



- For military / governmental / traffic / critical buildings
- Shielded for (nuclear) electro magnetic pulse
- HD / IP Cam with ONVIF

## E1 & E2 Hardened HD IP Colour Camera

As the threat of a nuclear attack and also the trend to use electro-magnetic weapons (intentional electromagnetic interference – IEMI) are constantly growing, there is demand for CCTV systems, which can survive such attacks. Lightning strikes in close vicinity also cause high electromagnetic pulses (EMP).

Besides the regular EMC shielding that guarantees low emission and high immunity, the PONTIS (N)EMP cameras use a special magnetic shielding and dedicated EMP filters that can handle the very high field strengths and induced currents, occurring with EMP and NEMP pulses. In addition to the electro-magnet immunity the cameras can also withstand harsh environmental conditions.

There are three versions available:

- In door use (0° to 70 °C)
- Weather proof: IP 64 (-40 °C to +60 °C)
- Extended version with sealed housing for very hot and dusty environment: IP64 (-30 °C to +75 °C)

In most cases these cameras need to be integrated in existing CCTV and surveillance systems. The NEMP camera offers an IP interface, that is compatible with many surveillance software applications (supporting also ONVIF).

The PONTIS NEMP CCTV system is composed of the actual camera inside a weather proof housing and a separate shielded power supply. The data communication (Ethernet) is by fibre optics. All cables for the power supply need to be specially shielded. Inside the camera housing and the power supply there is a special mechanical shielding and high performance filters.

## Features:

- Protected against class E1 & E2 pulse (short & intermediate)
- Optional remotely controlled Pan/Tilt
- Data communication (Ethernet) via fibre optic cables
- IP camera with ONVIF support
- Extended features: manual iris control, including wide dynamic range, Long exposure , image stabiliser
- HD video
- Weather protection IP65
- 24 / 7 operation

## Accessories:

### Required:

- Power supply (hardened)
- Fibre optic cables

### Optional:

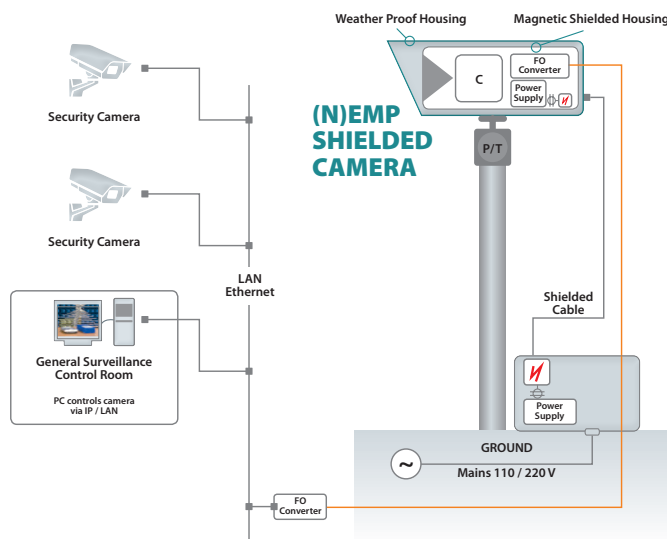
- Pan/Tilt unit (hardened)
- Sun shield

## Applications:

- Traffic surveillance (lightning safe)
- Object surveillance in critical environments
- Military and governmental buildings

## Technical Data

Video signal system	H.264, MJPEG, MPEG-4 (IP Cam, ONVIF support)
Resolution	1,920 x 1,080 Full HD
Minimum illumination	0,3 Lux @ 1.65 color
Zoom	f4.44 – 142.6 mm: 32 x optical (motorized), 16 x digital
Focus	automatic / manual
White balance	automatic
Image stabilisation	On/Off
Glass fibre	50/125 µm glass fibre with ST-connectors
Operating temperature / humidity / weather proof	– Indoor use (0° to 70 °C) – Weather proof: IP 64 (-40 °C to +60 °C) – Extended version: IP64 (-30 °C to +75 °C)
External dimensions ID/OD	590 x 175 x 168 mm (L x W x H) (incl. sunshield)
External dimensions EXT	600 x 200 x 219 mm (L x W x H)
Weight ID/OD	approx. 10 kg
Weight EXT	approx. 15 kg
Weight Pan / Tilt	approx. 11 kg
Camera supply	24 VAC, 50 / 60 Hz
Power supply (hardened)	115 / 230 VAC, 50 / 60 Hz
Immunity	Short pulse E1 & intermediate pulse E2
Compliance	MIL-STD-188-125-1
Pan / Tilt (hardened)	external, option; Pan 350 °, Tilt -80 /+20 °, max. load 25 kg



Prices and specifications are subject to change without notice!

PONTIS EMC Products designed and manufactured by:

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