optris Xi 400 CM
TECHNICAL DATA
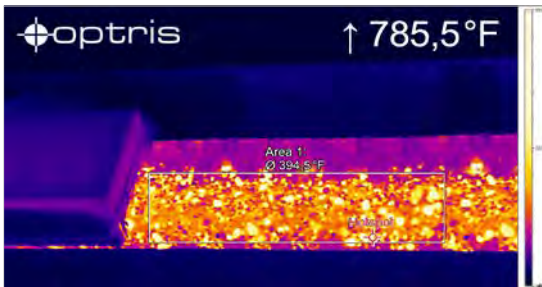
optris infrared measurements

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 a wide operating temperature range of - 40 °C up to 50 °C (- 40 °F up to 122 °F)
- IR camera with 382 x 288 px and HD video camera with 1280 x 720 px
- USB-Server Gigabit (PoE) for easy integration of both camera streams (IR + VIS) in video management systems

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↑ 785,5°F

Area 1
Ø 394,5°F

-40 °F up to +122 °F

↑ 76.75°F

Specifications Outdoor protective housing

Environmental rating	IP 66
Operating temperature range	–40 °C ... 50 °C (- 40 °F up to 122 °F)
Heating	PTC heater (starts automatically at T < 15 °C [59 °F]) / Fan for homogeneous temperature distribution
Power supply	24 V DC (or PoE)[1]
Power	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 Xi 400

Measurement ranges	–20 °C ... 100 °C (–4 ... 212 °F)/ 0 °C ... 250 °C (32 ... 482 °F) (20) 150 °C ... 900 °C (302 ... 1652 °F) 1) optional: 200 °C ... 1500 °C (390 ... 2732 °F)
Optical resolution	382 x 288 pixels
Frame rate	80 Hz / 27 Hz
Thermal sensitivity (NETD)	80 mK
Optics FOV	from 18° to 80° HFOV/ motorized focus
Power supply	USB/ PoE (via USB Server Gigabit)

Specifications visual camera

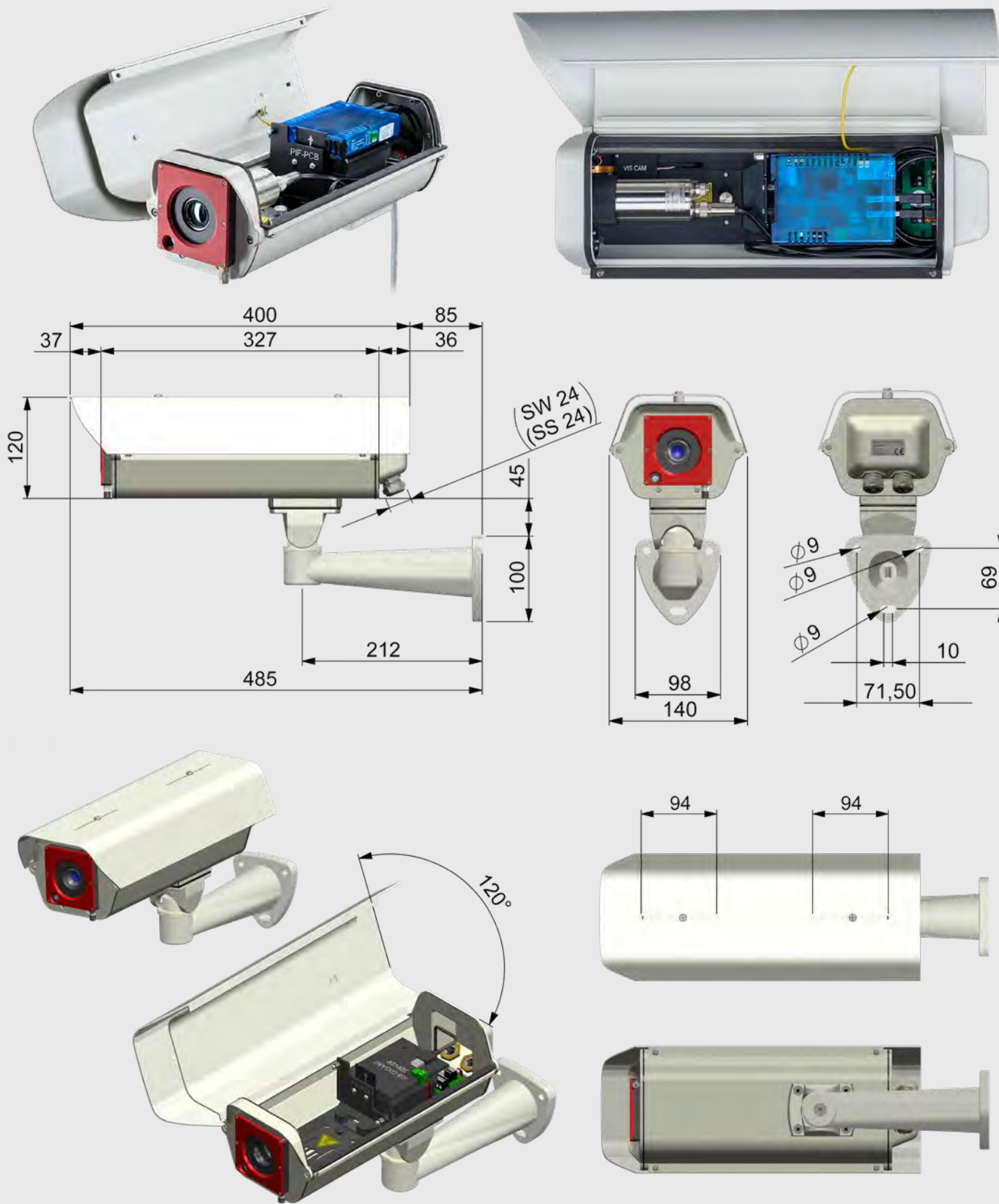|	
Optical resolution	1280 x 720 pixels
Frame rate	30 Hz
Lens size	1/4"
Max. FOV	65° (DFOV)
Power supply	USB/ PoE (via USB Server Gigabit)

Scope of Supply

- Outdoor protective housing with Xi 400 IR camera and HD video camera
- Air purge collar
- USB Server Gigabit
- Wall mount

Dimensions in mm (in)

400

327

85

36

37

120

SW 24
(SS 24)

45

100

212

485

98

140

⌀ 9

⌀ 9

⌀ 9

69

10

71,50

120°

94

94