HDCam5W

PONTIS
EMC PRODUCTS

- Compact small size
- Wide viewing angle (88,4°)
- GTEM, precompliance
- In vehicle
- Stand alone economic solution

HIGH RESOLUTION EMC HARDENED COLOUR CAMERA

The HDCam5W camera is shielded up to 200 V/m with a resolution of 2 Megapixel. It is especially suited for applications where the HD resolution (1080p) is needed (e.g. for monitoring HD displays) or an optical zoom is required.

The video signal is transmitted uncompressed in HD-SDI (HD-CCTV) format to the controller. Thus it is ideal for optical post processing, for example for automatic change or error detection during immunity testing. The camera can be operated remotely by the PONTIS EMC HD camera controllers. A control pad with a mini monitor can also be connected to the camera for local setup without a controller or a pan/tilt unit.

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 (110 x 70 x 70 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): HDCONxxx
- Control pad with a mini monitor: HCU5 (pan/tilt not required)
- Fibre optic cables: variable lengths ST/FSMA connector
- Monitor: HDMI, DVI

optional:

- Remotely controlled pan/tilt with a controller (e.g. PT61)
- Tripods and wall mounts
- Controller with recording (e.g. HDCon6) or external DVR
- HDRCV: converter for fibre optic video to HDMI

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TECHNICAL DATA

Focal Length	f = 3.6 ~ 10 mm
Aperture ratio	F 1.5 (wide) ~ F 2.7 (Tele)
Field of View	diagonal W: 96.3° / T: 46.1°
Minimum object illumination	0.15 lux
Resolution	1920 x 1080 px, 1280 x 720 px
S / N ratio	>50dB (AGC off)
Shutter speed	1/1 to 1/10000 s, 22 steps
Image stabilisation	yes
White balance	automatic white balance
Wide dynamic range (WDR)	yes
Min. Object Distance	10 cm
Operation Mode	
Iris	automatic/ manual 20 steps
Zoom, Focus	motorized
Pan-/Tilt	RS485 / PELCO-D
Video link	digital, 1310 nm
Command Link	digital, 850 nm
Glass fibre	50/125 µm glas fibre with ST patches
Operating environment	0° up to +50 °C
Operating humidity	20 up to 80 % RH
External dimensions	110 mm x 70 mm x 70 mm (H x W x L)
Case	aluminium, 4 mm
Weight	approx. 500 g
RF-Immunity	200 V/m up to 18 GHz

Prices and specifications are subject to change without notice!

PONTIS EMC PRODUCTS
A BRAND OF AUDIVO

PONTIS EMC Products designed and manufactured by:

Audivo GmbH
Irrenloher Damm 30
92521 Schwarzenfeld
Germany

Phone +49 (9435) 5419-0
Fax +49 (9435) 5419-19
info@audivo.com
www.audivo.com

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

www.hvtechnologies.com
india@pontis-emc.com
zongkui.shao@pontis-emc.com