



Our FM 300 P Series features ICI Dual Vision, which gives you thermal and visible imaging all-in-one device. Rugged and durable with incredible sensitivity and image quality, the fixed mounted thermal imager is designed for easy installation. It provides audio alarms when an individual registers an elevated body temperature. Suitable for public places with orderly flows of people, such as airports, transportation hubs, shopping malls, schools and enterprises.

Features

- ICI Dual Vision - IR and visible
- Radiometric data streaming
- Unmatched image sensitivity
- Intelligent calibration
- Quick installing, easy operating
- Automatic audio alarms
- Light weight
- Built-in shutter

Specifications

IR CAMERA SPECIFICATIONS:

- **Detector Array:** VOx
- **Spectral Band:** 7.5 μm ~ 13.5 μm
- **Thermal Sensitivity (NETD):**
< (50 mK) 0.05 $^{\circ}\text{C}$ at 25 $^{\circ}\text{C}$ (86 $^{\circ}\text{F}$)
- **Frame Rate:** \leq 25 Hz
- **Dynamic Range:** 14-bit
- **Temperature Range:** -30 $^{\circ}\text{C}$ to 45 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 113 $^{\circ}\text{F}$)
- **Operation Range:** -30 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 176 $^{\circ}\text{F}$)
- **Storage Range:** -40 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$)
- **Humidity:** 5% to 95% non-condensing
- **Accuracy:** \pm 0.5 $^{\circ}\text{C}^2$ (0.9 $^{\circ}\text{F}^2$)
- **Pixel Operability:** > 99 %
- **Dimensions (without lens):**
66 mm x 20 mm x 50 mm (L x W x H \pm 0.5 mm)
(2.60" x 0.79" x 1.97" (L x W x H \pm 0.02"))
- **Power:** DC 5V
- **Power Consumption:** < 700 m W
- **Weight:** < 122 g (4.3 oz)
- **Interface:** Micro-USB
- Built-in shutter

VISIBLE CAMERA SPECIFICATIONS:

- **Detector Array:** 1/4" CMOS
- **Pixel Pitch:** 3 μm
- **FOV:** customizable
- **Camera:** 5 MP, 1296 x 732, 30 Hz
- **Chief Ray Angle:** 17.5 $^{\circ}$ - linear
- RGB color filter array
- Rolling shutter

THIS DEVICE IS INTENDED FOR ADJUNCTIVE USE WITH OTHER CLINICAL DIAGNOSTIC PROCEDURES TO MEASURE HUMAN BODY TEMPERATURE VIA NON-CONTACT SKIN MEASUREMENTS VISUALIZED FROM THE HUMAN FACE. NOT MEANT FOR STANDALONE CLINICAL DIAGNOSTIC PROCEDURES OR TO TREAT OR DIAGNOSE PATIENTS.

ICI cameras fall under US Federal Law and Export Control.

Specifications subject to change without notice.

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Applications

- Skin temperature measurement
- Hospital healthcare procedures
- Healthcare robotics
- Radiometric imaging
- Scientific research
- Breast imaging
- Airport screening
- Sub-acute healthcare settings

Options

- Optional: 1/4"-20 tripod
- Optional: FM 300 camera stand
- Temperature reference source



FM 300 P Series IR Camera