

ICI | IR-Pad 640 - Builder



www.infraredcamerasinc.com | sales@infraredcamerasinc.com

INFRARED CAMERAS INC.
2105 W. Cardinal Dr.
Beaumont, TX 77705

Phone: (409) 861-0788
Toll Free: (866) 861-0788

We are IR™

ICI | IR-Pad 640 - Builder

The ICI IR-Pad 640 - Builder infrared camera/tablet system is an all-in-one thermal imager and report building device. It is the perfect tool for builders or building inspectors. Utilizes a custom 8640 infrared camera to capture all of your thermal images in 640x480 pixel resolution quality. Search for water damage, air leaks, or deteriorating insulation. Find overheating electrical lines and fuses. Intuitive Touch Screen Interface. Features Bluetooth® and WiFi Connectivity. The ICI IR-Pad 640 - Builder has been manufactured for all building and development applications. Includes IR Flash Pro Software.

Features

- IR Camera + Tablet System
- Unparalleled Image Resolution
- Widescreen Viewing
- Heavy Duty Tablet Case
- Bluetooth® & WiFi Connectivity
- Indoor/Outdoor Use
- Adjustable Neckstrap and Stand
- IR Flash Software
- IR Reporter Software
- Intuitive Interface
- Multiple Color Palettes

Applications

- Building / Home Inspections
- Insulation Inspections
- Electrical Inspections
- Air Leakage
- Roof Inspections
- HVAC Inspections
- Real Estate Appraisals
- Plumbing / Swimming Pools

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 µm
- **Pixel Resolution:** 640x480
- **Spectral Band:** 7 µm to 14 µm
- **Thermal Sensitivity (NETD):** < 0.02 °C at 30 °C (20 mK)
- **Frame Rate:** 30 Hz P-Series or 9 Hz S-Series
- **Dynamic Range:** 14-bit
- **Temp. Range:** -40 °C to 140 °C
- **Operation Range:** -40 °C to 80 °C
- **Storage Range:** -40 °C to 70 °C
- **Accuracy:** ± 1 °C
- **Pixel Operability:** > 99 %
- 75 G Shock / 4 G Vibration
- **Dimensions (without lens):** 209 x 311 x 19 mm (H x W x D ± .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 Pro Software
- **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

Options & Accessories

- 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 grams)
- 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)

