

# DETECTS HAZARDOUS SF6 GAS LEAKS

## ALL-IN-ONE RELIABILITY

The ICI IR-Pad 640 SF6 infrared tablet system, equipped with the ICI GC-106 gas leak core, offers a comprehensive solution for thermal imaging of Sulfur Hexafluoride. This versatile device captures high-resolution 640 x 512 infrared images and provides temperature measurements up to 120°C (248°F) with an impressive accuracy of  $\pm 3^{\circ}\text{C}$  ( $\pm 5.4^{\circ}\text{F}$ ) or  $\pm 3\%$ , whichever is greater. This level of precision ensures reliable and accurate thermal analysis, essential for detecting and localizing SF6 in industrial settings.



IR-Pad 640 SF6



## CONNECTIVITY AND DATA MANAGEMENT

Equipped with a USB-C port, users can efficiently transfer data to external devices for further analysis or reporting. Additionally, the device features Bluetooth® and Wi-Fi connectivity, enabling seamless integration with other devices or networks. The inclusion of the IR Flash Pro software, provided as a free trial, empowers users to perform thermal analysis and generate comprehensive reports, enhancing the overall data management process.



## ENHANCED IMAGING CAPABILITIES

The IR-Pad 640 SF6 tablet not only excels in thermal imaging but also offers enhanced visual imaging capabilities. It is equipped with built-in 1080p visible cameras and a rear-facing camera capable of capturing images with 4k resolution. This feature allows inspectors to capture high-quality visual and thermal images simultaneously, providing a comprehensive view of the inspected area. With the device's 1080p MP4 video capabilities, users can record and document their inspections for comprehensive documentation.



## RUGGED AND DURABLE

The IR-Pad 640 SF6 infrared tablet system is built to withstand challenging environments. With an IP54 ingress rating, the device provides reliable resistance against dust and water, ensuring its longevity and operational efficiency even in demanding conditions. This rugged design enables users to confidently utilize the device in industrial settings without compromising its performance or durability.



ICI's IR-Pad 640 SF6 infrared tablet system with integrated ICI GC-106 gas leak core presents a comprehensive solution for thermal imaging applications. With its high-resolution infrared and visual images, accurate temperature measurements, enhanced imaging capabilities, durable construction, and seamless connectivity options, the IR-Pad 640 SF6 is designed for localizing gas leaks while optimizing report generation and efficiency in the field.

## Features

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

## Gases Detected

- Sulfur Hexafluoride (SF6)

## Options & Accessories

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



IR-Pad 640 SF6

## Specifications

- **Pixel Resolution:** 640 x 512
- **Accuracy:**  $\pm 3^{\circ}\text{C}$  ( $\pm 5.4^{\circ}\text{F}$ ) or  $\pm 3\%$
- **Temperature Range:**  $-20^{\circ}\text{C}$  to  $120^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $248^{\circ}\text{F}$ )
- **Operation Range:**  $-20^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ )
- **Storage Range:**  $-45^{\circ}\text{C}$  to  $85^{\circ}\text{C}$  ( $49^{\circ}\text{F}$  to  $185^{\circ}\text{F}$ )
- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 12  $\mu\text{m}$
- **Spectral Band:**  $\sim 10.6 \mu\text{m}$
- **Frame Rate:** 25 Hz
- **Humidity:** 5% to 95%, non-condensing
- **Pixel Operability:** > 99 %
- **Shock/Vibration:** 25 G/2.5 G
- **Dimensions:**  
287 mm x 208 mm x 9.3 mm (L x W x D  $\pm 0.5$  mm)  
(11.3 in x 8.2 in x 0.37 in (L x W x H  $\pm 0.02$  in))
- **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
- Internal non-uniformity correction (NUC)
- **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