



- For high demands in HD
- High performance full HD Camera
- 1080 p from sensor to display
- For difficult light conditions
- CISPR 25 Class 5, -20 dB
- Integrated microphone

## HD VIDEO EMC HARDENED ADVANCED CAMERA

The HDCam7 camera is shielded up to 200 V/m at a resolution of 3.3 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. The combination of 30 times optical and 12 times digital zoom gives a zoom range of 360. The video signal is transferred uncompressed in HD-SDI (HD-CCTV) format to the controller. Features like e.g. manual iris control make it especially suitable for difficult light conditions like e.g. viewing displays.

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

### FEATURES:

- RF-immunity 200 V/m up to 18 GHz
- EMC compliant to CISPR 25 Class 5, -20 dB
- Automatic / manual focus
- Compact housing (108 x 80 x 158 mm)
- Integrated microphone for audio surveillance and intercom
- 30 times zoom
- Iris control (manually, for difficult light conditions)
- Image stabilizer / wide dynamic range / long time exposure
- Full HD: 1080 p from sensor to display

### ACCESSORIES:

#### required:

- Power supply: PSMxx, optional battery PSBxx
- Controller (zoom, focus, P/T): HDCONxxx
- Fibre optic cables: variable lengths ST/FSMA-connector
- Monitor: HDMI, DVI

#### optional:

- Remotely controlled Pan/Tilt
- Tripods and wall mounts
- External DVR device
- Remote access via external LAN
- Controller with integrated LAN-Pecos\_DVR for customized event detection and recording

## TECHNICAL DATA

Video signal system	HD-SDI
Image device	1/2.8" CMOS
Resolution	3.27 Megapixel (1,920 x 1,080 Full HD)
Minimum illumination	0.5 Lux
Lens	1/3"
Zoom	30 x optical (motorized), 12 x digital
Focus	4.3 – 138.0 mm (motorized)
Angle of View (horizontal)	59,5 ° (WIDE), 2.1 (TELE)
Iris	automatic / manual (32 steps)
Min. object distance	10 mm (wide end) to 1,200 mm (tele end)
White balance	automatic
Special	Compact camera module
Microphone	integrated in front panel, transmission via HD-SDI
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	passivated aluminium (6 mm)
Colour	light grey (RAL 7035) / petrol
External dimensions	108 mm x 80 mm x 158 mm x (H x W x L)
Weight	1,400 g
Immunity	200 V/m up to 18 GHz (HIRF 3000 V/m up to 18 GHz)
Compliance	CISPR 25 Class 5, -20 dB, ISO 11452
Pan / Tilt PT51	external, option; Pan (H): ± 175 °, Tilt (v): +35/-60 °

Prices and specifications are subject to change without notice!

**PONTIS**  
EMC PRODUCTS  
A BRAND OF AUDIOVO

PONTIS EMC Products designed and manufactured by:

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](http://www.hvtechnologies.com)



[www.toyo.co.jp](http://www.toyo.co.jp)



[zongkui.shao@pontis-emc.com](mailto:zongkui.shao@pontis-emc.com)