ICI | IR-Pad 640
The ICI IR-Pad 640 infrared camera/tablet system is a winning combination for capturing images in 640x512 pixel resolution quality. It is perfect for indoor and outdoor field research or routine inspections. This ultra-rugged IR-Pad 640 uses our custom ICI 8640 infrared camera to capture your thermal images and store them on a 128 GB hard drive. The unbeatable design was manufactured for all thermography research and development applications. Includes real-time analysis with our IR Flash Pro software.

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 Touch Software
- Analysis/Report Building Software
- Portable
- 8 Palettes including B&W

Applications
- Process Control
- Robotics
- Industrial Vision Systems
- Aerial Radiometric Imaging
- Scientific Research
- Building Automation
- Security Monitoring
- Electrical Inspection

Specifications
- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 µm
- **Pixel Resolution:** 640x512
- **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 %
- **5 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**

Options & Accessories
- **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**

- **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)