



Ex Specifications

CE 0344

Ex II 2 G Ex ib mb px IIC T6...T5 Gb

Ex II 2 D Ex tb mb IIC T89° Db



Pan-Tilt Zoom Camera EC-740-PTZ series

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Technical Specifications



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CE 0344

Ex II 2 G Ex ib mb px IIC T6...T5 Gb

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Pan-Tilt Zoom Camera EC-740-PTZ series

Set number	0401130 Pan-Tilt Zoom Camera EC-740-PTZ AL
Article number	0404960 Set Ex board plate
Article number	8906910 Pan-Tilt Zoom Camera EC-740-PTZ AL

Set number	0401140 Pan-Tilt Zoom Camera EC-740-PTZ SSt
Article number	0404960 Set Ex board plate
Article number	8906900 Pan-Tilt Zoom Camera EC-740-PTZ SSt

Pan-Tilt Zoom Camera EC-740-PTZ series

CCD sensor	1/4" type IT CCD (EX view HAD CCD).
Picture elements	752 (H) x 582 (V) (ca. 440 000 pixels)
Resolution	460 TVL (Wide end).
Lens	f = 4,1 mm (wide) to 73,8 mm (tele). 216 x zoom ratio; 18 x optical zoom, 12 x digital
Lens speed	From wide optical to tele (optical) 2,1 sec. (f=1,4 to f=3,0 zoom movement speed)
Angle of view (H)	48° (wide) to 2,8° (minimum object distance)
Min. working distance	290mm (wide end), 800 mm (tele end).
Min. illumination	0,7 Lux (f1,4 1/50 sec. PAL) 0,1 Lux (f1,4 1/3 sec. PAL).
S/N ratio	50 dB or more.
TV system	PAL, CVBS, 625 lines interlaced, 50 Hz, 4,43 MHz colour subcarrier 1 Vtt (75 ohm).
Power consumption	Camera unit; Temperature <0°C (heater on): 5,6W. Temperature >0°C (heater off): 3,6 W. Pan & Tilt; 24V, 12W.
Pan angle	Total 340°, 170° left, 170° right.
Tilt angle	Total 180°, 90° up, 90° down.
Backlash PTZ	1°.
Fixed camera positions	6 preset camera positions, preset tolerance: <1°
Pan & Tilt speed	12,5°/sec.
Fuse	The PTZ must be protected with a 500 mA-T fuse, with 1500A breaking capacity.
PTZ Alu Housing	Anodised aluminium housing corrosion proof according IEC 60068-2-52 salt mist, cyclic.
PTZ SSt housing	Stainless steel 316.
PTZ Alu Weight	5 kg, including 5 metre cable.
PTZ SSt Weight	15 kg, including 5 metre cable.
Communication	RS 232 Visca protocol 9,6 Kbps.
Protection	IP68 according IEC 60529. 1,4 Bar overpressure filled with dry nitrogen, monitored by 2 absolute sensors, long term stability 0,1%/year.
Operating temperature	T5: Tamb -40°C to +75°C. T6: Tamb -40°C to +20°C.
Power input	Power PTZ unit = 24V +/-10%.

NOTE:

The Ex certificate applies only when both, in this data sheet mentioned components are used.

Set Ex board plate

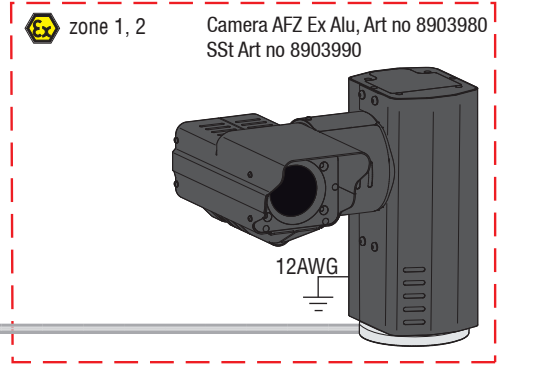
Temperatuur range	-40°C ... +80°C
Power input	24V/DC +/-10%.

The Ex-board monitors the gas-pressurised camera via an intrinsic safe circuit. Whenever the protection by pressure fails all power is switched off and a buzzer will sound. This Ex-board may only be used in combination with the camera's mentioned in this datasheet to be compliant with the applicable (EX-) regulations. The board can be mounted in a 19"-rack or in an Ex-board Box.

Electrical Parameters

Camera connector	Pan & Tilt connector	Power connector	Intrinsic Pressure sensor connector
U ₀ = 24V +/-10%	U ₀ = 24V +/-10%	U _m = 29,5V	U ₀ = 12V
I ₀ = 315mA	I ₀ = 500mA	U _i = 24V +/-10%	I ₀ = 100mA
P ₀ = 7,6W	P ₀ = 12W	I _i = 1A	P ₀ = 1,2W
		P _i = 24W	U _i = 16V
			I _i = 50mA
			P _i = 0,8W
			C ₀ = 460F
			L ₀ = 1,5mH
			Li = 0
			Li/Rim = 0

Standard configuration with Ex board plate



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