

# ICI | Watcher Pro



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# ICI | Watcher Pro

The ICI Watcher Pro is a multi-application thermal infrared camera that provides real time surveillance and monitoring, day or night. This adaptable system can be fitted with different lenses to meet the user's requirements. The ICI Watcher Pro is enclosed in a waterproof aluminum alloy dome with IP67 encapsulation making it ideal for indoor or outdoor video surveillance; anti-corrosion paint available for Maritime Surveillance applications. Great for low light surveillance. Supports Ethernet and WiFi (tablets and phones) control. Comes with IR Flash Pro Software.



## Features

- Weatherproof Armor Dome
- Low Light Surveillance
- Easy Mounting
- Pedestrian Alarm System
- Anti-Shake System
- Roof and Ceiling Mounting
- Indoor or Outdoor Surveillance

## Applications

- Transportation/Automotive
- Vehicle Integration
- Security Monitoring
- Building Security
- Real Time Inspections
- Low Light Surveillance
- Maritime Surveillance

## Lens & Software Options

- Optional Lenses: 36°, 48°, or 55°
- Anti-Corrosion Paint (Optional)
- C Lens mount
- Windows 32-bit SDK
- Linux SDK (x86, x64 and ARM)
- IR Flash Pro Software



## Specifications

- **Detector Array:** UFPA
- **Pixel Resolution:** 384x288 or 640x480
- **Pixel Pitch:** 25  $\mu$ m
- **Spectral Band:** 8  $\mu$ m to 14  $\mu$ m
- **Thermal Sensitivity (NETD):** < 0.05 °C at 30 °C (50 mK)
- **Accuracy:**  $\pm$  1 °C
- **FOV:** 28° x 21°
- **Focal Length:** 122.4 mm
- **Frame Rate:** 50 Hz
- **Dynamic Range:** 14-bit
- **Operation Range:** -45 °C to 65 °C
- **Storage Range:** -45 °C to 65 °C
- **Focus:** Fixed
- **Optical Zoom:** 36x
- **Digital Zoom:** 12x
- **Horizontal Angle:** 360° Continuous
- **Vertical Angle:** -25° to 90° Auto Rollover
- **Detection distance (person):** > 200 m
- **Detection distance (vehicle):** > 500 m
- **Alarm:** Yes, Image and Visual Alarm
- **Image Process:** Auto, Anti-Shake
- **Image Enhancement:** Yes
- **Image Polarity:** White Hot, Black Hot
- **Analog Output:** NTSC or PAL
- **Video:** H.264 (MP4)
- **Ethernet:** Yes
- **WiFi:** Yes, Tablet or Phones
- **Display Resolution:** 752x582
- **Encapsulation:** IP67
- **Illuminance:** 0.1 Lux (Color), 0.001 Lux (B&W)
- **Dimensions:** < 295 x 210 x 210mm (H x W x D  $\pm$  .5 mm)
- **Weight:** 6800 g
- **External Input:** DC 12V  $\pm$  0.2V
- **Pixel Operability:** > 99 %

