

- For surveillance of thermal critical areas
- Wide temperature range  
-20 °C to 900 °C @ ± 2 °C
- Wide area (19 \* 12 m<sup>2</sup>)
- Fail safe contacts

## IR Thermo Camera

The IRC640 is designed to observe the temperature of areas and devices in harsh electromagnetic environments (e.g. HVDC converter halls) or where low emission is required (e.g. EMC test facilities). The camera is covering an area of up to 19\*12m<sup>2</sup> at a distance 9.5 m. It is specially suited to survey temperature critical rooms and devices, where overheating can lead to severe damage.

There are digital out puts available with “fail safe” operation, which are set at overheating or when the camera fails to operate.

The controller offers an Ethernet port by which the camera can be controlled.

A comfortable PC software allows to set the parameters like region of interest and temperature thresholds.

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

### Applications:

- Temperature surveillance of absorbers in high field strength testing
- Survey device under test

### Accessories:

#### required:

- Power supply: PSM22/PSB22
- IRCon5 converter with digital outputs
- Fibre optic cables:
- Variable lengths ST/FSMA-connector

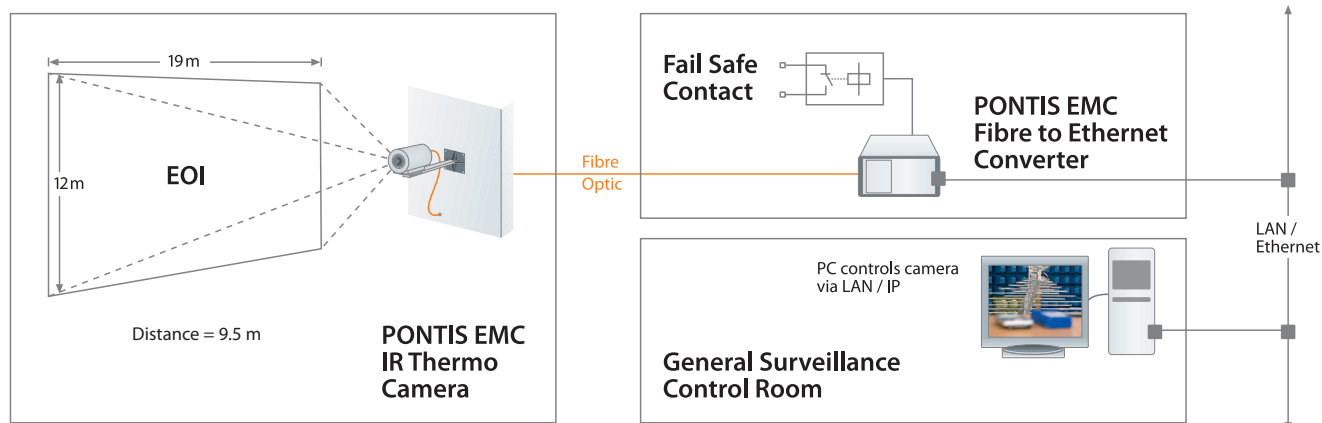
#### optional:

- Tripods and wall mounts

## Technical Data

Image device	Optris PI 640 (640 x 480 Pixel @32 Hz)
Temperature resolution (NETD)	± 2 °C
Temperature range (measurement)	-20 °C to 900 °C
Spectral range	7.5 to 13 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 glass fibre with ST- patches
Operating temperature/humidity	0° to +50 °C / 20 to 80 % RH
Housing	Chromated aluminium (5 mm)
External dimensions	120 mm x 290 mm (D x L)
Weight	2.5 kg
Immunity	200 V/m up to 18 GHz

Prices and specifications are subject to change without notice!



PONTIS EMC Products designed and manufactured by:

**PONTIS**  
EMC PRODUCTS  
A BRAND OF AUDIOVO

Audiovo GmbH  
Irrenloher Damm 30  
92521 Schwarzenfeld  
Germany

Phone +49(9435) 54 19-0  
Fax +49(9435) 54 19-19  
info@audiovo.com  
www.audiovo.com

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



www.hvtechnologies.com



www.toyo.co.jp



zongkui.shao@pontis-emc.com