IRThermo6

PONTIS
EMC PRODUCTS

– **For surveillance of thermal critical areas**

– **Wide temperature range 0 °C to 300 °C @ ± 2 °C**

– **optional 0 °C to 1,000 °C @ ± 2 °C**

– **Wide area (19 * 12 m²)**

IR Thermo Camera

The IRThermo6 is designed to observe the temperature of areas and devices in harsh electromagnetic environments or where low emission is required (e.g. EMC test facilities). The camera is covering an area of up to 19*12 m² at a distance of 9.5 m (other lenses on request). It is specially suited to survey temperature critical rooms and devices, where overheating can lead to severe damage. There are different lenses available to cover various areas. An auto-focus function helps to get precise results under changing conditions.

The camera works like a regular IP camera with ONVIF support. Addionally a comfortable PC software allows to set the parameters like region of interest and temperature thresholds.

The IRThermo6 can be controlled by an HDCon6 or an HDcon6IP, which offer event detection (e.g. over heat) and a fail safe contact.

The camera is shielded up to 200 V/m. All signal lines are transferred via fibre optic cable.

Features:

– RF-Immunity 200 V/m up to 18 GHz

– Ethernet interface

– Comfortable PC software

– Fail safe contacts via controller

Applications:

– Temperature surveillance of absorbers in high field strength testing

– Survey device under test

Accessories:

required:

– Power supply

– IPCNV optical converter

– Fibre optic cables:
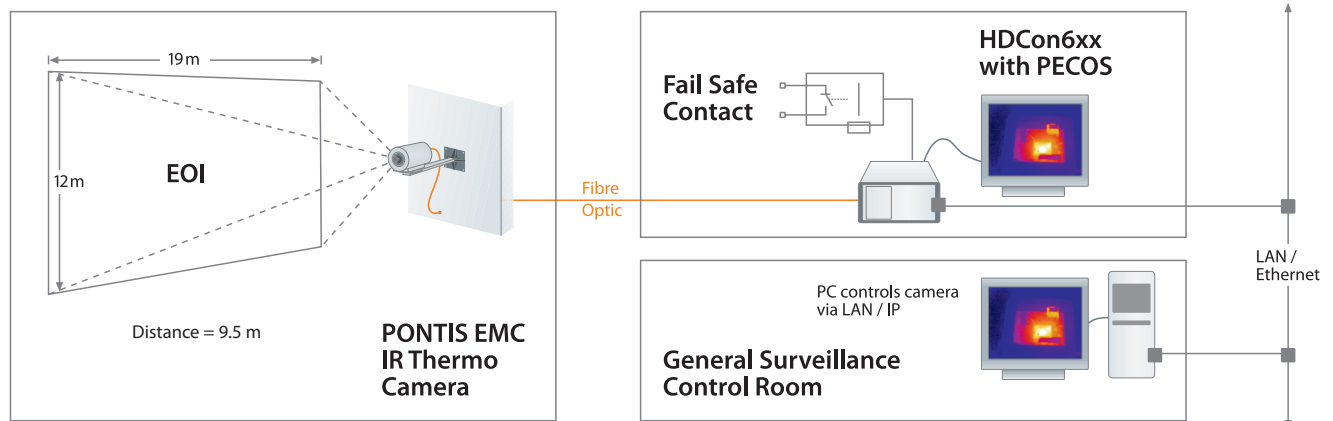 Variable lengths ST/FSMA-connector

optional:

– Tripods and wall mounts

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Technical Data

Image device	640 x 480 Pixel @32 Hz
Temperature resolution (NETD)	≤50mK@25
Temperature range (measurement)	0 °C to 300 °C (optional 0 °C to 1,000 °C)
Spectral range	8 to 14 µm
Frame rate	32 Hz
Area	12 x 19 m at a distance of 9.5 m other areas on request
Ambient temperature	0 to 50 °C
Relative humidity	20 up to 85 % RH non-condensing
Glass fibre	50 / 125 µm multimode glass fibre with STconnector
Operating temperature/humidity	0° to +50 °C / 20 to 80 % RH
Housing	Aluminium (5 mm)
External dimensions	100 mm x 100 mm x 170 mm (H x L x D)
Weight	2.5 kg
Immunity	200 V/m up to 18 GHz

Prices and specifications are subject to change without notice!

You can contact directly our local partners for sales and technical support

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