

# AmEx PTZ <sup>36</sup>

## Datasheet.

### Features.

#### Explosion proof stainless steel PTZ positioning system

The system has been certified and designed to meet the rigorous requirements for installations in hazardous areas where flammable gases and powders may be present.

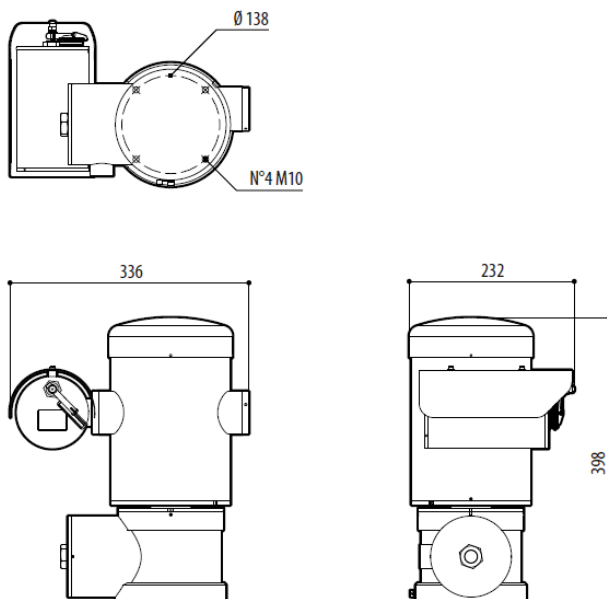
It provides an exceptional performance for the monitoring of critical processes in areas at risk of explosion and is therefore the best choice for video surveillance in the chemical, oil and gas industries.

The extreme ruggedness and the low maintenance make these products suitable to be used in extreme environments, offering a quality product that exceeds all expectations.

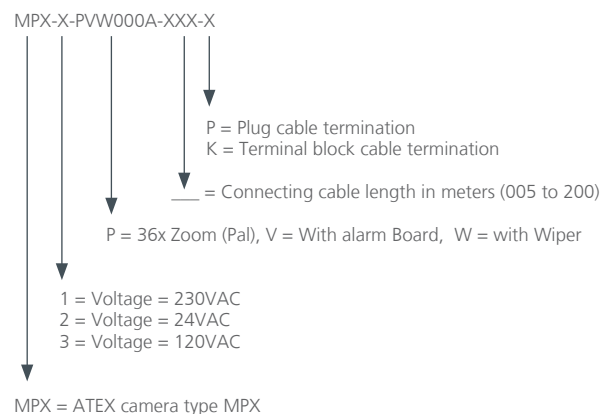
- Electropolished AISI 316L stainless steel explosion proof P&T head
- Variable speed: 0.1°-100°/s Pan and Tilt
- Continuous Pan rotation, Tilt rotation -90°/+90°
- Day/Night camera 36x
- Multiprotocol RS485/ RS422 serial interface
- Dynamic video masking of different areas
- Day/night (Auto ICR: automatic removal of IR filter)



### Dimension.



### Models.



**General Data**

AISI 316L stainless steel construction  
 Passivated and electropolished external surface  
 Quick configuration and setup  
 Dynamic positioning protocol system

**Mechanical characteristics**

Zero backlash  
 Horizontal rotation: Continuous  
 Vertical rotation: -90 to +90°  
 Variable PAN speed: 0.1°/s to 100°/s  
 Variable TILT speed: 0.1°/s to 100°/s  
 Preset accuracy: 0.02°  
 Weight: 27kg  
 Protection level: IP 66 (IEC / EN 60529)

**Electrical**

Input voltage: 230VAC (1) or 24VAC (2) or 120VAC (3)  
 Video output: CVBS (75OHM 1Vpp)  
 Control Interface: RS422, RS485  
 Surge immunity: Up to 2KV line to line, up to 4KV line to earth (Class 4)

**Video**

Optical zoom 36x, f=3.4mm (wide) to 122.4mm (tele) / F1.6 to F4.5  
 Digital zoom 12x  
 Wide Dynamic Range Yes  
 Progressive scan Yes  
 Digital image stabilisation Yes  
 White balance Auto, ATW, Indoor, Outdoor (Fix/Auto), Sodium Vapor lamp (Fix/Auto)  
 Horizontal resolution: Up to 550TV Lines  
 Day/Night (Auto/IRC) Yes  
 Image sensor: 1/4 ExView HAD CCD  
 Effective sensor pixels: Approx. 440,000  
 Minimum night illumination: 0.01 Lux (IRC Off 1/3 s)  
 Minimum day illumination: 0.1 Lux (IRC On 1/3 s)  
 Auto shutter: Yes  
 S/N ratio: 50dB plus  
 AE control: Automatic, Shutter Priority, Diaphragm Priority, Brightness Priority and Manual  
 Backlight compensation: On/Off  
 Privacy masking: Yes (24 positions, max 8 Blocks 160x120)  
 Focus system: Auto, Trigger, PTZ, Manual  
 Lens control: Sony Auto lens system  
 Angle of view: 57.8° (wide) to 1.7° (tele)  
 Minimum object distance: 320mm (wide) to 1500mm (tele)  
 Electronic iris speed: 1/1s - 1/10000s

**Functions**

General: Autopan, Present (99),  
 Autoflip, Patrol, Tour (3),  
 Autoflip  
 I/O Card: 5 DI, 2 DO (1A 30VAC/60VDC max)

**Communication**

OSD: Yes  
 Protocol: Pelco-D (standard), Panasonic,  
 Videotec MARCO, Ernitec, American Dynamics

**Explosion protection:**

Declaration of conformity ATEX : DIN EN 60079- 0:2009 , DIN EN 60079- 1:2007, DIN EN 60079-31:2009

Marking according to directive 94/9/EG:

 II 2G (zone 1 and 2)

 II 2D (zone 21 and 22)

Explosion protection (gas): Ex d IIC T6 Ta -40°C to 60°C Gb  
 Explosion protection (dust): Ex tb IIIC T85°C Ta -40°C to 60°C Db  
 Protection level: IP 66 (IEC / EN 60529)

Declaration of conformity IECEx :

Explosion protection (gas): IEC 60079- 0:2007 ,IEC 60079- 1:2007, IEC 60079-31:2008  
 Explosion protection (dust): Ex d IIC T6 Ta -40°C to 60°C Gb  
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