ICI | INFRARED CAMERAS INC

IR-PAD 320 INDUSTRIAL P-SERIES

Industry

ICI's IR-Pad 320 Industrial is the perfect combination of infrared thermography and report building. Measures temperatures up to 140 °C (284 °F) with an optional range measuring up to 500°C (932 °F). Capture 336 x 256 resolution images and store them on the built-in 128 GB hard drive. The ICI IR-Pad 320 is ideal for indoor use and is a superior thermal imaging product for outdoor field work. Includes FREE trial of IR Flash Pro software.

Features

- IR camera + tablet system
- Unparalleled Image resolution
- Widescreen viewing
- Heavy duty tablet case
- Bluetooth® & WiFi connectivity
- Analysis and report building capabilities
- Intuitive interface
- 8 color palettes including B&W

Applications

- Process control
- Robotics
- Industrial vision systems
- Aerial radiometric imaging
- Scientific research
- Building automation
- Security monitoring
- Electrical inspection

Options & Accessories

- Optional: 0 °C to 500 °C (32°F to 932 °F)
- Optional: 7.5 Hz S-Series
- Optional: touch pen
- 5 mm Fixed focus lens (58° x 44.5° FOV, +35 g (1.23 oz))
- 8 mm Fixed focus lens (40° x 30° FOV, +40 g (1.41 oz))
- 9 mm Fixed focus lens (69° x 56° FOV, +40 g (1.41 oz))
- 12.5 mm Manual focus lens (50° x 37.5° FOV, +64 g (2.26 oz))
- 13 mm Fixed focus lens (45° x 37° FOV, +45 g (1.59 oz))
- 19 mm Fixed focus lens (32° x 26° FOV, +25 g (0.88 oz))
- 25 mm Fixed focus lens (25° x 20° FOV, +50 g (1.76 oz))
- 33 mm Manual focus lens (20° x 15° FOV, +100 g (3.52 oz))
- 35 mm Fixed focus lens (18° x 14° FOV, +100 g (3.52 oz))
- 50 mm Fixed focus lens (12.4° x 9.9° FOV, +230 g (8.11 oz))
- 60 mm Fixed focus lens (10.4° x 8.3° FOV, +460 g (16.23 oz))
- 100 mm Fixed focus lens (6.2° x 5° FOV, +460 g (16.23 oz))
- Integrated visible camera

Specifications

- **Pixel Resolution:** 336 x 256
- **Accuracy:** ± 1 °C (± 1.8 °F) or ± 1%
- **Temperature Range:**
  - Standard: -40 °C to 140 °C (-40 °F to 284 °F)
  - Hi-Temp (optional): 0 °C to 500 °C (32°F to 932 °F)
- **Operation Range:** -40 °C to 80 °C (-40 °F to 176 °F)
- **Storage Range:** -40 °C to 70 °C (-40 °F to 158 °F)
- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 µm
- **FOV:** lens dependent
- **Measurement Distance:** lens dependent
- **Spectral Band:** 7 µm to 14 µm
- **Thermal Sensitivity (NETD):**
  < (20 mK) 0.02 °C at 30 °C (86 °F)
- **Frame Rate:** 60 Hz P-Series or 7.5 Hz S-Series
- **Dynamic Range:** 14-bit
- **Humidity:** 5% to 95% non-condensing
- **Pixel Operability:** > 99 %
- **Shock/Vibration:** 75 G/2 G
- **Dimensions:**
  211 mm x 303 mm x 54 mm (L x W x D ± 0.5 mm)
  (8.31" x 11.93" x 2.13" (L x W x H ± 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
- Internal non-uniformity correction (NUC)
- **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

ICI cameras fall under US Federal Law and Export Control.

Specifications subject to change without notice.

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