



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

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 (3 times optical zoom).

The wide viewing angle of 88° (horizontally) makes it suitable for viewing complete dashboards.

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. The camera can be operated remotely by the PONTIS EMC HD camera controllers.

A mini monitor and control pad can be connected to set up the camera locally without a controller.

FEATURES:

- 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
- Iris control (manually, for difficult light conditions)
- 3 times optical zoom
- Compact housing (60 x 60 x 90 mm)
- Full HD: 1080 p from sensor to display
- Wide viewing angle (88,4°)
- Image stabilizer / wide dynamic range

ACCESSORIES:

required:

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

optional:

- Remotely controlled Pan/Tilt
- Tripods and wall mounts
- Mini monitor and key pad

TECHNICAL DATA

Video signal system	HD-SDI (optical), CVBS (BNC)
Image device	1/2" Sony CMOS sensor
Resolution	2.1 Megapixel (1,920 x 1,080 Full HD)
Minimum illumination	0,15 Lux
Zoom	3 x optical (3.6 – 10) (motorized)
Angle of View	(horizontal) 88,4° (WIDE), 40,7 (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 ° to +50 °C / 20 to 80 % RH
Housing	coated aluminium
External dimensions	60 mm x 60 mm x 98 mm (H x W x L)
Weight	ca. 450 g
Immunity	200 V/m up to 18 GHz
Compliance	CISPR 25 Class 5, ISO 11452

Prices and specifications are subject to change without notice!