



- Compact small size
- GTEM, precompliance
- In vehicle
- Stand alone economic solution
- -10 dB

High Resolution EMC Hardened Colour Camera

The HDCam5 camera is shielded up to 200 V/m at a resolution of 2 Megapixel. It offers the best resolution available and is especially suited where the HD resolution (1080p) is needed (e.g. for monitoring HD displays) or an extreme Zoom is needed (10 times optical zoom).

The camera includes Wide dynamic range (WDR) and digital noise reduction (DNR), that eliminates noise and thus is generating a distinct and clear image.

The video signal is transferred uncompressed in HD-SDI (HD-CCTV) format to the controller. Thus it is ideal for optical post processing e.g for automatic change or error detection during immunity testing. PONTIS offers a special software for automated surveillance. The camera can be operated remotely by the PONTIS EMC HD camera controllers.

Features:

- 1080 p
- RF-immunity 200 V/m up to 18 GHz, 600 V/m stripline
- EMC compliant to CISPR 25 Class 5, -10 dB
- Automatic / manual focus
- Compact housing (60 x 88 x 90 mm)
- 10 times optical zoom
- Iris control (manually, for different light conditions)
- Image stabilizer / wide dynamic range / long time exposure

Accessories:

required:

- Power supply: PSMxx, optional battery PSBxx
- Controller (zoom, focus, P/T): CONxx or HD-SDI-USB framegrabber and HD-SDI receiver (HDFRCV)
- Fibre optic cables: variable lengths ST/FSMA-connector
- PC or HDMI monitor

optional:

- Remotely controlled Pan/Tilt
- Tripods and wall mounts
- External DVR device
- Remote access via external LAN

Technical Data

| | |
|--------------------------------|---------------------------------------|
| Video signal system | HD-SDI |
| Image device | 1/3" Super HD, CCD |
| Resolution | 2.1 Megapixel (1,920 x 1,080 Full HD) |
| Minimum illumination | 0.5 Lux |
| Zoom | 10 x optical (motorized) |
| Focus | 5.1 – 51 (motorized) |
| Angle of view (horizontal) | 68 ° (WIDE), 6.7 ° (TELE) |
| Iris | automatic |
| Min. object distance | 10 cm (WIDE) |
| White balance | automatic |
| Control link | 860 nm infrared LED |
| Video link | digital, 1310 nm laser |
| Glass fibre | 50/125 µm glass fibre, ST conn. |
| Operating temperature/humidity | 0 °C to +50 °C / 20 to 80 % RH |
| Housing | aluminium (6 mm) |
| Colour | light grey (RAL 7035), petrol |
| Dimensions | 88 mm x 60 mm x 98 mm (H x W x L) |
| Weight | 750 g |
| Immunity | 200 V/m up to 18 GHz |
| Compliance | CISPR 25 Class 5, ISO 11452 |
| Pan / Tilt PT51 | external, option; H: ± 170°, v: 135° |

Prices and specifications are subject to change without notice!

