

**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 50 °C (-40 °F up to 122 °F)
- Optional with integrated HD video camera 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 |
| Temperature range | -40 °C ... 50 °C (-40 °F ... 122 °F) |
| Heating | PTC heater (starts automatically at T < 15 °C [59 °F]) / Fan for homogeneous temperature distribution |
| Power supply | 24 V DC |
| 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 | <ul style="list-style-type: none"> • USB Server Gigabit (recommended for combination of PI and visual camera) • Industrial Process Interface (PIF) |
| Material | Aluminum |
| Weight | 4.4 lb / 5.5 lb with wall mount bracket |
| Max. FOV | 90° (HFOV) |
| Accessories | Optional wall mount bracket ¹⁾ |

¹⁾ The wall bracket is mandatory for mounting an optris outdoor protective housing.

Specifications IR camera

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera series | PI |
| Optical resolution | max. 640 x 480 pixels |
| Frame rate | 32 Hz / 125 Hz @ 640 x 120 pixels |
| Thermal sensitivity (NETD) | 40 mK |
| Optics FOV | 15° x 11° FOV / f = 41.5 mm (1.63 in) 33° x 25° FOV / f = 18.7 mm (0.73 in) 60° x 45° FOV / f = 10.5 mm (0.41 in) 90° x 66° FOV / f = 7.7 mm (0.30 in) |
| Power supply | Power over Ethernet |

Specifications visual camera (optional)

| | |
|--------------------|---------------------|
| Optical resolution | 1280 x 720 pixels |
| Frame rate | 30 Hz |
| Lens size | 1/4" |
| Max. FOV | 65° (DFOV) |
| Power supply | Power over Ethernet |

Outdoor Protective Housing

TECHNICAL DATA

Dimensions in mm

