

NEXT PTZ WITH AVIGILON

INNOVATIVE EXPLOSIONPROOF PTZ CAMERA STATION

HAZARDOUS AREA

AVIGILON™

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- CLASS1/DIV1 EXPLOSIONPROOF PTZ FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- CERTIFICATION TEMPERATURE -76°F +176°F (-60°C + 80°C)
- POWERED BY AVIGILON 2.0C-H5A-B1, DAY/NIGHT FULL HD, 18X OPTICAL ZOOM
- EDGE RECORDING
- INTEGRATED WINDOW WIPER
- VERY LOW POWER CONSUMPTION
- EASY MAINTENANCE
- IP68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAX CONVERTER
- OPTIONAL BUILT-IN 120VAC POWER SUPPLY



ONVIF®



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	-30° +60°C, +75°C peak (-22°F +140°F, +167°F peak)
Construction	AISI316L Stainless Steel
Finish	Electro-polished
Mounting	4x Ø11 on 195 PCD
Cable entries	1x M25x1,5 or 3/4in (adapter) (second cable entry available on demand)
Wiper	Yes
Pan Angle	360° (continuous rotation)
Pan Speed	0 – 40°/second
Pan Torque	20Nm (limited with safety device)
Tilt Angle	180° (+/-90°)
Tilt Speed	0 – 20°/second
Tilt Torque	20Nm (limited with safety device)
Rotation angle	Electronically adjustable limit switches
Backlash	<0,1°
Max preset accuracy	0,04°
Control protocol	Pelco D (RS485)
Weight	Unit: 68lb / Package: 79lb

ELECTRICAL

Temperature Climatization	
- Camera Housing	T[°C] ON = 54 ±7°F (12 ±4°C) T[°C] OFF = 68°F ± 5°F (20 ± 3°C)
- Gear motors	Electronically controlled de-icing
Available voltages	24VAC, 120VAC (+/-10%) 24VDC available on request
Power consumption	10W min (stationary and de-icing/heater/wiper off), 130W MAX

CERTIFICATIONS

Ingress Protection	EN 60529 (IP68/IP69), NEMA 4X
Rating	Class I, Division 1, Groups A, B, C and D T5/T4 -50°C ≤ Tamb ≤ +60°C/80°C (only for Canada) Class I, Division 1, Groups B, C and D T5/T4 -25°C ≤ Tamb ≤ +60°C/80°C (for US/Canada) Class II/III, Division 1, Groups E, F and G T5/T4 -40°C ≤ Tamb ≤ +60°C/80°C (for US/Canada)
North American Standards	FM Class 3615; FM Class 3810; ANSI/UL 61010-1; ANSI/UL 60079-0; ANSI/UL 60079-1; ANSI/ISA 60079-31; ANSI/UL 50E; ANSI/IEC 60529 CSA C22.2 No. 0.4; CSA C22.2 No. 0.5; CAN/CSA C22.2 No. 61010-1; CAN/CSA-C22.2 No. 60079-0; CAN/CSA-C22.2 No. 60079-1; CAN/CSA-C22.2 No. 60079-31; CSA C22.2 No. 94.2; CAN/CSA C22.2 No. 60529
EMC	EN 55035; EN/IEC 61000-6-4; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-6-2; CISPR-32; CISPR-35
LVD	EN/IEC 62368-1
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE	2012/19/EU

VIDEO/CAMERA

Sensor	1/2.8" progressive scan CMOS
Resolution	1920x1080
Compression	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
Frame Rate	(50 Hz/60 Hz): 25 fps/30 fps
Sensitivity	0.039 lux in color mode, 0.02 lux in monochrome mode
Shutter Speed	Automatic, Manual (1/7 to 1/8196 sec)
White Balance	Automatic, Manual
Dynamic range	WDR

INNOVATIVE EXPLOSIONPROOF PTZ CAMERA STATION

Lens	18x Autofocus Optical Zoom, 4.7-84.6mm
FOV	Horizontal: 60° (Wide), 4.1° (Tele) Vertical: 34° (Wide), 2.3° (Tele)
Analytics	NEXT-GENERATION VIDEO ANALYTICS: Expanded object classifications and more accurate detection in crowded scenes so you can detect and act faster.
Event Triggers	Analytics, Tamper Detection, Objects in Area, Object Loitering, Objects Crossing Beam, Object Appears or Enters Area, Direction Violated
Edge Recording	microSD/microSDHC/microSDXC slot
Noise Reduction	3D Noise Reduction
Iris	Automatic, Open, Closed

(*) for more updated information pls visit original web site of camera manufacturer

NETWORK

Interface	100BASE-TX, RJ45 Connector, CAT5e Cabling
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication
ONVIF	ONVIF compliance version 1.02, 2.00, Profile S, Profile T, Profile G
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP, RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP, SNMP v2c, SNMP v3

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FIBER MEDIA CONVERTER

Interface	100 Base-FX/1000BASE-X
Cabling	Singlemode (9/125 μm) /two fibers/SC connector
Maximum Distance	20km
Wavelength	1310 nm

IP OVER COAXIAL CONVERTER

Interface	10/100 Base-TX over Coaxial Cable
Bandwidth	Up to 95Mbps downlink/uplink
Maximum Distance	1800m
Technology	Broadband over Power Lines (BPL)
Interference Prevention	IEEE 1901-2010 Inter-System Protocol ISP

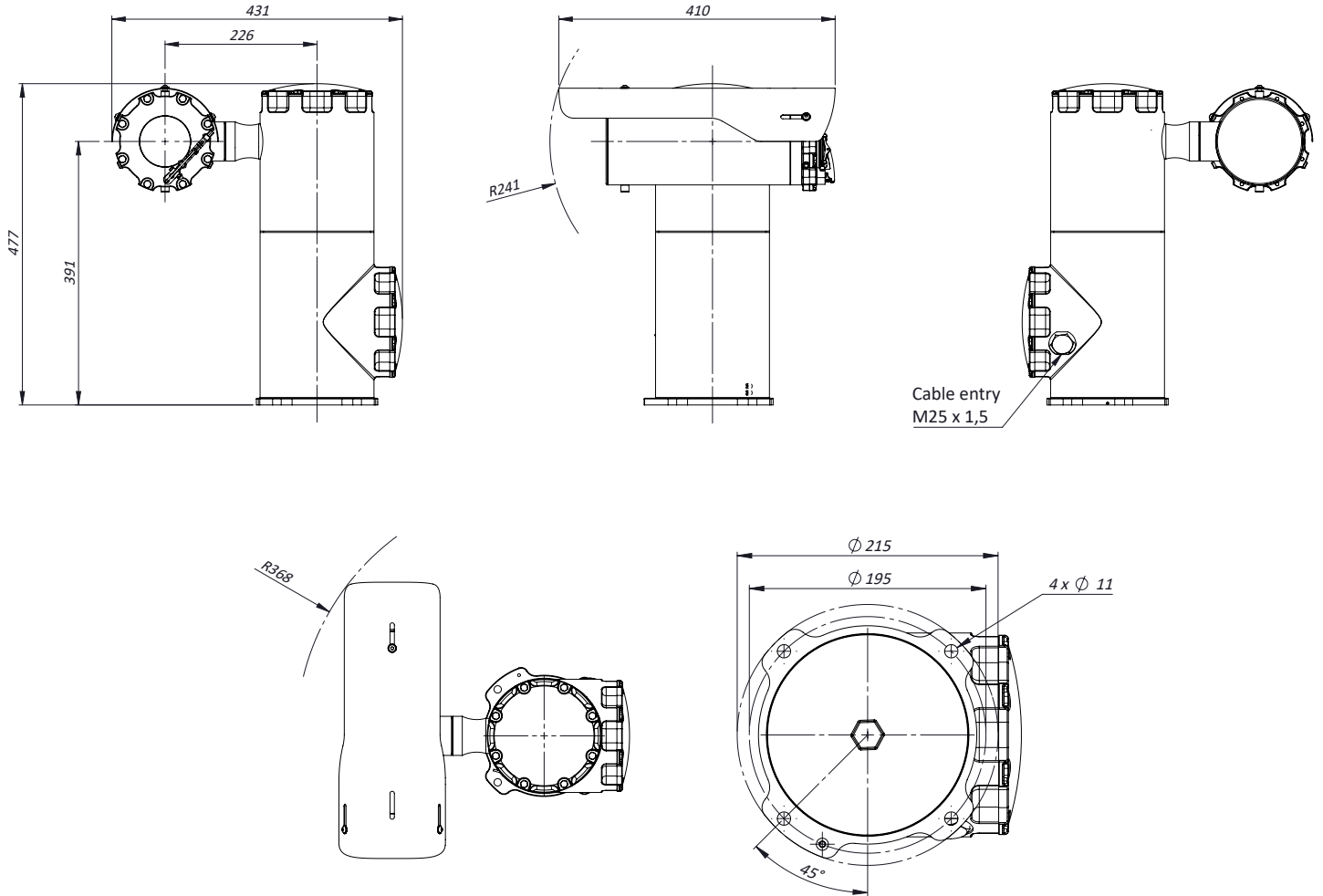
MODELS

TXPUS1TA01-IP-S	New Generation Explosionproof PTZ IP camera station, Avigilon H5 18x, 24VAC
TXPUS2TA01-IP-S	New Generation Explosionproof PTZ IP camera station, Avigilon H5 18x, 120VAC
TXPUS1TA01-SM-S	New Generation Explosionproof PTZ IP camera station, Avigilon H5 18x. SM FO Media converter, 24VAC
TXPUS2TA01-SM-S	New Generation Explosionproof PTZ IP camera station, Avigilon H5 18x. SM FO Media converter, 120VAC
TXPUS1TA01-CX-S	New Generation Explosionproof PTZ IP camera station, Avigilon H5 18x. IP over COAXIAL converter, 24VAC
TXPUS2TA01-CX-S	New Generation Explosionproof PTZ IP camera station, Avigilon H5 18x. IP over COAXIAL converter, 120VAC

ACCESSORIES

SSBK-L	Wall mounting bracket
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DIMENSIONS



*This is only an example of integration of Avigilon camera in Tecnovideo products.
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Dimensions in millimetres - Tolerances according QMS - Design and products specifications subject to change without notice - rev. 20240423