

## PROFESSIONAL RELIABILITY

Introducing the ICI IR-Pad 640 Veterinary Gen 2— a all-in-one tablet system expertly engineered for veterinary professionals. Our state-of-the-art device excels in delivering high-resolution infrared imaging, ensuring precise temperature measurements with an impressive accuracy of  $\pm 1^{\circ}\text{C}$  ( $\pm 1.8^{\circ}\text{F}$ ) or  $\pm 1\%$  between  $0^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $158^{\circ}\text{F}$ ). The 13" user-friendly multi-touch screen is built for veterinary examinations, facilitating comprehensive exploration of potential issues and guiding professionals in preventative and ongoing treatment of animals and pets. Includes a complimentary trial of the IR Flash Pro software. Elevate your inspections with the precision and convenience of the Gen 2 thermal tablet system.

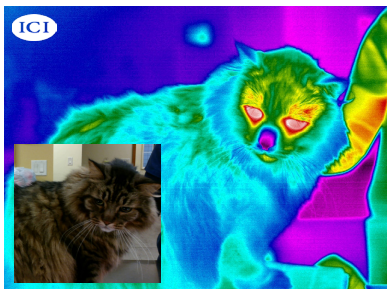


IR-Pad 640 Veterinary Gen 2



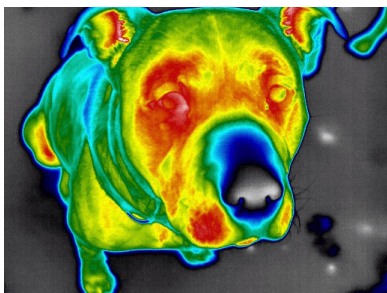
## HIGH-PERFORMANCE THERMAL CAMERA

Integrated seamlessly within is ICI's cutting-edge Helios thermal camera, capturing high-resolution 640 x 512 infrared images for meticulous thermal imaging during animal examinations. With a temperature measurement range of up to  $150^{\circ}\text{C}$  ( $302^{\circ}\text{F}$ ), this Gen 2 tablet ensures accurate monitoring, analysis of heat patterns, and visualization of potential issues, empowering veterinary technicians with unparalleled insights.



## ENHANCED MEDIA CAPABILITIES

The IR-Pad Gen 2 tablet exemplifies thermal imaging excellence tailored for veterinary technicians, featuring built-in 1080p visible cameras and a rear-facing camera with stunning 4k resolution, this tablet empowers thermographers to capture precise, high-detail images. Furthermore, the device supports 1080p MP4 video recording, offering flexibility to capture dynamic processes or events for subsequent in-depth analysis and documentation.



## RUGGED AND FUNCTIONAL

Designed to withstand demanding work environments, the IR-Pad Gen 2 tablet features an IP54 ingress rating, ensuring resilience against dust and water. This robust design ensures reliable performance in challenging settings, giving veterinarians confidence to execute tasks around animals of all shapes and sizes. Equipped with a USB-C port, as well as Bluetooth® and Wi-Fi connectivity, the tablet also facilitates seamless data transfer between devices or systems, fostering streamlined data management and sharing.



Ideal for both preventive and ongoing animal care, the ICI IR-Pad 640 Veterinary Gen 2 infrared tablet system serves as an all-in-one solution for capturing 640 x 512 high-resolution images and generating quality PDF reports. With an integrated 640 x 512 ICI Helios thermal camera and an ultra-rugged design, the imager is designed to meet the diverse needs of veterinary thermographers. Whether in the office, field, or during house calls. As a bonus, enjoy a complimentary trial of the IR Flash Pro software for enhanced imaging capabilities.

## Features

- IR camera + tablet system
- Unparalleled image resolution
- Widescreen viewing
- Heavy duty tablet case
- Bluetooth® & WiFi connectivity
- Indoor/outdoor use
- Free trial of IR Flash software
- Type cover and built-in stand for desks

## Applications

- Fever screening
- Injury discovery
- Pain/inflammation
- Equine/cattle health
- Dermatology
- Scientific research

## Options & Accessories

- Optional: 7.5 Hz S-Series
- Optional: Wireless touch pen
- Detachable type cover
- Device charger
- Adjustable neckstrap
- Integrated visible camera

## Specifications

- **Pixel Resolution:** 640 x 512
- **Accuracy:**
  - Veterinary:  $\pm 1^{\circ}\text{C}$  ( $\pm 1.8^{\circ}\text{F}$ ) or  $\pm 1\%$
  - Standard:  $\pm 2^{\circ}\text{C}$  ( $\pm 3.6^{\circ}\text{F}$ ) or  $\pm 2\%$
- **Temperature Range:**
  - Veterinary:  $0^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $158^{\circ}\text{F}$ )
  - Standard:  $-20^{\circ}\text{C}$  to  $150^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $302^{\circ}\text{F}$ )
- **Operation Range:**  $-40^{\circ}\text{C}$  to  $80^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $176^{\circ}\text{F}$ )
- **Storage Range:**  $-45^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  ( $-49^{\circ}\text{F}$  to  $158^{\circ}\text{F}$ )
- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 14  $\mu\text{m}$
- **Focal Length:** 12.5 mm
- **FOV:**  $39.4^{\circ}$  x  $31.9^{\circ}$
- **Spectral Band:** 8  $\mu\text{m}$  to 14  $\mu\text{m}$
- **Thermal Sensitivity (NETD):**
  - < (20 mK) 0.02  $^{\circ}\text{C}$  at 30  $^{\circ}\text{C}$  (86  $^{\circ}\text{F}$ )
- **Frame Rate:** 30 Hz P-Series or 7.5 Hz S-Series
- **Dynamic Range:** 14-bit
- **Humidity:** 5% to 95% non-condensing
- **Pixel Operability:** > 99 %
- **Shock/Vibration of Thermal Camera:** 40 G/4.3 G
- **Dimensions:**
  - 225 mm x 397 mm x 93 mm (L x W x D  $\pm 0.5$  mm)
  - (8.86" x 15.63" x 3.66" (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-C
- **Video:** Radiometric IR and MP4 Visible
- **Video Format:** MP4, 1920 x 1080 @ 30 fps
- **Image Format:** JPG
- **Image Polarity:** Iron, White Hot, Black Hot, Rainbow, IR11, IR256, Research, Rainbow Percentage, Invert
- **Emissivity Correction:** 0.01 to 1.0
- **IP Rating:** IP54
- **Operating System:** Windows 11
- **Processor:** 11th Gen Intel Core i5
- **Storage:** 128 GB
- **RAM:** 8 GB
- **Screen size:** 13 in
- **Screen resolution:** 2880 x 1920, 3:2
- **Touch:** multi-touch enabled
- **Visible cameras:** rear facing 10.0MP at 1080p HD and 4k, front facing 5 MP at 1080p full HD
- **Wi-Fi 6:** 802.11ax compatible
- **Bluetooth®** Wireless 5.1
- Stereo microphone and stereo speakers w/ Dolby™ Audio
- Ambient light sensor
- Accelerometer, Gyroscope, and Magnetometer
- Internal non-uniformity correction (NUC)