

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 m (3.3 ft). 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 (1202 °F). This camera was specifically designed for firefighting applications. Standard accessories include: carrying case, shoulder strap, and two (NiMH) rechargeable batteries that last up to 2.5 hours each.

Features

- Optional: Kevlar coating, withstands 650 °C (1202 °F)
- 3.5" LCD screen
- 1 m (3.3') drop test rating
- Flame retardant/ UL94-V0
- Waterproof up to 1 m (3.3 ft)
- NiMH rechargeable battery

Specifications

- **Pixel Resolution:** 160 x 120
- **Accuracy:** ± 2 °C or 2%
- **Temperature Range:** -20 °C to 600 °C (-4 °F to 2191 °F)
- **Operation Range:** -15 °C to 260 °C (°F to 500 °F)
- **Storage Range:** -40 °C to 70 °C (-40 °F to 158 °F)
- **Detector Array:** UFPA
- **Pixel Pitch:** 17 µm
- **FOV:** 30° x 22.5°
- **IIFOV:** 3.3 mrad
- **Measurement Distance:** ≥ 50 m (164 ft)
- **Spectral Band:** 8 µm to 14 µm
- **Thermal Sensitivity (NETD):**
< (100 mK) 0.1 °C at 30 °C (86 °F)
- **Frame Rate:** 50 Hz
- **Dynamic Range:** 14-bit
- **Humidity:** 5% to 95% non-condensing
- **Pixel Operability:** > 99 %
- **Shock/Vibration:** 75 G/4 G
- **Drop Test:** 1 m (3.3')
- **Dimensions (without lens):**
273 mm x 128 mm x 190 mm (L x W x H ± 0.5 mm)
(10.75" x 5.04" x 7.48" (L x W x H ± 0.02"))
- **Battery:** NiMH battery
- **Charging Time:** 2 hours
- **Operation Time:** 2.5 hours
- **Start Time:** < 25 sec
- **Weight (without battery):** 1.3 kg (2.87 lbs)
- **Image Polarity:** 6 options
- **Screen:** 3.5" color TFT LCD, 640 x 480
- **IP Rating:** IP67, waterproof up to 1 m (3.3 ft)
- Internal non-uniformity correction (NUC)

Applications

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

Options

- Optional: Kevlar coating, withstands 650 °C (1202 °F)
- Transport case
- 2 NiMH batteries
- Battery charger
- Adumbral cover
- Lens cap



FX 160 P-Series