

FX 160 FIREFIGHTER SERIES

The ICI FX 160 Firefighter is a rugged, portable, thermal imager; built to withstand extreme environments, it has a drop test rating of 1.8 m (5.9'). The FX 160's one handed operation makes it simple and easy to use, and the large 3.5" LCD display produces an exceptional image. An optional Kevlar coating allows operating temperatures up to 650 °C. This camera was specifically designed for firefighting applications. Standard accessories include: carrying case, shoulder strap, and two (Ni-MH) rechargeable batteries that last up to 2.5 hours each.

Features

- 3.5" Display LCD screen
- High drop test rating
- Flame retardant/ UL94-V0
- Waterproof up to 1 m
- Dust proof
- Ni-MH rechargeable battery
- Optional: Kevlar coating, withstands 650 °C

Applications

- Firefighting training
- Fire control
- Natural resource fires
- Crash fires
- Search & rescue
- Urban building fires
- Forest fires
- Chemical plant fires

Specifications

- **Detector Array:** FPA Microbolometer
- **Pixel Pitch:** 17 µm
- **Measurement Distance:** ≥ 50 m
- **Pixel Resolution:** 160 x 120
- **Spectral Band:** 8 µm to 14 µm
- **Thermal Sensitivity (NETD):** < 0.1 °C at 30 °C (100 mK)
- **Frame Rate:** 50 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** -20 °C to 600 °C
- **Operation Range:** -15 °C to 260 °C
- **Storage Range:** -40 °C to 70 °C
- **Humidity:** 5% to 95% non-condensing
- **Accuracy:** ± 2 °C
- **Pixel Operability:** > 99 %
- **Shock/Vibration:** 75 G/4 G
- **Drop Test:** 1.3 kg (5.9')
- **Dimensions (without lens):** 273 mm x 128 mm x 190 mm (L x W x H ± .5 mm)
- **Weight (without lens):** 1.3 kg
- **Emissivity Correction:** 0.1 to 1.0
- **Screen:** 3.5" Display LCD Screen
- **IP Rating:** IP 67
- **Battery:** Ni-MH battery, 2 hr charge time
- **Operation Time:** 2.5 hours
- Built in shutter
- **Image Polarity:** 6 options including black hot, white hot, fire fighting model, and triple pseudo color

Options

- Optional: Kevlar coating, withstands 650 °C
- Transport case
- 2 NiMH batteries
- Battery charger
- Instruction manual
- Adumbral cover
- Lens cap



FX 160 P-Series

ICI cameras all fall under US Federal Law and Export Control.