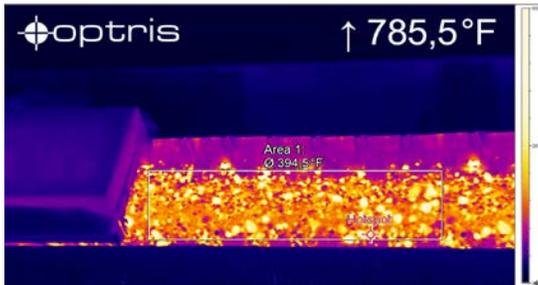


**Infrared camera
for condition monitoring
and early fire detection**



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 of -40 °C up to 60 °C (-40 °F up to 140 °F)
- IR camera with 382 x 288 px and HD video camera with 1280 x 720 px
- USB Server HT (PoE) for easy integration of both camera streams (IR + VIS) in video management systems

Specifications Outdoor protective housing

Environmental rating	IP 66
Operating temperature range	-40 °C ... 60 °C (-40 °F up to 140 °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 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	80° (HFOV)

¹⁾ PoE is not applicable for heater or fan.

Specifications IR camera PI 450i

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	27 Hz
Thermal sensitivity (NETD)	40 mK
Optics FOV	from 18° to 80° HFOV
Power supply	USB/ PoE (via USB Server HT)

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 450i IR camera and HD video camera
- Air purge collar
- USB Server HT
- Wall mount

optris PI 450i CM

TECHNICAL DATA

Dimensions in mm (in)

