

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 640 x 512 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 FREE trial of IR Flash Pro software.

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 μ m
- **FOV:** lens dependent
- **Measurement Distance:** lens dependent
- **Pixel Resolution:** 640 x 512
- **Spectral Band:** 7 μ m to 14 μ m
- **Thermal Sensitivity (NETD):**
< (30 mK) 0.03 °C at 30 °C (86 °F)
- **Frame Rate:** 7.5 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** 25 °C to 45 °C (77 °F to 113 °F)
- **Operation Range:** 0 °C to 50 °C (32 °F to 122 °F)
- **Storage Range:** -40 °C to 80 °C (-40 °F to 176 °F)
- **Humidity:** 5% to 95% non-condensing
- **Accuracy:** \pm 0.2 °C (0.36 °F)
- **Pixel Operability:** > 99 %
- **Shock/Vibration:** 75 G/2 G
- **Dimensions:**
211 mm x 303 mm x 54 mm (L x W x D \pm 0.5 mm)
(8.31" x 11.93" x 2.13" (L x W x H \pm 0.02"))
- **Power:** 12 V DC 2.58 A, < 36 W
- **Battery:** Lithium battery, built-in, rechargeable
- **Weight (without lens):** 1660 g (3.66 lbs)
- **Interface:** USB 2.0
- **Video:** Radiometric IR and MP4 Visible
- **Video Format:** MP4, 1920 x 1080 @ 30 fps
- **Video Out:** USB-C
- **Image Format:** JPG
- **Image Polarity:** Iron, White Hot, Black Hot, Rainbow, IR11, IR256, Research, Rainbow Percentage
- **Emissivity Correction:** 0.01 to 1.0
- **IP Rating:** IP 54
- Built-in shutter
- **Operating System:** Windows 10
- **Processor:** 10th Gen Intel Core i5
- **Storage:** 128 GB
- **RAM:** 8 GB
- **Screen size:** 12.3"
- **Screen resolution:** 2736 x 1824, 3:2
- **Touch:** multi-touch enabled
- **Visible cameras:** rear facing 8 MP at 3264 x 2448, front facing 5 MP at 2560 x 1920
- Wi-Fi 802.11ax/ac/n/g/b/a
- Bluetooth® Wireless 5.0
- Stereo microphone and stereo speakers w/ Dolby™ Audio
- Ambient light sensor
- Accelerometer, Gyroscope, and Magnetometer

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

Options/Lenses

- Optional: 1/4"-20 tripod
- Optional: Touch Pen
- Temperature reference source
- 12.5 mm Manual focus lens
(50° x 37.5° FOV, +64 g (+2.26 oz))
- 25 mm Athermalized focus lens
(24.8° x 18.6° FOV, +50 g (+1.76 oz))
- Integrated visible camera

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.