



Stainless steel

Pan/Tilt/Zoom Camera for hazardous areas

EC-740-PTZ series

This camera provides day and night surveillance for outdoor areas. The IP69K protection of the colour Ex-PTZ camera allows easy cleaning of extremely soiled by using a high-pressure cleaner. The temperature range of -40°C up to +75°C allows worldwide operation without additional enclosures. Thanks to the SNF (Sensor controlled Nitrogen Filling) design, the camera is maintenance-free and easy to handle.



Aluminum

Hardware Features

- Front glass hardened for scratch protection.
- IP69K allows cleaning with a pressure cleaner 14-16L/min 80°C and 100 bar
- Heated lenses offer protection against condensation and frost
- The temperature range of -40°C up to 75°C allows worldwide operation without an additional enclosure.
- Zone 1, 2, 21, 22 (Gas / Dust)
- There is a 3.5m pigtail installed on the camera

Hardware Types

Models	Description
EC-740-PTZ-EX-ALU-362-P	Aluminum PTZ with RS-232, PAL Module
EC-740-PTZ-EX-ALU-364-P	Aluminum PTZ with RS-485, PAL Module
EC-740-PTZ-EX-SST-362-P	Stainless steel PTZ with RS-232, PAL Module
EC-740-PTZ-EX-SST-364-P	Stainless steel PTZ with RS-485, PAL Module
EC-740-PTZ-EX-ALU-362-N	Aluminum PTZ with RS-232, NTSC Module
EC-740-PTZ-EX-ALU-364-N	Aluminum PTZ with RS-485, NTSC Module
EC-740-PTZ-EX-SST-362-N	Stainless steel PTZ with RS-232, NTSC Module
EC-740-PTZ-EX-SST-364-N	Stainless steel PTZ with RS-485, NTSC Module

Explosion Protection:



IECEX KEM 09.0039X
 KEMA 09ATEX0102 X
 INMETRO UL-br14.0441X
 CoFC_70010892
 RU C-DE.ГБ04.В.00260

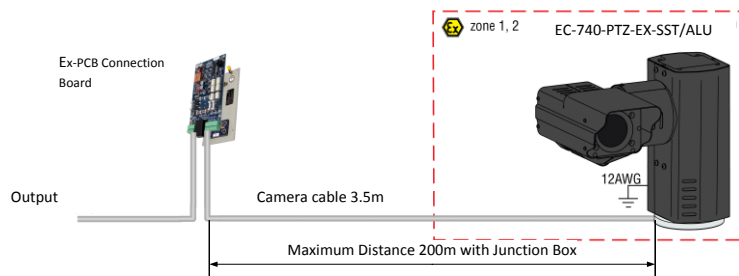
Zone 1, 2, 21, 22
 Ex II 2 G Ex mb IIC T6/T5/T4 Gb
 Ex II 2 D Ex mb IIIC T85/100/125°C Db

Temperature Range:

T4: -40°C < +75°C,
 T5: -40°C < +50°C,
 T6: -40°C < +35°C.

Cold start: -10°C

Operation principle



IP Protection:

IP 68 according IEC 60529
 IP 69K according DIN 40050-9

NOTE: The Ex certificate applies only when both, the Ex-PCB-Connection board and the Ex-camera are used together. For more installation and specification details see the Installation manual.

Pan/Tilt/Zoom Camera EC-740-PTZ series



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Technical Data		
Sensor	1/4" type EX view HAD CCD	
Resolution	752 (H) x 582 (V) (ca. 440.000 pixels), PAL 550 TVL (wide end)	
Lens	F = 3.4 mm (wide) to 122.4 mm (tele). 36 x optical zoom, 12x digital, F=1.6 to F=4.5	
Lens speed	From wide optical to tele 4 sec	
Angle of view (H)	57.8° (wide) to 1.7° (tele)	
Min. working distance	320 mm (wide), 1500 mm (tele)	
Minimum Illumination	1,4 Lux (F1.6, 50 IRE) Typical 0,1 Lux (1/3 sec)	
Day/Night function	IR Cut filter (ICR)	
White balance	AUTO, ATW, Indoor	
S/N Ratio	50 dB or more	
Video output	VBS: 1.0 Vp-p (sync negative)	
Voltage	24V DC	
Pan angle	360° total, 180° left 180° right	
Tilt angle	180° total, 90° up 90° down	
PTZ Backlash	1°	
PTZ Speed	12,5°/Sec	
PTZ Presets	128 for VISCA protocol , 255 presets for Pelco-D protocol	
Power consumption	Temperature <0°C (heater on): 5,6W Temperature >0°C (heater off):3,6W Pan/Tilt Unit: 12W	
Cable	3.5m (+/-0.04m), cable should be mounted fixed	
Protection	1.4 Bar overpressure filled with dry nitrogen, long term stability 0,1%/year	
Fuse	The camera must be protected with a 500mA-T fuse, with 1500A breaking capacity. Placed on the Ex PCB-Connection Board, see installation manual.	
Glass	Chemically hardened glass. 7x stronger than ordinary glass, scratch proof surface, following "VII Flachgläser" (German std.)	
Bracket and mounting parts	Stainless steel 316	
	EC-740-PTZ-EX-ALU	EC-740-PTZ-EX-SST
Housing	Sun cover and housing: aluminum (AlMgSi1)	Sun cover and housing: stainless steel 316
Weight	8,8 kg including 3.5m cable	18,8 kg including 3.5m cable
Communication	EC-740-PTZ-xxx-362-x RS-232, 9600 Baud, Pelco-D or Visca protocoll	EC-740-PTZ-xxx-364-x RS-485, 9600 Baud, Pelco-D or Visca protocoll
Optional accessories	Ex e terminal box multicable non-armoured, multicable armoured, video encoder, Wash and Wiper system for stainless steel versions, 7" or 15" Ex d monitor	

Units in mm

