



ZONE 1 & 2
ZONE 21 & 22

**EXPLOSION PROOF STAINLESS STEEL
RUGGEDIZED PTZ CAMERA STATION**



AX15



WHEN SAFETY AND PERFORMANCE MATTERS

The ATEX & IECEx certified explosion proof AX15 Analog PTZ Camera Station with Wiper is well suited for video surveillance in hazardous environments, zones 1 & 2 (Gas) and zones 21 & 22 (Dust), as well as in harsh weather conditions (IP68).

FEATURES

- ATEX & IECEx certified
- Stainless Steel 316L construction
- 12mm thick tempered glass window
- Sony 1/4" Color Day/Night Camera with 36X zoom
- 100~240VAC 50/60Hz (Standard) / 24VAC (Optional)
- Pan Rotation: 360° Continuous
- Tilt Rotation: Unobstructed +90° ~ -90°
- Pan Speed: 0.1°/s ~ 40°/s
- IP68 (1.2 m, 45 mins)
- Temperature rating: -40°C ~ +60°C
- Designed for ease of installation and minimal maintenance
- No OSD Menu

APPLICATIONS

- Offshore Industries
- Land based Industries
- Marine Industries
- Industrial
- Oil & Gas Industries
- Process Industries

The AX15 explosion proof PTZ camera station is a new advanced and innovative complete all-in-one PTZ camera station with built-in analog camera, telemetry receiver, power board, pan/tilt, heater, window defroster, fan, camera housing and wiper system. With Ingress protection of IP68 (1.2 m, 45 mins), the AX15 is suitable for use in almost any environment and application worldwide.

The ruggedized AX15 explosion proof PTZ camera station is constructed from 316L stainless steel material for maximum corrosion protection. The window of the housing is made of 12mm thick tempered glass for extra durability while preserving image quality.

The built-in Sony 1/4" 550TVL Color Day/Night Camera with 36X optical zoom provides optimum field of view in any situation, ensuring high quality images even in harsh weather conditions.

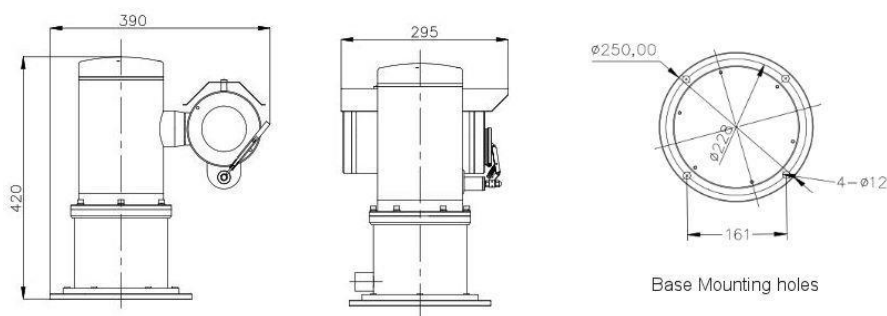
The AX15 is equipped with wiper to keep the housing window clean. In instances where dry cleaning alone is not enough to remove stubborn particles, stains or dust from the window, the wiper can be used in conjunction with Avex AXWS10 stainless steel manually pressurized 10-litre washer system to wash and wipe the window clean.

For easy and safe installation, the AX15 is supplied pre-wired with 3 meters of non-armored composite cable pigtail.

Other options available are:

- Wall mount bracket
- Explosion proof Ex d Enclosure/Junction box for cable termination use or to house fiber optics or other equipment.
- ATEX certified Flexible steel tube for protection of the non-armored composite cable pigtail from nicks and cuts in hazardous areas

DIMENSIONS



TECHNICAL DATA

COMPLIANCE

ATEX & IECEx

ATEX certificate no. Presafe 18 ATEX 13118X

IECEx certificate no. IECEx PRE 18.0056X

CE 2776

Ex II 2 G Ex db IIC T6 Gb – Suitable for Gas Zone 1 & 2

Ex II 2 D Ex tb IIIC T80°C Db – Suitable for Dust Zone 21 & 22



Ingress Protection

IP68 (1.2 m, 45 mins)

MECHANICAL

Construction	316L Stainless Steel
Finishing	Polished
Window	Tempered Glass
Window Glass Thickness	12 mm
Pan Movement	360° Continuous Pan Rotation
Vertical Tilt	+90° ~ -90° Unobstructed
Pan Speed	0.1°/S ~ 40°/s
Tilt Speed	0.1°/S ~ 30°/s
No. of Cable Entries	1
Cable Entry Size/Thread	M25/1.5
Ex d Cable Glands NOT Included	Customer needs to supply and use ATEX/IECEx certified Ex db IIC Gb or/and Ex tb IIIC Db IP68 cable gland with sealing compound, in accordance with IEC 60079- 0:2011, IEC 60079-1:2014 and IEC 60079-31:2013
Mounting	Base (Standard) or Wall (Optional)

ELECTRICAL

Input Voltage	100 ~ 240VAC 50/60Hz (Standard) / 24VAC (Optional)
Input Voltage Range	±10%
Power	75W
Pigtail	3 meters 6 core (power, video, data) Non-armored composite cable

COMMUNICATION

Communication	RS-485
Communication rate	2400 / 4800 / 9600 / 19200 bps
Protocol	Pelco D / P
Preset	256
Preset Accuracy	±0.1°
Video Output	1.0Vp-p / 75Ω

ENVIRONMENT

Air Pressure	80 ~ 110KPa
Temperature	-40°C to +60°C
Humidity	≤95%RH (+25°C)

CAMERA

Image device	Sony 1/4 " Ex-view HAD CCD
Wide dynamic range	Yes
Progressive scanning	Yes
Effective pixels	752 (H) x 582 (V)
Synchronization system	Internal / External
Video output	VBS 1.0Vp-p/75Ω
White balance	Auto / Manual / Indoor / Outdoor / Auto-tracking / One click
Scanning frequency	15.625KHz(H) 50Hz(V)
S/N Ratio	>50dB
Horizontal resolution	550TVL
Electronic shutter	1/1 ~ 1/10,000s
Focus & Iris	Auto / Manual
Minimum illumination	1.4Lux
Focal Length	F = 3.4 mm (wide) to 122.4 mm (tele) F1.6 to F4.5
	Total: 432X
Zoom Ratio	Optical: 36X
	Digital: 12X

WEIGHTS


Net weight (without bracket)	30 Kg
Net weight (bracket)	8 Kg

WARRANTY

Standard 12 months warranty. Standard Avex warranty terms and conditions apply

For extended warranty, please contact us

ORDERING INFORMATION

PART NO	DESCRIPTION
AX15	Explosion proof Stainless Steel 316L PTZ Camera Station, Sony 1/4" Day/Night Camera, 36X, 550TVL resolution, PAL, Receiver, Wiper, Sunshield, Heater, Defroster, Fan, 100~240VAC (optional 24VAC). ATEX/IECEX  II 2 G Ex db IIC T6 Gb / II 2 D Ex tb IIIC T80°C Db, IP68.

NOTE: All units are supplied with 3 meters of non-armored composite cable pigtail

OPTIONAL ACCESSORIES

WB15	Wall mount bracket
BNG-2000	2 mtrs Stainless Steel 316L Explosion proof Flexible Conduit with stainless steel connectors
AXE11	Explosion proof Ex d Enclosure/Junction box
AXWS10	10-Litre Washer system with Explosion proof solenoid