ICI | IR-Pad 320 - Electrical
The ICI IR-Pad 320 - Electrical infrared camera/tablet system is the perfect combination for capturing images in 320x240 pixel resolution quality. It is a superior thermal imaging product for outdoor as well as indoor use. Our electrical camera is a superior thermal imager featuring Dual Temperature Ranges, an ultra rugged shell, and a customized ICI 8320 infrared camera. Captures your thermal images and stores them on a 128 GB Hard Drive. System includes our IR Flash Pro software.

Applications
- Electrical Inspections
- Predictive Maintenance
- Electrical Poles / Cabinets
- Dry Transformers
- Underground Electrical
- Substations
- HVAC / Cold Storage
- Scientific Research
- Home Contractor Inspections

Options & Accessories
- 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 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)

Specifications
- **Detector Array**: UFPA (VOx)
- **Pixel Pitch**: 17 µm
- **Pixel Resolution**: 320x240
- **Spectral Band**: 7 µm to 14 µm
- **Thermal Sensitivity (NETD)**: < 0.02 °C at 30 °C (20 mK)
- **Frame Rate**: 60 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**