



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

## HIRF Hardened Colour Camera

Cam80P-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. It's compact size and excellent video performance make the right choice for all application, 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:

- FBAS / analog
- 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	PAL System NTSC System (CAM80N-HIRF)
Image device	1/4" Super HAD II, CCD
Resolution	PAL: 670 TV- lines, horizontal NTSC: 670 TV- lines, horizontal
Minimum object illumination	PAL: 0.04 Lux @F1.6 NTSC: 0.04 Lux @F1.6
<b>Lens</b>	
Zoom	40 x optical zoom (motorized), 12 x digital zoom
Focus	3.06 – 122.4 mm (motorized)
Iris	automatic / opt. manual
Minimum object distance	32 cm (WIDE), 150 cm (TELE)
Angle of view	60° (WIDE) – 1.6° (TELE)
White balance	automatic
Special	compact camera module
Control link	860 nm infrared LED
Video link	analogue, 860 nm infrared-LED
Glass fibre	50/125 µm glass fibre, ST conn.
Operating temperature / humidity	0° to +40 °C / 20 to 80 % RH
Housing	passivated aluminium, 6 mm
Colour	light grey (RAL 7035), petrol
External dimensions	100 mm x 190 mm x (D x L)
Weight	2 kg
HIRF (due to special housing)	1000 v/m to 18 GHz 3000 v/m at some frequencies
Compliance	CISPR 25, Class 5, -20 dB
Pan / Tilt PT81	external, option; Pan (H): ± 135°, Tilt (v): +80/-90°
Pan / Tilt PT51	external, option; Pan (H): ± 175°, Tilt (v): +35/-60°

Prices and specifications are subject to change without notice!

