

ICI | Corona 640



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ICI | Corona 640

ICI's Corona 640 is solar-blind to ultraviolet light emitted from the sun and overlays corona effects over a visible image. A complete solution for the inspection and maintenance of transmission lines and electrical substations. The Corona 640 accurately detect sources of corona, partial discharge, as well as micro arcing and arcing that may lead to: audio noise, radio/TV interference and electrical mechanical failures. Pairs with ICI's line of infrared cameras to cover a wide range of spectrums. Use both indoors and outdoors for aerial inspections, research, and maintenance. Includes ICI's IR Flash Pro Software.



Features

- Intrinsically Safe Design
- Ultra Low Power Consumption
- Detection distance up to 50 m
- High Stability
- Fast Response
- High Sensitivity

Specifications

- **Detector Array:** UFPA (VOx)
- **Pixel Pitch:** 17 μm
- **Pixel Resolution:** 640x480
- **Spectral Band:** 7 μm to 14 μm
- **Thermal Sensitivity (NETD):**
< 0.027 °C at 30 °C (27 mK)
- **Frame Rate:** 30 Hz P-Series
or 9 Hz S-Series
- **Dynamic Range:** 14-bit
- **Dual Temperature Range:**
Range 1: -20 °C to 120 °C
Range 2: 0 °C to 550 °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 9 mm (H x W x D $\pm .5$ mm)
- **Weight:** 1397 g
- USB 2.0 for Power & Data
- USB, HD Video Out
- Built in Shutter
- Internal NUC
- ICI IR Flash Pro Software

Applications

- Industrial
- Aerial
- Scientific Research
- Space Reseach & Exploration
- Research & Development
- Electrical Inspections
- Mechanical Maintenance

Options & Accessories

- Sensor Control Module
- 8000 Series IR Cameras
- 9000 Series IR Cameras

