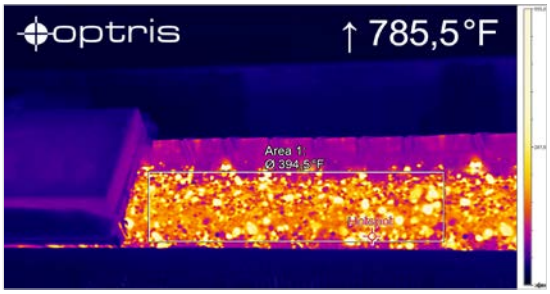
optris PI 640i CM
TECHNICAL DATA

Infrared camera for condition monitoring and early fire detection

Features:

- Dedicated product package for outdoor condition monitoring and fire detection
- Environmental rating IP66 and an integrated air purge ensure reliable 24/7 operation under harsh conditions
- Built-in heater/ fan for an extra wide operating temperature range of - 40 °F up to 122 °F
- IR camera with 640 x 480 px and HD video camera with 1280 x 720 px
- USB Server (PoE) for easy inte gration of both camera streams (IR + VIS) in video management systems



Specifications Outdoor protective housing

Environmental rating	IP 66
Operating temperature range	–40 °F ... 122 °C
Heating	PTC heater (starts automatically at T <59 °F) / Fan for homogeneous temperature distribution
Power supply	24 V DC (or PoE)[1)]
Power consumption	70 W
Current draw	3 A (short term: 6 A)
Air purge collar	Integrated
Air pressure	Absolute pressure 1.1 bar at 20 – 100 l/min
Material	Aluminum
Weight	2 kg (4.4 lbs) / 2.5 kg (5.5 lbs) with wall mount bracket
Max. FOV	90° (HFOV)

[1)] PoE is not applicable for heater or fan.

Specifications IR camera PI 640i

Measurement ranges	- 4 ... 212 °F/ 32 ... 482 °F/ (68°F)302 ... 1652 °F optional: 392 ... 2732 °F
Optical resolution	640 x 480 pixels
Frame rate	32 Hz
Thermal sensitivity (NETD)	40 mK
Optics FOV	from 19° to 90° HFOV
Power supply	USB/ PoE (via USB Server)

Specifications visual camera

Optical resolution	1280 x 720 pixels
Frame rate	30 Hz
Lens size	1/4"
Max. FOV	65° (DFOV)
Power supply	USB/ PoE (via USB Server HT)

Scope of Supply

- Outdoor protective housing with PI 640i IR camera and HD video camera
- Air purge collar
- USB Server HT
- Wall mount

Optris Infrared Sensing, LLC · 200 International Drive, Suite 130 · Portsmouth · NH 03801 USA
Phone: 603-766-6060 · E-Mail: sales@optris-ir.com · www.optris.com

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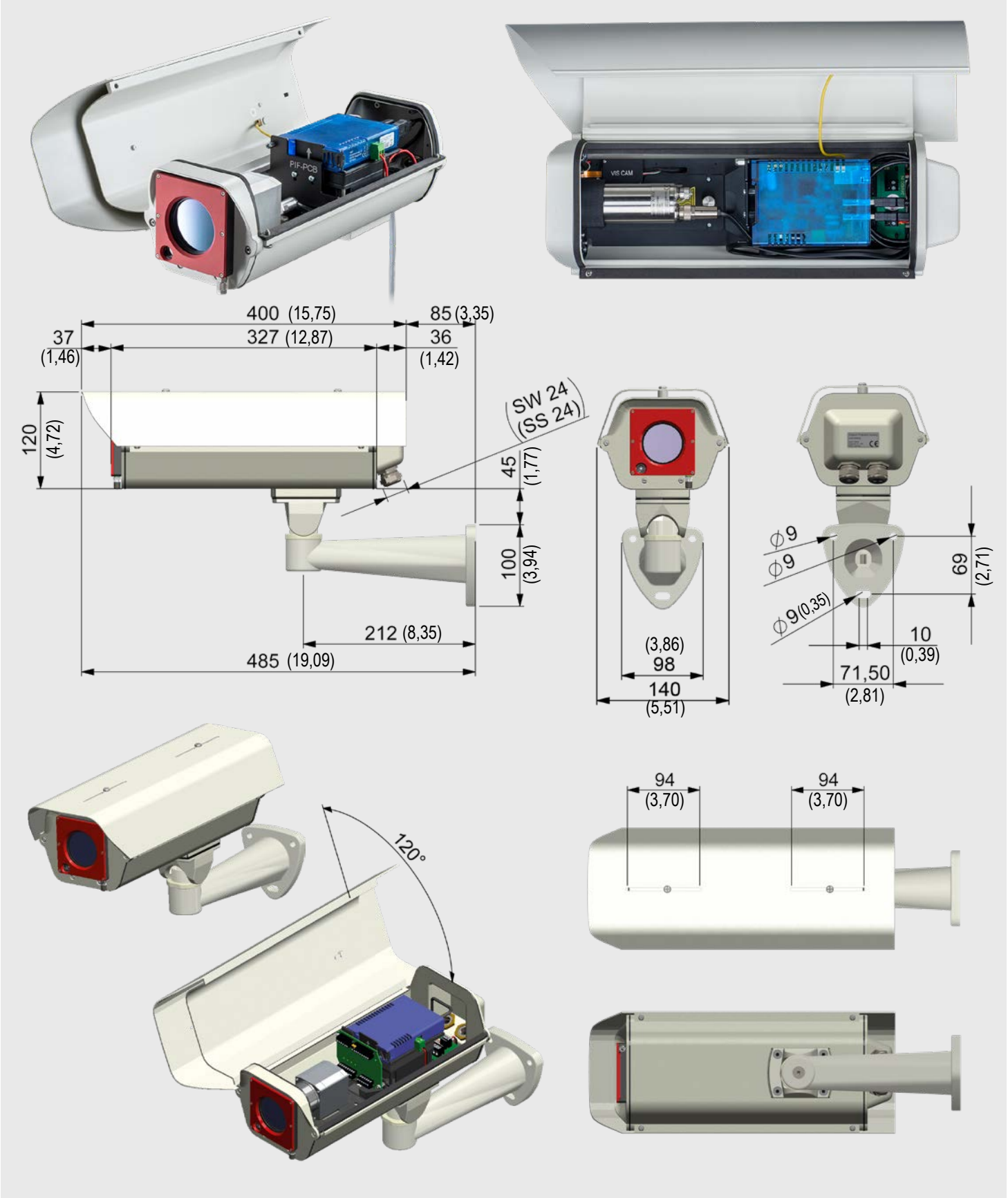
Dimensions in mm (in)