



- HIRF: 1000 V/m pulse mode
–18 GHz
- Up to 3000 V/m (PM)
- Full HD camera
- For difficult light conditions
- -20 dB

HIRF Hardened Colour Camera

HDCam7-HIRF has been designed to meet High Intensity Radiated Field (HIRF) according to RTCA-DO-160, G and Q. This design now operates in field strengths of 1000 v/m (PM) up to 18 GHz and also 3000 v/m (PM) at some frequencies. Its compact size and excellent video performance make it the right choice for all applications, where a remotely controlled camera with good optical resolution and a wide zoom range is needed. Automatic focus and white balance help to get a clear picture at any situation.

The camera can be operated by the PONTIS EMC controllers.

Features:

- Full HD
- RTCA-DO-160 G – with field strengths of up to 3000 v/m (PM)
- RTCA-DO-160 Q – 1000 v/m to 18 GHz (PM)
- EMC compliant to CISPR 25 Class 5, -20 dB
- Automatic / manual focus
- 40 times optical zoom
- Compact housing (Ø 100 x 190 mm)
- 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
- Fibre optic cables: variable lengths ST/FSMA-connector
- Monitor: CRT and LCD in different sizes

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
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