optris Outdoor Protective Housing

TECHNICAL DATA

Universal protective housing for infrared cameras of optris PI series

Features:

- Environmental rating IP 66
- Additional air purge collar allows for a continuous operation in dusty and humid conditions
- Heating element and built-in fan enable for a 24/7 operation from -40 °C up to +60 °C
- Optional with integrated HD video camera with 1280 x 720 pixels for condition monitoring applications
- USB-Server Gigabit enables easy integration of both camera streams (IR + VIS) in video control systems

Specifications Outdoor protective housing

Environmental rating	IP 66
Operating temperature range	–40 °C ... 50 °C (extended version: up to 60°C)[1]
Heating	PTC heater (starts automatically at T <15 °C) / Fan for homogeneous temperature distribution
Power supply	24 V DC (or PoE)[2]
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
Additional intergrable components	• USB Server Gigabit (recommended for combination of PI and visual camera) • Industrial Process Interface (PIF)
Material	Aluminum
Weight	2 kg / 2.5 kg with wall mount bracket
Max. FOV	90° (HFOV)
Accessories	Optional wall mount bracket[3]

[1] Extended version combinable only with PI450i with 27Hz and USB-Server HT.
[2] PoE is not applicable for heater or fan.
[3] The wall bracket is mandatory for mounting an optris outdoor protective housing.

Specifications IR camera

Camera series	PI 400i/ 450i/ 640i/ 1M/ 05M/ 08M
Measurement ranges	from -20 °C up to 2450 °C
Optics FOV	from 4° to 90° HFOV (exchangeable lenses)
Power supply	USB/ PoE (via optional USB Server Gigabit)

Specifications visual camera (optional)

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

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