



Model PR-MCC-001/EXM/SS/IP

FEATURES AND BENEFITS

- Rugged construction suitable for heavy-duty applications. Made from 316L stainless steel for heavy-duty marine applications.
- Optionally wash/wipe device for clear image in any weather conditions.
- ATEX approval II 2 G Exd IIC T4.
- Fully 350 degree rotation and built in heater.

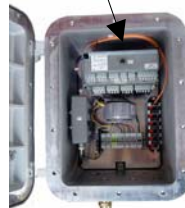
Options:



Bird anti-landing



EXM WW-EXM



VID-JB-(FIB-01)/EX

Options:

WW-EXM

= Wash/Wipe glass cleaning device.

BAL

= Bird anti-landing device.

VID-JB-FIB-01/EX = ATEX fiber optic transceiver box.

The model PR-MCC-001/EXM/SS/IP is an IP based full HD at 1080p ATEX stainless steel explosion proof camera unit with moving mechanism. The housing is suitable for IIC gas groups.

The unit will be supplied with an full HD -IP camera with 30 times zoom lens, a sunshield, built in telemetry and heating up to minus 20° Celsius.

Specifications.

Camera specifications

Minimum scene illumination	: 0,35 Lux (IRE50) day mode. 0,013 Lux night mode.
CCD image sensor	: 1/2.8 " EXMOR CMOS progressive scan.
Resolution	: Full HD at 1080p and 60ips
Ethernet connection	: RJ-45 (100/1000base-T)
Compatibility	: ONVIF, PSIA, CGI
Lens	: Integrated motorised remote controlled zoom lens 4,3 - 129 mm (30x) F=1,6 to F4.7

Housing specifications

Construction	: Electro-polished 316L stainless steel.
Power supply	: 24VAC/50Hz , 120VAC or 230VAC at 80Watt max. when both motors (P&T) are driven at the same time and heating is ON. Specify operating voltage when ordering.
Dimensions (LxHxD)mm	: 512x475x120mm.
Horizontal/vertical range	: 350° / +175° to -175°.
P&T motor speed	: 45°/sec pan 24°/sec tilt
Approvals	: ATEX approval II 2 G Exd IIC T4. (T5 & T6 on request)
Protection camera	: IP66/67
Temperature range camera	: Minus 20C° to +65C° (Minus 60C° optionally)
Shipping weight	: 53Kg.
VID-JB-(FIB-01)/EX	: See separate datasheet Pub-0003-126a

ATEX EXPLOSION PROOF OUTDOOR TELEMETRY RECEIVER IP 66

Model VID-JB-FIB-01/EX

(Picture shown with By-phase protocol telemetry receiver and multi-mode fiber converter)

FEATURES AND BENEFITS

- Converts data from the camera control joystick to contacts to control camera lens and moving mechanism.
- Optionally receiver for “Preset” functions and fiber unit (FIB-01).
- Includes ring transformer 24VAC for power supply of camera and P&T moving mechanism.
- Suitable for outdoor use. Protection IP66.
- Extra space for fiber optic converter Allows direct entry with fiber optic cable.

OPTIONS.

Add abbreviations below to above model number in order to obtain the option. (F.e. Model VID-JB-01)/EX/MC is an outdoor explosion proof telemetry box with IP66 protection and marine coating.)

MC = Marine coating. Green colour

ELT = Extra heating for extended low temperature up to -30C°.

The model VID-JB-01/EX (telemetry only) and VID-JB-FIB-01/EX (telemetry including fiber converter) are ATEX explosion proof telemetry receiver units suitable for direct use with a PR-MCC-00x/EXM explosion proof camera housing with P&T function. (See datasheet 0003-085)

As option the same box may carry a receiver with preset memories.

All units has been provided with five (5) each explosion proof glands in order to accept the incoming power cable, the multi-conductor camera cable, data cable and or fiber cable or the outgoing coaxial cable.

Specifications.

Construction	: Die cast aluminium housing. Colour light grey. Optionally marine coating.
Power requirements	: 230VAC 50/60 Hz. Other tensions available.
Power consumption	: 60Watt. (95Watt with the option “extended low temperature”)
Field connection	: screw terminals.
Maximum distance	: Between unit and camera 6,5mtr. Between unit and camera control unit max.150 mtr with colour camera and RG59 cable. (330 mtr with RG11 coax cable and 5 Km with fiber cable)
Protection	: ATEX II 2GD Ex d IIB+H2
Temperature range	: 0C° to +60C°. Optionally extended low temperature up to -30C°
Dimensions (WxHxD)	: 360x430x275mm (excluding glands)
Shipping weight	: 32Kg

HD-SDI(*) FIXED ATEX EXPLOSION PROOF CAMERAHOUSING IP 66.



Model PR-FCC-001/HD/EXF

FEATURES AND BENEFITS

- Rugged construction suitable for heavy-duty applications. Made from strong anti-corodal aluminium protected with grey powder coating.
- Optionally motorised glass-cleaning system for clear image in any weather conditions.
- ATEX approval II 2 GD EExd IIC T6.
- Two cable gland entries GAS 3/4".

Options:



Bird anti-landing



WW-EXF
(Mylar motorised glass cleaning device)

Options:

WW-EXF = Mylar motorised glass cleaning device.
BAL = Bird anti-landing device.

The model PR-FCC-001/HD/EXF is a HD-SDI (*) full HD at 1080p ATEX explosion proof fixed camera unit. The housing is suitable for IIC gas groups. The unit will be supplied with a sunshield, built in heating up to minus 20° Celsius, a rugged swivel mount and a wall bracket for easy mounting facilities.

SPECIFICATIONS.

Camera specifications

Minimum scene illumination : 1 Lux (50IRE) day mode, 0,08 Lux (50IRE) night mode (sensUP in OFF position).
 CCD image sensor : 1/3 " CMOS progressive scan.
 Resolution : HD-SDI(*) full HD at 1080p and 25/30 ips
 Infra red vision (night vision) : Yes and automatic day/night switch.
 Lens : Varifocal lens 5-50mm F=1,4 . Other focal lengths available.

Housing specifications

Construction : Non-corrosive die-cast aluminium (anticorodal) protected with grey bi-component polyurethane coating.
 Power consumption : 25Watt/24VAC/DC. (20Watt for heater and 5 watt for camera.) A 230VAC version is available.
 Dimensions (LxHxD)mm : 233x375x640mm (Includes wall bracket and swivel-mount).
 Approvals : ATEX approval II 2 GD EExd IIC T6.
 Protection : IP66
 Temperature range camera : Minus 20C° to +50C° (With optionally heater up to minus 40 C°)
 Colour : RAL 7032
 Shipping weight : Camera housing = 15Kg Swivel mount = 3Kg Wall bracket = 6,6Kg

(*) = HD-SDI (High Definition, Serial Data Interface) are High definition cameras on which one HD camera provides as much information as four analogue cameras. HD-SDI runs on coax cables and do not need any IP address or PC or software is involved.

FIXED ATEX EXPLOSION PROOF HD-SDI(*) COLOUR CAMERA IP66

FEATURES AND BENEFITS



Model EXCAM-001/HD

(Shown with standard included adjustable stainless steel wall bracket)

- ATEX IIG/D EEXd IIC T6 explosion proof and IP66 protection.
- Automatic "Day/Night" sensing providing excellent pictures and IR view during night.
- HD-SDI full HD picture at 1080P full HD up to 100 meter over coax HD-SDI cable. Up to 2Km using fiber converter.
- Compact design allowing simple installation.
- Including 5 meter pre-assembled combi-cable. (Coax and power 24VDC in same cable)



Exd-JB

(ATEX termination box 230VAC)



Exe-JB

(ATEX termination box 24VAC/DC)

OPTIONS

Add abbreviations behind model number to order the options.

- Exe-JB** = ATEX EExe Junction box 4 terminals in order to connect the field cabling. Allows power connection at 24VDC.
- Exd-JB** = ATEX EEXd Junction box 2 terminals and build in 230VAC/24VDC powersupply. Allows power connection at 100...230VAC.

The model EXCAM-001/HD is a HD-SDI full HD colour fixed camera mounted into an explosion proof housing with IP66 protection and provided with a adjustable stainless steel wall bracket. The camera unit is provided with a fixed megapixel lens of 3,7mm. Optionally lenses of 6 - 8 and 16mm are available. Specify lens type when ordering.

The camera is pre-assembled with a 5 meter long combi-cable (Power and video in same cable). This cable can be extended up to 100 meter using the termination junction boxes Exd-JB (230VAC) or Exe-JB (24VAC/DC). The length can be increased using HD-SDI extenders in the coax line. (To be installed into the safe area or using an EEXd housing). Alternate you may use fiber optic cables up to 5Km (MM) or 60Km (SM).

The model EXCAM-001/HD is ideal for installation into hazardous area were limited space is available and is highly recommended for process survey or site access video control requiring high definition picture at low illumination.

Specifications

Construction	: Housing :Aluminium casting. Green marine coating. Wall bracket : Stainless steel
Power	: 11VAC/DC36VDC or 24VAC at 250mA (3Watt). Or 230VAC using termination box Exd-JB.
Cable entry	: 1 each 3/4" NPT on bottom side pre-assembled with ATEX gland for cable outside Ø 6mm. (5,5-8mm)
Minimum scene illumination	: 0,1 Lux (50IRE @ F:1.2) at day mode and 0,001 Lux (F:1.2) at night sense-up mode.
CCD image sensor	: 1/3 " Panasonic CMOS and 2,1Mega pixels. Image format 16:9
Resolution	: Full HD at 1080p. Progressive scan.
Video output	: HD-SDI over standard coax. Maximum 100 meter using RG59/BU.
Dimensions (WxHxD)mm	: 150x210x150mm. (Including wall bracket)
Lens	: Standard 3,7mm (equal to 80° horizontal view.) Optionally 6mm, 8mm and 16mm. Please specify when ordering.
Approval/Protection	: ATEX IIG/D EEXd IIC T6 and IP66
Temperature range camera:	: Minus 10C° to +50C°
Shipping weight	: 3Kg (Including wall bracket)

(*) = HD-SDI (High Definition, Serial Data Interface) are High definition cameras on which one HD camera provides as much information as four analogue cameras. HD-SDI runs on coax cables and do not need any IP address or PC or software is involved.