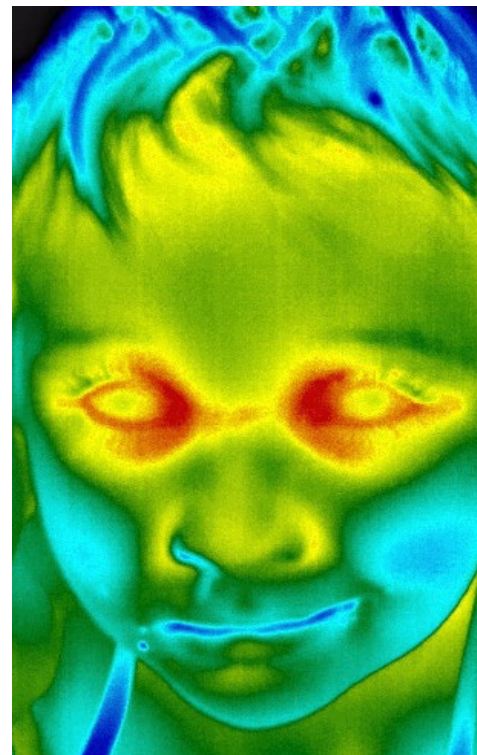
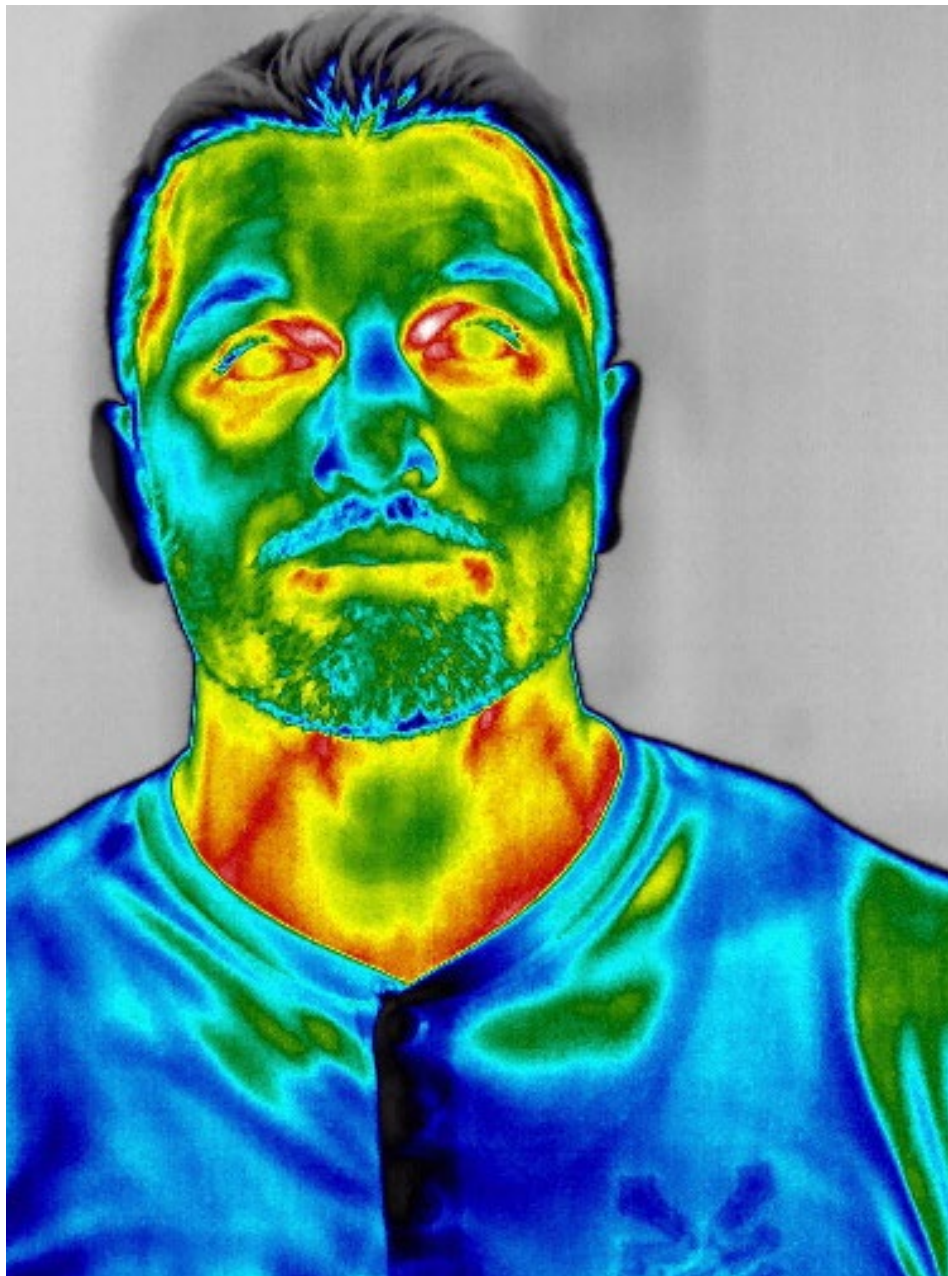


ICI

SKIN TEMPERATURE SCREENING CATALOG



FDA
510 (k)

INFRARED CAMERAS INC.

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We Are IRTM

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ABOUT ICI

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ICI manufactures complete systems and software. We can provide complete engineering, software, and OEM solutions. Our customers are some of the largest of the Fortune 500 and they rely on us for infrared equipment and thermography training, which we offer through the Infrared Training Institute.

In addition to providing custom germanium, silica, and sapphire optics, we also build windows for enclosures as well as custom pan and tilt units. We can even provide customizable explosion proof systems.

Our knowledge and experience stems from years of using infrared imaging and temperature measurement instruments to provide solutions to managers,

engineers, scientists, inspectors and operators in space, power companies, medical, pulp and paper, food industry, research and development, and various process industries. You can see our products and services used in industrial, commercial, and government applications worldwide. Additionally, our ICI 7320 was awarded “Product of the Month” by NASA*.

Originally named Texas Infrared (still DBA), Infrared Cameras Inc. has been in business since March, 1995.

Thank you for your dedicated and continued support.

The following is a partial list of our customers:

Air Liquide	Georgia Pacific	Nokia
American Aerospace	Goodyear	Novatech Engineering
Arizona State University	Google	Orbital Sciences
Baker Instruments	Harvard Medical School	Panasonic
BASF	Honeywell	Paragon Films
Bergquist	Indiana University	Purdue University
Boeing	Keystone Scientific	Raytheon
BP Solar	Kinder Morgan	Reliant NDT
Chevron Pipe Line	Lockheed Martin	Rosewell Park Cancer Institute
Columbia University	Los Alamos National Labs	SA Robotics
Dane Electric	Johns Hopkins	Sea Drill
Dartmouth College	Louisiana Pacific	Space-X
Dell	Mabry Foundry	Stanford University
Dow Chemical	Marathon Oil	Tesla Power
Exxon/Mobil	Max Planck Institute	Texas A&M University
Entergy	MD Anderson	Texas Instruments
Foxconn	Motiva	Thermocon Inc.
Firestone Polymers	NASA	University of Texas
General Electric	Nissan	3M

*Volume 33 No. 2, February 2009 edition of NASA Tech Briefs

8320 P SERIES IR CAMERA

The ICI 8320 P Series IR Camera offers unmatched image sensitivity and accuracy in a 320 x 240 radiometric imager. With less than 5 cubic inches in overall dimension, the P Series IR Camera fits in the tightest of areas. It can be integrated into metal detectors and existing security systems. The imager operates on less than 1 W of power via a USB 2.0 connection, providing real time radiometric data streamed directly to any desktop, laptop, tablet, or embedded system. Windows and Linux software, drivers and SDK are available for any and all custom applications. Includes IR Flash version 1.0 Software.



Features

- Unmatched Image Sensitivity
- Multi-device linking
- Radiometric data streaming
- Integrates into embedded systems
- Windows and Linux software
- Small size
- Light weight
- Low power < 1 W by USB
- Drivers and SDK available

Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings



Specifications

- **Detector Array:** FPA (VOx)
- **Pixel Pitch:** 17 μ m
- **Pixel Resolution:** 320 x 240
- **Spectral Band:** 7 μ m to 14 μ m
- **Thermal Sensitivity (NETD):** < 0.02 $^{\circ}$ C at 30 $^{\circ}$ C (20 mK)
- **Frame Rate:** 60 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** 0 $^{\circ}$ C to 50 $^{\circ}$ C
- **Operation Range:** -40 $^{\circ}$ C to 80 $^{\circ}$ C
- **Storage Range:** -40 $^{\circ}$ C to 70 $^{\circ}$ C
- **Accuracy:** \pm 0.1 $^{\circ}$ C to 0.2 $^{\circ}$ C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions** (without lens): 45 mm x 45 mm x 39 mm (H x W x D \pm .5 mm)
- **Power:** < 1 W
- **Weight** (without lens): 37 g
- USB 2.0 for Power Data
- Built in shutter
- Aluminum enclosure

Lens Options

- 4.1 mm Manual focus lens (80 $^{\circ}$ x 60 $^{\circ}$ FOV, +116 g)
- 5 mm Manual focus lens (58 $^{\circ}$ x 44.5 $^{\circ}$ FOV, +44 g)
- 8 mm Manual focus lens (40 $^{\circ}$ x 30 $^{\circ}$ FOV, +50 g)
- 9 mm Athermalized focus lens (35 $^{\circ}$ x 26 $^{\circ}$ FOV, +40 g)
- 12.5 mm Manual focus lens (25 $^{\circ}$ x 18.8 $^{\circ}$ FOV, +64 g)
- 16.7 mm Athermalized focus lens (18.8 $^{\circ}$ x 14 $^{\circ}$ FOV, +25 g)
- 25 mm Athermalized focus lens (12.4 $^{\circ}$ x 9.3 $^{\circ}$ FOV, +50 g)
- 30 mm Manual focus lens (10 $^{\circ}$ x 7.5 $^{\circ}$ FOV, +100 g)
- 35 mm Athermalized focus lens (8.8 $^{\circ}$ x 6.6 $^{\circ}$ FOV, +100 g)
- 50 mm Manual focus lens (6.2 $^{\circ}$ x 4.7 $^{\circ}$ FOV, +170 g)
- 100 mm Manual focus lens (3.1 $^{\circ}$ x 2.4 $^{\circ}$ FOV, +565 g)



Recommended System Requirements:

- Processor: i5 or above
- RAM: 4 GB or above
- OS: Windows 8/8.1/10
- Hard Drive: 256 GB or above

8320 S SERIES IR CAMERA

The ICI 8320 S Series IR Camera offers unmatched image sensitivity and accuracy in a 320 x 240 radiometric imager. With less than 5 cubic inches in overall dimension, the S Series IR Camera fits in the tightest of areas and can be integrated into metal detectors as well as existing security systems. The imager operates on less than 1 W of power via a USB 2.0 connection, providing real time radiometric data streamed directly to any desktop, laptop, tablet, or embedded system. Windows and Linux software, drivers and SDK are available for any and all custom applications. Includes IR Flash version 1.0 Software.



Features

- Unmatched Image Sensitivity
- Multi-device linking
- Radiometric data streaming
- Integrates into embedded systems
- Windows and Linux software
- Small size
- Light weight
- Low power < 1 W by USB
- Drivers and SDK available

Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings



Specifications

- **Detector Array:** FPA (VOx)
- **Pixel Pitch:** 17 μ m
- **Pixel Resolution:** 320 x 240
- **Spectral Band:** 7 μ m to 14 μ m
- **Thermal Sensitivity (NETD):** < 0.02 $^{\circ}$ C at 30 $^{\circ}$ C (20 mK)
- **Frame Rate:** 9 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** 0 $^{\circ}$ C to 50 $^{\circ}$ C
- **Operation Range:** -40 $^{\circ}$ C to 80 $^{\circ}$ C
- **Storage Range:** -40 $^{\circ}$ C to 70 $^{\circ}$ C
- **Accuracy:** \pm 0.1 $^{\circ}$ C to 0.2 $^{\circ}$ C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions** (without lens): 45 mm x 45 mm x 39 mm (H x W x D \pm .5 mm)
- **Power:** < 1 W
- **Weight** (without lens): 37 g
- USB 2.0 for Power & Data
- Built in shutter
- Aluminum enclosure

Lens Options

- 4.1 mm Manual focus lens (80 $^{\circ}$ x 60 $^{\circ}$ FOV, +116 g)
- 5 mm Manual focus lens (58 $^{\circ}$ x 44.5 $^{\circ}$ FOV, +44 g)
- 8 mm Manual focus lens (40 $^{\circ}$ x 30 $^{\circ}$ FOV, +50 g)
- 9 mm Athermalized focus lens (35 $^{\circ}$ x 26 $^{\circ}$ FOV, +40 g)
- 12.5 mm Manual focus lens (25 $^{\circ}$ x 18.8 $^{\circ}$ FOV, +64 g)
- 16.7 mm Athermalized focus lens (18.8 $^{\circ}$ x 14 $^{\circ}$ FOV, +25 g)
- 25 mm Athermalized focus lens (12.4 $^{\circ}$ x 9.3 $^{\circ}$ FOV, +50 g)
- 30 mm Manual focus lens (10 $^{\circ}$ x 7.5 $^{\circ}$ FOV, +100 g)
- 35 mm Athermalized focus lens (8.8 $^{\circ}$ x 6.6 $^{\circ}$ FOV, +100 g)
- 50 mm Manual focus lens (6.2 $^{\circ}$ x 4.7 $^{\circ}$ FOV, +170 g)
- 100 mm Manual focus lens (3.1 $^{\circ}$ x 2.4 $^{\circ}$ FOV, +565 g)



• Recommended System Requirements:

- Processor: i5 or above
- RAM: 4 GB or above
- OS: Windows 8/8.1/10
- Hard Drive: 256 GB or above

8640 P SERIES IR CAMERA

The ICI 8640 P Series IR Camera offers unmatched image sensitivity and accuracy in a 640 x 512 radiometric imager. With less than 5 cubic inches in overall dimension the camera fits in the tightest of areas. The S-Series IR Camera operates on less than 1 W of power, via a USB 2.0 connection, providing real time radiometric data streamed directly to any desktop, laptop, tablet or embedded system. Windows and Linux software, drivers and SDK are available for any and all custom applications. Includes IR Flash Software version 1.0.



Features

- Unmatched Image Sensitivity
- Multi-device linking
- Radiometric data streaming
- Integrates into embedded systems
- Windows and Linux software
- Small size
- Light weight
- Low power < 1 W by USB
- Drivers and SDK available

Specifications

- **Detector Array:** UFPa (VOx)
 - **Pixel Pitch:** 17 μ m
 - **Pixel Resolution:** 640 x 512
 - **Spectral Band:** 7 μ m to 14 μ m
 - **Thermal Sensitivity (NETD):** < 0.02 $^{\circ}$ C at 30 $^{\circ}$ C (20 mK)
 - **Frame Rate:** 30 Hz P-Series
 - **Dynamic Range:** 14-bit
 - **Temperature Range:** 0 $^{\circ}$ C to 50 $^{\circ}$ C
 - **Operation Range:** -40 $^{\circ}$ C to 80 $^{\circ}$ C
 - **Storage Range:** -40 $^{\circ}$ C to 70 $^{\circ}$ C
 - **Accuracy:** \pm 0.1 $^{\circ}$ C to 0.2 $^{\circ}$ C
 - **Pixel Operability:** > 99 %
 - 75 G Shock / 4 G Vibration
 - **Dimensions** (without lens): 45 x 45 x 39 mm (H x W x D \pm .5 mm)
 - **Power:** < 1 W
 - **Weight** (without lens): 37 g
 - USB 2.0 for Power & Data
 - Built in shutter
 - Aluminum enclosure
- **Recommended System Requirements:**
Processor: i5 or above
RAM: 4 GB or above
OS: Windows 8/8.1/10
Hard Drive: 256 GB or above

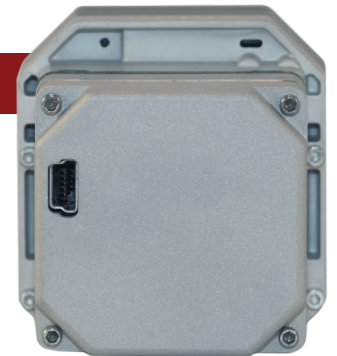
Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

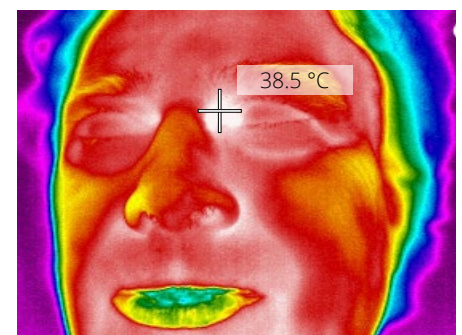


Lens Options

- 8 mm Manual focus lens (80 $^{\circ}$ x 60 $^{\circ}$ FOV, +50 g)
- 9 mm Athermalized focus lens (70 $^{\circ}$ x 52 $^{\circ}$ FOV, +40 g)
- 12.5 mm Manual focus lens (50 $^{\circ}$ x 37.5 $^{\circ}$ FOV, +64 g)
- 16.7 mm Athermalized focus lens (37.5 $^{\circ}$ x 28 $^{\circ}$ FOV, +25 g)
- 25 mm Athermalized focus lens (24.8 $^{\circ}$ x 18.6 $^{\circ}$ FOV, +50 g)
- 30 mm Manual focus lens (20 $^{\circ}$ x 15 $^{\circ}$ FOV, +100 g)
- 35 mm Athermalized focus lens (17.6 $^{\circ}$ x 13.2 $^{\circ}$ FOV, +100 g)
- 50 mm Manual focus lens (12.4 $^{\circ}$ x 9.3 $^{\circ}$ FOV, +170 g)
- 100 mm Manual focus lens (6.2 $^{\circ}$ x 4.7 $^{\circ}$ FOV, 565 g)



Fever Screening



8640 S SERIES IR CAMERA

The ICI 8640 S Series IR Camera offers unmatched image sensitivity and accuracy in a 640 x 512 radiometric imager. With less than 5 cubic inches in overall dimension the camera fits in the tightest of areas. The S-Series IR Camera operates on less than 1 W of power, via a USB 2.0 connection, providing real time radiometric data streamed directly to any desktop, laptop, tablet or embedded system. Windows and Linux software, drivers and SDK are available for any and all custom applications. Includes IR Flash Software version 1.0.



Features

- Unmatched Image Sensitivity
- Multi-device linking
- Radiometric data streaming
- Integrates into embedded systems
- Windows and Linux software
- Small size
- Light weight
- Low power < 1 W by USB
- Drivers and SDK available

Specifications

- **Detector Array:** UFPa (VOx)
 - **Pixel Pitch:** 17 μm
 - **Pixel Resolution:** 640 x 512
 - **Spectral Band:** 7 μm to 14 μm
 - **Thermal Sensitivity (NETD):** < 0.02 $^{\circ}\text{C}$ at 30 $^{\circ}\text{C}$ (20 mK)
 - **Frame Rate:** 9 Hz P-Series
 - **Dynamic Range:** 14-bit
 - **Temperature Range:** 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
 - **Operation Range:** -40 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$
 - **Storage Range:** -40 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$
 - **Accuracy:** ± 0.1 $^{\circ}\text{C}$ to 0.2 $^{\circ}\text{C}$
 - **Pixel Operability:** > 99 %
 - 75 G Shock / 4 G Vibration
 - **Dimensions** (without lens): 45 x 45 x 39 mm (H x W x D $\pm .5$ mm)
 - **Power:** < 1 W
 - **Weight** (without lens): 37 g
 - USB 2.0 for Power & Data
 - Built in shutter
 - Aluminum enclosure
- **Recommended System Requirements:**
Processor: i5 or above
RAM: 4 GB or above
OS: Windows 8/8.1/10
Hard Drive: 256 GB or above

Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

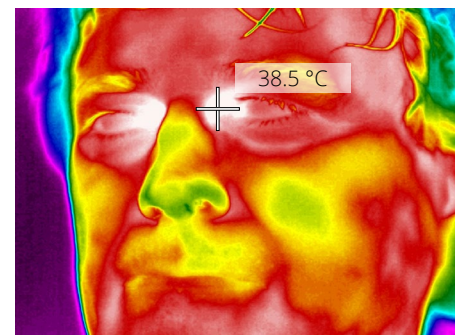
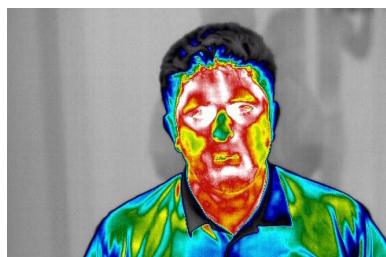


Lens Options

- 8 mm Manual focus lens (80 $^{\circ}$ x 60 $^{\circ}$ FOV, +50 g)
- 9 mm Athermalized focus lens (70 $^{\circ}$ x 52 $^{\circ}$ FOV, +40 g)
- 12.5 mm Manual focus lens (50 $^{\circ}$ x 37.5 $^{\circ}$ FOV, +64 g)
- 16.7 mm Athermalized focus lens (37.5 $^{\circ}$ x 28 $^{\circ}$ FOV, +25 g)
- 25 mm Athermalized focus lens (24.8 $^{\circ}$ x 18.6 $^{\circ}$ FOV, +50 g)
- 30 mm Manual focus lens (20 $^{\circ}$ x 15 $^{\circ}$ FOV, +100 g)
- 35 mm Athermalized focus lens (17.6 $^{\circ}$ x 13.2 $^{\circ}$ FOV, +100 g)
- 50 mm Manual focus lens (12.4 $^{\circ}$ x 9.3 $^{\circ}$ FOV, +170 g)
- 100 mm Manual focus lens (6.2 $^{\circ}$ x 4.7 $^{\circ}$ FOV, 565 g)



Fever Screening



FM 320 P SERIES IR CAMERA



The ICI FM 320 P Series IR Camera is a skin temperature screening infrared camera system with a 384 x 288 pixel resolution. It features high accuracy as well as sound and image capture alarms. On-line artificial intelligence algorithm to measure across large areas. This makes the FM 320 perfect for non-contact temperature measurement and radiometric imaging in public areas. Meets ISO/TR 13154 standards.

Features

- Automatic alarm capture
- Sound alarm
- Continuous video recording
- Hot spot tracker
- Synchronous display
- Intelligent calibration

Specifications

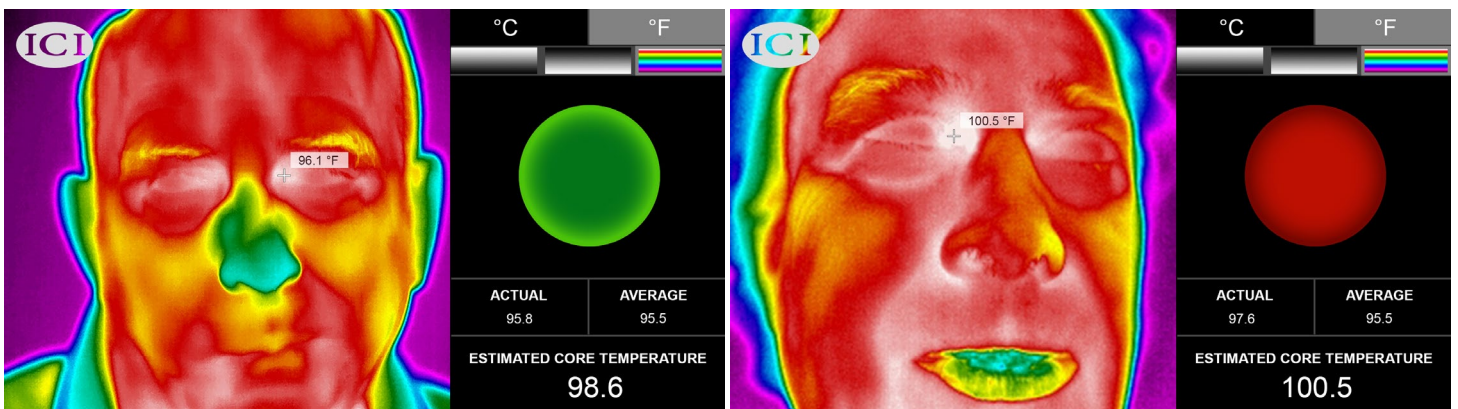
- **Detector Array:** Uncooled FPA
 - **Pixel Resolution:** 384 x 288
 - **Spectral Band:** 8 μm to 14 μm
 - **Thermal Sensitivity (NETD):** < 0.05 $^{\circ}\text{C}$ at 30 $^{\circ}\text{C}$ (50 mK)
 - **Frame Rate:** 50-60 Hz
 - **Temperature Range:** 20 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
 - **Operation Range:** 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
 - **Storage Range:** 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
 - **Video:** RAW, AVI, and CSV
 - **Accuracy:** ± 0.3 $^{\circ}\text{C}$
 - **Pixel Operability:** > 99 %
 - **Visible Camera:** 1920x1080
 - **Data Transmission:** RJ-45 Ethernet
- **Recommended System Requirements:**
 Processor: i5 or above
 RAM: 4 GB or above
 OS: Windows 8/8.1/10
 Hard Drive: 256 GB or above

Applications

- Skin temperature screening
- Radiometric imaging
- Public screening
- Scientific research

Accessories

- Blackbody
- Integrated visible camera



FM 640 P SERIES IR CAMERA

The ICI FM 640 P Series IR Camera is a skin temperature screening infrared camera system with a 640 x 512 pixel resolution. It features high accuracy as well as sound and image capture alarms. On-line artificial intelligence algorithm to measure across large areas. This makes the FM 640 perfect for non-contact temperature measurement and radiometric imaging in public areas. Meets ISO/TR 13154 standards.



Features

- Automatic alarm capture
- Sound alarm
- Continuous video recording
- Hot spot tracker
- Synchronous display
- Intelligent calibration

Applications

- Skin temperature screening
- Radiometric imaging
- Public screening
- Scientific research

Specifications

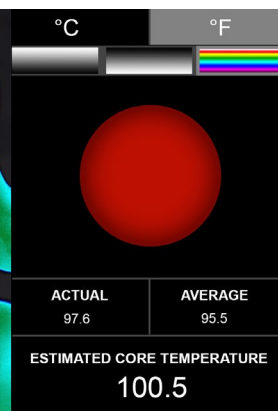
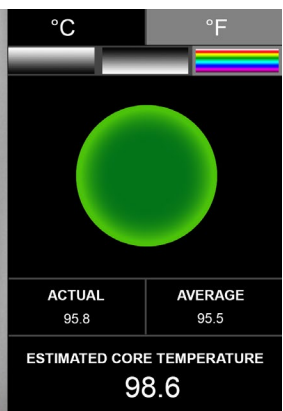
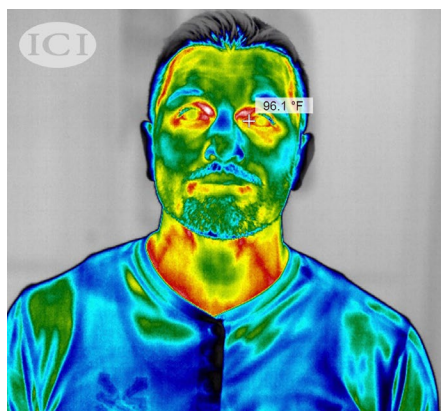
- **Detector Array:** Uncooled FPA
- **Pixel Resolution:** 640 x 512
- **Spectral Band:** 8 μm to 14 μm
- **Thermal Sensitivity (NETD):** < 0.05 $^{\circ}\text{C}$ at 30 $^{\circ}\text{C}$ (50 mK)
- **Frame Rate:** 30 Hz
- **Temperature Range:** 20 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
- **Operation Range:** 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
- **Storage Range:** 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
- **Video:** RAW, AVI, and CSV
- **Accuracy:** ± 0.3 $^{\circ}\text{C}$
- **Pixel Operability:** > 99 %
- **Visible Camera:** 1920x1080
- **Data Transmission:** RJ-45 Ethernet

Recommended System Requirements:

Processor: i5 or above
 RAM: 4 GB or above
 OS: Windows 8/8.1/10
 Hard Drive: 256 GB or above

Accessories

- Blackbody
- Integrated visible camera



FM 384 P SERIES IR CAMERA

The ICI FM 384 P Series IR Camera system is a lightweight, compact solution for long-term skin temperature data collection. Radiometric information is streamed directly to any desktop, laptop, tablet, or embedded system. The FM 384 rapidly provides accurate temperature measurements within ± 0.2 °C. Features dual-sensors paired with a visible CMOS camera. Gives you audio and visual alert feedback when high temperatures are detected. The system is CE and ISO9001 compliant.



Features

- Unmatched image sensitivity
- Radiometric data streaming
- Audio and visual alarms
- Record and capture functions
- Multi-IR video mode
- ISO9001 & CE compliant

Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

Specifications

- **Detector Array:** UFPA
- **Pixel Resolution:** 384 x 288
- **Spectral Band:** 7.5 μm to 14 μm
- **Thermal Sensitivity (NETD):** < 0.05 °C at 30 °C (50 mK)
- **FOV:** 25° x 16°
- **Measurement Distance:** 2 m ~ 8 m
- **Dynamic Range:** 14-bit
- **Temperature Range:** 30 °C to 45 °C
- **Operation Range:** -30 °C to 60 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** ± 0.2 °C
- **Pixel Operability:** $> 99\%$
- 25 G Shock / 2 G Vibration
- **Emissivity Correction:** 0.01 to 1.0
- **Visible Camera:** 1/2.8" CMOS, 1920 x 1080, 25°x16° FOV
- **Video Format:** UVC (USB video class) from infrared and visible
- **Internet Interface:** 100M/1000M LAN, RJ45 interface
- Atmospheric and background adjustments
- Automatic audio and visual alarms
- Multi-target support
- Storage control via trigger

- **Function Settings:** Date/time, temperature unit (°C, °F, or K), and language
- **Humidity:** $\leq 95\%$ (RH)
- **Operation Voltage:** DC12V
- **Power:** < 30 W
- **Weight** (without lens): ≤ 850 g
- **Dimensions:** 236 mm x 130 mm x 80 mm (L x W x H $\pm .5$ mm)
- ISO9001 & CE compliant
- **Recommended System Requirements:**
Processor: Intel Core i5 or above
RAM: 4 GB or above
OS: Windows 8/8.1/10
Hard Drive: 256 GB or above

Options & Accessories

- Integrated cable
- Blackbody
- Tripod

Blackbody calibration



Standard 1/4" mount for tripod or surface fixed mounting

FMX 400 P SERIES IR CAMERA

The FMX 400 P Series IR Camera is a 50/60 Hz imager with unmatched sensitivity and accuracy. It is a 384 x 288 radiometric imager that provides real-time thermal imaging. Radiometric data can be streamed directly to any desktop, laptop, or embedded system. It is designed to be used adjunctively with other diagnostic tools. The FMX 400 has IP54, IP65, NEMA 9 Class 1 Div.1, Class 1 Div.2 environmental protections. Explosion proof housing is optional. Includes IR Flash Software version 1.0 for analysis and report building.



Features

- Unmatched image sensitivity
- Radiometric data streaming
- Integrates into embedded systems
- Displays real time color thermal images
- 10 Color palettes
- Alarms trigger
- Spot/Area/Isotherm
- Small Size, light weight
- Low power

Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

Specifications

- **Detector Array:** UFPA
 - **Pixel Resolution:** 384 x 288
 - **Spectral Band:** 8 μ m-14 μ m
 - **Lens:** 7.8 mm Electronic focus lens
 - **Thermal Sensitivity (NETD):** <0.03 °C at 30 °C
 - **Frame Rate:** 50 Hz to 60 Hz NTSC/PAL
 - **Temperature Range:** -20 °C to 50 °C
 - **Operation Range:** -15 °C to 50 °C
 - **Storage Range:** -40 °C to 70 °C
 - **Accuracy:** \pm 0.3 °C
 - **Protection:** IP54, IP65, NEMA 9 Class 1 Div.1, Class 1 Div.2
 - **Image Display:** real-time color thermal images
 - **Pixel Operability:** >99%
 - **Dimensions:** 183 mm x 77.6 mm x 67.6 mm (L x W x H +/- .5 mm)
 - **Weight:** 500 g - without lens
 - **Power:** AC adapter, 110V/220V
 - **Ethernet:** TCP, DHCP ICI proprietary RAW streaming
 - Alarms trigger
 - Spot/Area/Isotherm
 - 1/4" standard tripod mounting
-
- **Recommended System Requirements:**
 - Processor: i5 or above
 - RAM: 4 GB or above
 - OS: Windows 8/8.1/10
 - Hard Drive: 256 GB or above

Options & Accessories

- Blackbody (optional)
- Tripod (optional)
- Explosion proof housing (optional)



FMX 320 P SERIES IR CAMERA

The FMX 320 P Series IR Camera is a 30 Hz imager with unmatched sensitivity and accuracy. It is a 320 x 240 radiometric imager operating on 10 W of power via a PoE (Power over Ethernet) connection. The device provides real-time radiometric data streamed directly to any desktop, laptop, or embedded system. It is designed to be used adjunctively with other diagnostic tools. Includes IR Flash Software version 1.0 for analysis and report building. Windows and Linux software, drivers and SDKs are available for custom applications.



Features

- Unmatched image sensitivity
- Multi-device linking
- Radiometric data streaming
- Integrates into embedded systems
- Windows and Linux software
- Small size
- Light weight
- Low power < 1 W by USB
- Drivers and SDK available

Applications

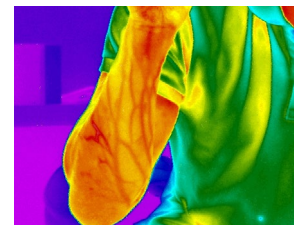
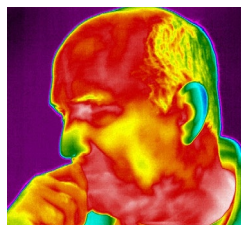
- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

Specifications

- **Detector Array:** UFPA (VOx)
 - **Pixel Pitch:** 17µm
 - **Pixel Resolution:** 320 x 240
 - **Spectral Band:** 7µm-14µm
 - **Thermal Sensitivity (NETD):** <0.02 °C at 30 °C
 - **Frame Rate:** 50 Hz
 - **Dynamic Range:** 14-bit
 - **Temperature Range:** 0 °C to 50 °C
 - **Operation Range:** -40 °C to 80 °C
 - **Accuracy:** ± 0.1 °C to 0.2 °C
 - **Pixel Operability:** >99%
 - 75G Shock / 4G Vibration
 - **Dimensions:** 45mm x 39mm x 38mm (HxWxD +/- .5mm) - without lens
 - **Weight:** 74.5 g - without lens
 - **Power:** POE (Power over Ethernet)
 - Built in shutter
 - Aluminum enclosure
- **Recommended System Requirements:**
Processor: i5 or above
RAM: 4 GB or above
OS: Windows 8/8.1/10
Hard Drive: 256 GB or above

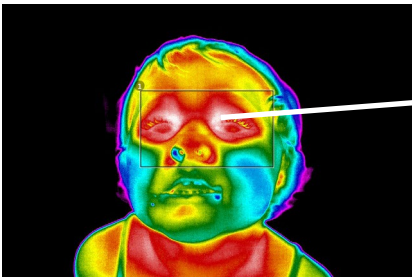
Lens Options

- 4.1 mm Manual focus lens (80° x 60° FOV, +116 g)
- 5 mm Manual focus lens (58° x 44.5° FOV, +44 g)
- 8 mm Manual focus lens (40° x 30° FOV, +50 g)
- 9 mm Athermalized focus lens (35° x 26° FOV, +40 g)
- 12.5 mm Manual focus lens (25° x 18.8° FOV, +64 g)
- 16.7 mm Athermalized focus lens (18.8° x 14° FOV, +25 g)
- 25 mm Athermalized focus lens (12.4° x 9.3° FOV, +50 g)
- 30 mm Manual focus lens (10° x 7.5° FOV, +100 g)
- 35 mm Athermalized focus lens (8.8° x 6.6° FOV, +100 g)
- 50 mm Manual focus lens (6.2° x 4.7° FOV, +170 g)
- 100 mm Manual focus lens (3.1° x 2.4° FOV, +565 g)



Remove glasses before scanning

Temperature Screening



39.28 °C
(102.7 °F)

Germanium Lens with
9 field of view options

Works with most standard
sized tripods

Power over ethernet for
real-time radiometric data

320 x 240

75G Shock &
4G Vibration



FMX 320 S SERIES IR CAMERA

The fixed mounted FMX 320 S Series IR Camera is a 9 Hz imager with unmatched sensitivity and accuracy. It is a 320 x 240 radiometric imager operating on 10 W of power via a PoE (Power over Ethernet) connection. The device provides real-time radiometric data streamed directly to any desktop, laptop, or embedded system. It is designed to be used adjunctively with other diagnostic tools. Includes IR Flash Software version 1.0 for analysis and report building. Windows and Linux software, drivers and SDKs are available for custom applications.



Features

- Unmatched image sensitivity
- Multi-device linking
- Radiometric data streaming
- Integrates into embedded systems
- Windows and Linux software
- Small size
- Light weight
- Low power < 1 W by USB
- Drivers and SDK available

Applications

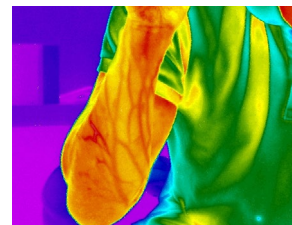
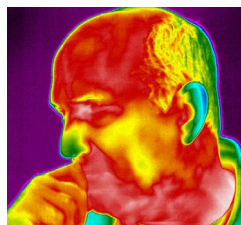
- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

Specifications

- **Detector Array:** UFPA (VOx)
 - **Pixel Pitch:** 17µm
 - **Pixel Resolution:** 320 x 240
 - **Spectral Band:** 7µm-14µm
 - **Thermal Sensitivity (NETD):** <0.02 °C at 30 °C
 - **Frame Rate:** 9 Hz
 - **Dynamic Range:** 14-bit
 - **Temperature Range:** 0 °C to 50 °C
 - **Operation Range:** -40 °C to 80 °C
 - **Accuracy:** ± 0.1 °C to 0.2 °C
 - **Pixel Operability:** >99%
 - 75G Shock / 4G Vibration
 - **Dimensions:** 45mm x 39mm x 38mm (HxWxD +/- .5mm) - without lens
 - **Weight:** 74.5 g - without lens
 - **Power:** POE (Power over Ethernet)
 - Built in shutter
 - Aluminum enclosure
- **Recommended System Requirements:**
Processor: i5 or above
RAM: 4 GB or above
OS: Windows 8/8.1/10
Hard Drive: 256 GB or above

Lens Options

- 4.1 mm Manual focus lens (80° x 60° FOV, +116 g)
- 5 mm Manual focus lens (58° x 44.5° FOV, +44 g)
- 8 mm Manual focus lens (40° x 30° FOV, +50 g)
- 9 mm Athermalized focus lens (35° x 26° FOV, +40 g)
- 12.5 mm Manual focus lens (25° x 18.8° FOV, +64 g)
- 16.7 mm Athermalized focus lens (18.8° x 14° FOV, +25 g)
- 25 mm Athermalized focus lens (12.4° x 9.3° FOV, +50 g)
- 30 mm Manual focus lens (10° x 7.5° FOV, +100 g)
- 35 mm Athermalized focus lens (8.8° x 6.6° FOV, +100 g)
- 50 mm Manual focus lens (6.2° x 4.7° FOV, +170 g)
- 100 mm Manual focus lens (3.1° x 2.4° FOV, +565 g)



Remove glasses before scanning

FMX 640 P SERIES IR CAMERA

The fixed mounted FMX 640 P Series IR Camera is a 50 Hz imager with unmatched sensitivity and accuracy. It is a 640 x 512 radiometric imager operating on 10 W of power via a PoE (Power over Ethernet) connection. The device provides real-time radiometric data streamed directly to any desktop, laptop, or embedded system. It is designed to be used adjunctively with other diagnostic tools. Includes IR Flash Software version 1.0 for analysis and report building. Windows and Linux software, drivers and SDKs are available for custom applications.



Features

- Unmatched image sensitivity
- Multi-device linking
- Radiometric data streaming
- Integrates into embedded systems
- Windows and Linux software
- Small size
- Light weight
- Low power < 1 W by USB
- Drivers and SDK available

Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17µm
- **Pixel Resolution:** 640 x 512
- **Spectral Band:** 7µm-14µm
- **Thermal Sensitivity (NETD):** <0.02 °C at 30 °C
- **Frame Rate:** 50 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** 0 °C to 50 °C
- **Operation Range:** -40 °C to 80 °C
- **Accuracy:** ± 0.1 °C to 0.2 °C
- **Pixel Operability:** >99%
- 75G Shock / 4G Vibration
- **Dimensions:** 45mm x 39mm x 38mm (HxWxD +/- .5mm) - without lens
- **Weight:** 74.5 g - without lens
- **Power:** POE (Power over Ethernet)
- Built in shutter
- Aluminum enclosure

Lens Options

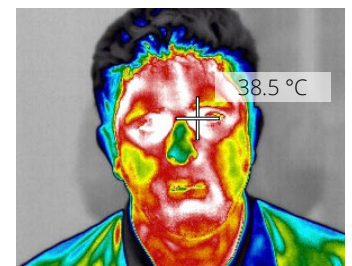
- 8 mm Manual focus lens (80° x 60° FOV, +50 g)
- 9 mm Athermalized focus lens (70° x 52° FOV, +40 g)
- 12.5 mm Manual focus lens (50° x 37.5° FOV, +64 g)
- 16.7 mm Athermalized focus lens (37.5° x 28° FOV, +25 g)
- 25 mm Athermalized focus lens (24.8° x 18.6° FOV, +50 g)
- 30 mm Manual focus lens (20° x 15° FOV, +100 g)
- 35 mm Athermalized focus lens (17.6° x 13.2° FOV, +100 g)
- 50 mm Manual focus lens (12.4° x 9.3° FOV, +170 g)
- 100 mm Manual focus lens (6.2° x 4.7° FOV, 565 g)



Recommended System Requirements:

Processor: i5 or above
RAM: 4 GB or above
OS: Windows 8/8.1/10
Hard Drive: 256 GB or above

Remove glasses before scanning



The fixed mounted FMX 640 S Series IR Camera is a 9 Hz imager with unmatched sensitivity and accuracy. It is a 640 x 512 radiometric imager operating on 10 W of power via a PoE (Power over Ethernet) connection. The device provides real-time radiometric data streamed directly to any desktop, laptop, or embedded system. It is designed to be used adjunctively with other diagnostic tools. Includes IR Flash Software version 1.0 for analysis and report building. Windows and Linux software, drivers and SDKs are available for custom applications.



Features

- Unmatched image sensitivity
- Multi-device linking
- Radiometric data streaming
- Integrates into embedded systems
- Windows and Linux software
- Small size
- Light weight
- Low power < 1 W by USB
- Drivers and SDK available

Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17µm
- **Pixel Resolution:** 640 x 512
- **Spectral Band:** 7µm-14µm
- **Thermal Sensitivity (NETD):** <0.02 °C at 30 °C
- **Frame Rate:** 9 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** 0 °C to 50 °C
- **Operation Range:** -40 °C to 80 °C
- **Accuracy:** ± 0.1 °C to 0.2 °C
- **Pixel Operability:** >99%
- 75G Shock / 4G Vibration
- **Dimensions:** 45mm x 39mm x 38mm (HxWxD +/- .5mm) - without lens
- **Weight:** 74.5 g - without lens
- **Power:** POE (Power over Ethernet)
- Built in shutter
- Aluminum enclosure

Lens Options

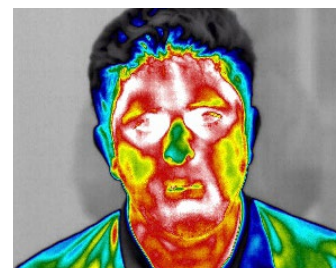
- 8 mm Manual focus lens (80° x 60° FOV, +50 g)
- 9 mm Athermalized focus lens (70° x 52° FOV, +40 g)
- 12.5 mm Manual focus lens (50° x 37.5° FOV, +64 g)
- 16.7 mm Athermalized focus lens (37.5° x 28° FOV, +25 g)
- 25 mm Athermalized focus lens (24.8° x 18.6° FOV, +50 g)
- 30 mm Manual focus lens (20° x 15° FOV, +100 g)
- 35 mm Athermalized focus lens (17.6° x 13.2° FOV, +100 g)
- 50 mm Manual focus lens (12.4° x 9.3° FOV, +170 g)
- 100 mm Manual focus lens (6.2° x 4.7° FOV, 565 g)

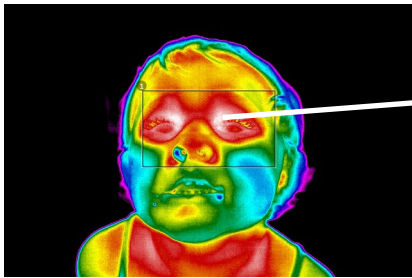


Recommended System Requirements:

- Processor: i5 or above
- RAM: 4 GB or above
- OS: Windows 8/8.1/10
- Hard Drive: 256 GB or above

Remove glasses before scanning





39.28 °C
(102.7 °F)

Germanium Lens with
9 field of view options

Works with most standard
sized tripods

Power over ethernet for
real-time radiometric data

640 x 512

75G Shock &
4G Vibration



IR-PAD 320 P SERIES IR CAMERA

The ICI P Series IR Camera is the perfect combination for capturing images in 320 x 240 pixel resolution quality. It is ideal for indoor use and is a superior thermal imaging product for field work. This ultra rugged imager uses our custom ICI P Series IR Camera infrared camera to capture all of your thermal images and stores them on a 128GB Hard Drive. The unbeatable design is capable of meeting any thermography needs you may encounter in the field. Includes our ICI IR Flash Software version 1.0.



Features

- IR Camera + tablet system
- Unparalleled image resolution
- Widescreen viewing
- Heavy duty tablet case
- Bluetooth connectivity
- Indoor/outdoor use
- Adjustable neckstrap and stand
- IR Flash version 1.0 Software
- 8 Palettes including B&W

Applications

This device is intended for use as an adjunct to other clinical diagnostic procedures in the diagnosis, quantifying, and screening of relative skin surface temperature.

Environment of use: Hospitals, Sub-Acute Healthcare Settings, and Public Areas i.e. airports.



Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 μm
- **Pixel Resolution:** 320 x 240
- **Spectral Band:** 7 μm to 14 μm
- **Thermal Sensitivity (NETD):** < 0.02 $^{\circ}\text{C}$ at 30 $^{\circ}\text{C}$ (20 mK)
- **Frame Rate:** 60 Hz P-Series
- **Dynamic Range:** 14-bit
- **Temperature Range:** 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$
- **Operation Range:** -40 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$
- **Storage Range:** -40 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$
- **Accuracy:** ± 0.1 $^{\circ}\text{C}$ to 0.2 $^{\circ}\text{C}$
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions (without lens):** 209 mm x 311 mm x 19 mm (H x W x D $\pm .5$ mm)
- **Weight (without lens):** 1400 g
- USB 2.0 for Power & Data
- USB, HD video out
- Built in shutter
- Internal NUC
- **Power:** Built-in, Rechargeable
- **Operating System:** Windows 10
- ICI IR Flash Software version 1.0
- Screen size: 12"
- Screen resolution: 2160x1440 16:9 (widescreen)
- **Processor:** 4th Gen Intel Core i5
- **Storage:** 128 GB
- **RAM:** 4 GB
- **Touch:** Multi-touch
- Wi-Fi 802.11ac/802.11 a/b/g/n
- Bluetooth® 4.0 low energy
- Digital compass
- **Digital cameras:** 5 MP rear facing camera 5 MP front facing camera
- **Video Format:** MP4, > 60 minutes 1280x960 @ 30 fps
- **Video Out:** Micro HDMI
- **Image Format:** JPG
- **Image Polarity:** Iron, White Hot, Black Hot, Rainbow, IR11, IR256 Research, Rainbow Percentage
- Stereo microphone
- Stereo speakers w/ Dolby™ sound
- 3-axis accelerometers
- 3-axis gyroscope
- Magnetometer
- Surface Pen
- E-Mail

Lens Options

- 5 mm Fixed focus lens (58° x 44.5° FOV, +35 g)
- 8 mm Fixed focus lens (40° x 30° FOV, +40 g)
- 9 mm Fixed focus lens (69° x 56° FOV, +40 g)
- 12.5 mm Manual focus lens (50° x 37.5° FOV, +64 g)
- 13 mm Fixed focus lens (45° x 37° FOV, +45 g)
- 19 mm Fixed focus lens (32° x 26° FOV, +25 g)
- 25 mm Fixed focus lens (25° x 20° FOV, +50 g)
- 33 mm Manual focus lens (20° x 15° FOV, +100 g)
- 35 mm Fixed focus lens (18° x 14° FOV, +100 g)
- 50 mm Fixed focus lens (12.4° x 9.9° FOV, 230 g)
- 60 mm Fixed focus lens (10.4° x 8.3° FOV, 460 g)
- 100 mm Fixed focus lens (6.2° x 5° FOV, 460 g)

IR-PAD 320 S SERIES IR CAMERA

The ICI S Series IR Camera with tablet system is the perfect combination for capturing images in 320 x 240 pixel resolution quality. It is ideal for indoor use and is a superior thermal imaging product for field work. This ultra rugged IR Camera uses our custom ICI S Series IR Camera infrared camera to capture all of your thermal images and stores them on a 128 GB Hard Drive. The unbeatable design is capable of meeting any thermography needs you may encounter in the field. Includes our ICI IR Flash Software version 1.0.



Features

- IR Camera + tablet system
- Unparalleled image resolution
- Widescreen viewing
- Heavy duty tablet case
- Bluetooth connectivity
- Indoor/outdoor use
- Adjustable neckstrap and stand
- IR Flash version 1.0 Software
- 8 Palettes including B&W

Applications

This device is intended for use as an adjunct to other clinical diagnostic procedures in the diagnosis, quantifying, and screening of relative skin surface temperature.

Environment of use: Hospitals, Sub-Acute Healthcare Settings, and Public Areas i.e. airports.



Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 μ m
- **Pixel Resolution:** 320 x 240
- **Spectral Band:** 7 μ m to 14 μ m
- **Thermal Sensitivity (NETD):** < 0.02 °C at 30 °C (20 mK)
- **Frame Rate:** 9 Hz P-Series
- **Dynamic Range:** 14-bit
- **Temperature Range:** 0 °C to 50 °C
- **Operation Range:** -40 °C to 80 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** \pm 0.1 °C to 0.2 °C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions** (without lens): 209 mm x 311 mm x 19 mm (H x W x D \pm .5 mm)
- **Weight** (without lens): 1400 g
- USB 2.0 for Power & Data
- USB, HD video out
- Built in shutter
- Internal NUC
- **Power:** Built-in, Rechargeable
- **Operating System:** Windows 10
- ICI IR Flash Software version 1.0
- Screen size: 12"
- Screen resolution: 2160x1440 16:9 (widescreen)
- **Processor:** 4th Gen Intel Core i5
- **Storage:** 128 GB
- **RAM:** 4 GB
- **Touch:** Multi-touch
- Wi-Fi 802.11ac/802.11 a/b/g/n
- Bluetooth® 4.0 low energy
- Digital compass
- **Digital cameras:** 5 MP rear facing camera 5 MP front facing camera
- **Video Format:** MP4, > 60 minutes 1280x960 @ 30 fps
- **Video Out:** Micro HDMI
- **Image Format:** JPG
- **Image Polarity:** Iron, White Hot, Black Hot, Rainbow, IR11, IR256 Research, Rainbow Percentage
- Stereo microphone
- Stereo speakers w/ Dolby™ sound
- 3-axis accelerometers
- 3-axis gyroscope
- Magnetometer
- Surface Pen
- E-Mail

Lens Options

- 5 mm Fixed focus lens (58° x 44.5° FOV, +35 g)
- 8 mm Fixed focus lens (40° x 30° FOV, +40 g)
- 9 mm Fixed focus lens (69° x 56° FOV, +40 g)
- 12.5 mm Manual focus lens (50° x 37.5° FOV, +64 g)
- 13 mm Fixed focus lens (45° x 37° FOV, +45 g)
- 19 mm Fixed focus lens (32° x 26° FOV, +25 g)
- 25 mm Fixed focus lens (25° x 20° FOV, +50 g)
- 33 mm Manual focus lens (20° x 15° FOV, +100 g)
- 35 mm Fixed focus lens (18° x 14° FOV, +100 g)
- 50 mm Fixed focus lens (12.4° x 9.9° FOV, 230 g)
- 60 mm Fixed focus lens (10.4° x 8.3° FOV, 460 g)
- 100 mm Fixed focus lens (6.2° x 5° FOV, 460 g)

IR-PAD 640 P SERIES IR CAMERA

The ICI P Series IR Camera is a winning combination of high pixel resolution and radiometry. It is perfect for indoor use and is a superior thermal imaging product for outdoor work environments. The ultra rugged imager uses our custom ICI P Series IR Camera device to capture your thermal 640x512 images and stores them on a 128GB Hard Drive. The unbeatable design is capable of meeting any non-contact thermography needs you may encounter in the field of health services. Includes our IR Flash Software version 1.0.



Features

- IR Camera + tablet system
- Unparalleled image resolution
- Widescreen viewing
- Heavy duty tablet case
- Bluetooth connectivity
- Indoor/outdoor use
- Adjustable neckstrap and stand
- IR Flash version 1.0 Software
- 8 Palettes including B&W

Applications

- Skin temperature measurement
- Health screening
- Wellness checkups
- Breast thermography
- Disease monitoring
- Laboratory medical testing
- Surgery monitoring
- Recovery and follow-up

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 μm
- **Pixel Resolution:** 640 x 512
- **Spectral Band:** 7 μm to 14 μm
- **Thermal Sensitivity (NETD):** < 0.02 °C at 30 °C (20 mK)
- **Frame Rate:** 30 Hz P-Series
- **Dynamic Range:** 14-bit
- **Temperature Range:** 0 °C to 50 °C
- **Operation Range:** -40 °C to 80 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** ± 0.1 °C to 0.2 °C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions** (without lens): 209 mm x 311 mm x 19 mm (H x W x D $\pm .5$ mm)
- **Weight** (without lens): 1400 g
- USB 2.0 for Power & Data
- USB, HD video out
- Built in shutter
- Internal NUC
- **Power:** Built-in, Rechargeable
- **Operating System:** Windows 10
- ICI IR Flash Software version 1.0
- Screen size: 12"
- Screen resolution: 2160x1440 16:9 (widescreen)
- **Processor:** 4th Gen Intel Core i5
- **Storage:** 128 GB
- **RAM:** 4 GB
- **Touch:** Multi-touch
- Wi-Fi 802.11ac/802.11 a/b/g/n
- Bluetooth® 4.0 low energy
- Digital compass
- **Digital cameras:** 5 MP rear facing camera 5 MP front facing camera
- **Video Format:** MP4, > 60 minutes 1280x960 @ 30 fps
- **Video Out:** Micro HDMI
- **Image Format:** JPG
- **Image Polarity:** Iron, White Hot, Black Hot, Rainbow, IR11, IR256 Research, Rainbow Percentage
- Stereo microphone
- Stereo speakers w/ Dolby™ sound
- 3-axis accelerometers
- 3-axis gyroscope
- Magnetometer
- Surface Pen
- E-Mail

Lens Options

- 12.5 mm Manual focus lens (50° x 37.5° FOV, +64 g)
- 13 mm Fixed focus lens (45° x 37° FOV, +45 g)
- 19 mm Fixed focus lens (32° x 26° FOV, +25 g)
- 25 mm Fixed focus lens (25° x 20° FOV, +50 g)
- 30 mm Manual focus lens (20° x 15° FOV, +100 g)
- 35 mm Fixed focus lens (18° x 14° FOV, +100 g)
- 50 mm Fixed focus lens (12.4° x 9.9° FOV, 230 g)
- 60 mm Fixed focus lens (10.4° x 8.3° FOV, 460 g)
- 100 mm Fixed focus lens (6.2° x 5° FOV, 460 g)

IR-PAD 640 S SERIES IR CAMERA

The ICI S Series IR Camera is a winning combination of high pixel resolution and radiometry. It is perfect for indoor use and is a superior thermal imaging product for outdoor work environments. The ultra rugged imager uses our custom ICI S Series IR Camera device to capture your thermal 640x512 images and stores them on a 128GB Hard Drive. The unbeatable design is capable of meeting any non-contact thermography needs you may encounter in the field of health services. Includes our IR Flash Software version 1.0.



Features

- IR Camera + tablet system
- Unparalleled image resolution
- Widescreen viewing
- Heavy duty tablet case
- Bluetooth connectivity
- Indoor/outdoor use
- Adjustable neckstrap and stand
- IR Flash version 1.0 Software
- 8 Palettes including B&W

Applications

- Skin temperature measurement
- Health screening
- Wellness checkups
- Breast thermography
- Disease monitoring
- Laboratory medical testing
- Surgery monitoring
- Recovery and follow-up

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 μ m
- **Pixel Resolution:** 640 x 512
- **Spectral Band:** 7 μ m to 14 μ m
- **Thermal Sensitivity (NETD):** < 0.02 °C at 30 °C (20 mK)
- **Frame Rate:** 9 Hz P-Series
- **Dynamic Range:** 14-bit
- **Temperature Range:** 0 °C to 50 °C
- **Operation Range:** -40 °C to 80 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** \pm 0.1 °C to 0.2 °C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions (without lens):** 209 mm x 311 mm x 19 mm (H x W x D \pm .5 mm)
- **Weight (without lens):** 1400 g
- USB 2.0 for Power & Data
- USB, HD video out
- Built in shutter
- Internal NUC
- **Power:** Built-in, Rechargeable
- **Operating System:** Windows 10
- ICI IR Flash Software version 1.0
- Screen size: 12"
- Screen resolution: 2160x1440 16:9 (widescreen)
- **Processor:** 4th Gen Intel Core i5
- **Storage:** 128 GB
- **RAM:** 4 GB
- **Touch:** Multi-touch
- Wi-Fi 802.11ac/802.11 a/b/g/n
- Bluetooth® 4.0 low energy
- Digital compass
- **Digital cameras:** 5 MP rear facing camera 5 MP front facing camera
- **Video Format:** MP4, > 60 minutes 1280x960 @ 30 fps
- **Video Out:** Micro HDMI
- **Image Format:** JPG
- **Image Polarity:** Iron, White Hot, Black Hot, Rainbow, IR11, IR256 Research, Rainbow Percentage
- Stereo microphone
- Stereo speakers w/ Dolby™ sound
- 3-axis accelerometers
- 3-axis gyroscope
- Magnetometer
- Surface Pen
- E-Mail

Lens Options

- 12.5 mm Manual focus lens (50° x 37.5° FOV, +64 g)
- 13 mm Fixed focus lens (45° x 37° FOV, +45 g)
- 19 mm Fixed focus lens (32° x 26° FOV, +25 g)
- 25 mm Fixed focus lens (25° x 20° FOV, +50 g)
- 30 mm Manual focus lens (20° x 15° FOV, +100 g)
- 35 mm Fixed focus lens (18° x 14° FOV, +100 g)
- 50 mm Fixed focus lens (12.4° x 9.9° FOV, 230 g)
- 60 mm Fixed focus lens (10.4° x 8.3° FOV, 460 g)
- 100 mm Fixed focus lens (6.2° x 5° FOV, 460 g)

HOTSPOT IR NON-CONTACT THERMOMETER

ICI's HotSpot IR non-contact infrared thermometer ensures accurate and stable body temperature readings. Effective for adults as well as newborn babies and young children with high mobility tendencies. Readings can be taken as close as 5 cm or as far as 15 cm from target zone. Being non-contact makes for a more sanitary environment and reduces the chance to spread infectious diseases. Temperature shows on the LCD screen. Users can set an alarm for readings considered abnormally high. Onboard datalogger stores last 32 readings. The HotSpot IR fits in lab coats and bags for portability.

Features

- Precise non-contact temperature measurements
- Select between °C or °F readout
- Select between body and surface temperature
- Alarm sound for threshold
- Memorization of the last 32 measurements
- Automatic selection range
- Display resolution 1/10th of a degree
- Backlight LCD display
- Auto power off

Specifications

- **Range:**
Body mode: 32.0 °C to 42.5 °C (89.6 °F to 108.5 °F)
Surface mode: 0 °C to 60 °C (32 °F to 140 °F)
- **Resolution:** ±1 °C
- **Basic accuracy:** ASTM E1965-1998 (2003)
32 °C to 35.9 °C (93.2 °F to 96.6 °F) with (± 0.3 °C/ ± 0.5 °F)
36 °C to 39 °C (96.8 °F to 96.6 °F) to 102.2 °F) with (± 0.2 °C/± 0.4 °F)
39 °C to 42.5 °C (102.2 °F to 108.5 °F) with (± 0.3 °C /± 0.5 °F)
- **Measuring Distance:** 5 cm - 15 cm
- **Response Time:** 0.5 Seconds

Accessories

- 2x1.5V, AA batteries

Safety Conformance

- ASTM E1965-1998
- EN 980: Graphical symbols for use in the labeling of medical devices
- EN 1041: Information supplied by the manufacturer with medical devices
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC: 60601-1:1998)
- EN 60601-1-2: Medical electrical equipment Part 1-2: General requirements for safety Collateral standard Electromagnetic compatibility Requirements and test (IEC 60601-1-2:2001)



BLACKBODY MD

ICI's Blackbody MD calibrator features a large 3.07" (78 mm) isothermal target specially designed to measure between 35 °C to 45 °C. It is highly accurate making it perfect for non-contact calibration and applications. The ICI Blackbody MD calibrator includes a calibration certificate traceable via international agreement to all major national standards bodies, including the NIST.

Features

- Large blackbody target
- Exceptional accuracy
- Calibrate new thermal instruments
- Re-calibrate old devices to ensure accuracy

Specifications

- **Temperature Range:** 35 °C to 45 °C
- **Operation Range:** 0 °C to 30 °C
- **Accuracy:** ± 0.2 °C @ 100 °C
- **Stability:** ± 0.1 °C @ 100 °C to ± 0.2 °C @ 100 °C
- **Target Size:** 3.07" (78 mm)
- **Resolution:** 0.1 °C
- **Emissivity:** 0.97 ± 0.02
- **Power:** 110V AC (± 10 %), 50 Hz
- **Dimensions:** 240 mm x 110 mm x 150 mm
(L x W x H +/- .5 mm)
- **Weight:** 2 kg
- **Humidity:** 65%



Calibration for:

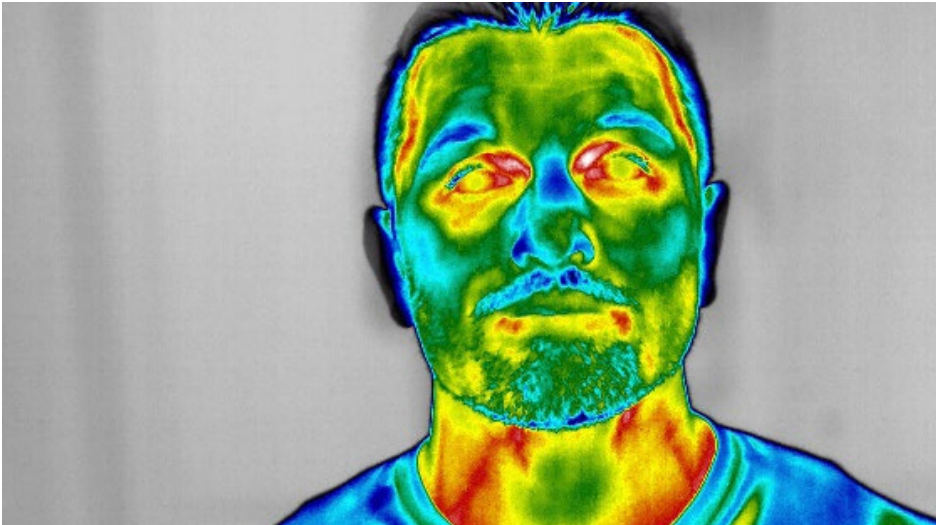
- Infrared Instruments
- Point radiometers
- Infrared thermometers
- Non-contact digital thermometers
- Temperature guns
- Laser thermometers
- Infrared cameras
- Thermal cameras
- Non-contact radiometric devices

Accessories

- AC power cable



CONTACT



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