

TXPTV2-LED-5G SERIES

INNOVATIVE EXPLOSIONPROOF WIRELESS PTZ CAMERA STATION WITH IR LED

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- ATEX/IECEx/UKCA/INMETRO/ECAS EX EXPLOSIONPROOF PTZ FOR HAZARDOUS LOCATIONS
- 5G, 4G LTE WIRELESS CELLULAR
- AISI316L STAINLESS STEEL CONSTRUCTION
- CERTIFICATION TEMPERATURE -60°C +65°C
- 5MP, H.265, 40X AUTOFOCUS OPTICAL ZOOM
- ADVANCED PREINSTALLED VIDEO ANALYTICS
- EIS ELECTRONIC IMAGE STABILIZER
- EDGE RECORDING
- IR LED ILLUMINATOR
- INTEGRATED WINDOW WIPER
- VERY LOW POWER CONSUMPTION
- EASY MAINTENANCE
- IP66/67/68/69, NEMA 4X
- H2-READY
- CYBER SECURITY FEATURES
- NDAA COMPLIANT



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	-40° +60°C, +65°C peak (-40°F +140°F, +149°F peak)
Construction	AISI316L Stainless Steel
Finish	Electro-polished
Mounting	4x Ø11 on 195 PCD
Cable entries	1x M25x1,5 (second cable entry available on demand)
Wiper	Yes (camera)
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: 44,5kg / Package: 49,5kg

ELECTRICAL

Temperature Climatization	
- Camera Housing	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C
- Gear motors	Electronically controlled de-icing
Available voltages	24VAC, 120VAC, 230VAC (+/-10%) 24VDC available on request
Power consumption	•10W min (stationary and heaters/wiper/illuminator off) •110W Operating (no heaters) •155W MAX (low temperature operation)

CERTIFICATIONS

Ingress Protection	EN 60529 (IP66/IP67/IP68/IP69), NEMA 4X
Rating	II 2 G Ex db IIC T6/5 Gb -60°C ≤ Tamb ≤ +50/65°C II 2 D Ex tb IIIC T85/100°C Db -60°C ≤ Tamb ≤ +50/65°C
ATEX/UKEX Standards	EN 60079-0; EN 60079-1; EN 60079-31
IECEx Standards	IEC 60079-0; IEC 60079-1; IEC 60079-31
INMETRO Standards	ABNT NBR IEC 60079-0; ABNT NBR IEC 60079-1; ABNT NBR IEC 60079-31
ECAS Ex Standards	UAE.S IEC 60079-0, UAE.S IEC 60079-1, UAE.S IEC 60079-31
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" Sony Progressive CMOS, 5MP
Resolution	Up to 2592x1944, 5MP
Compression	H.265/H.264/MJPEG
Streaming	Up to 4 configurable streams
Frame Rate	- 2MP: 60fps (HDR off), 30fps (HDR on) - 5MP: 30fps (H.264/H.265), 15fps (MJPEG)
Sensitivity	Color: 0,04 lux, B/W: 0,002 lux
Shutter Speed	1 to 1/10000 s
Optical Filter	Automatically removable IR-cut filter
White Balance	Contrast White Balance
Dynamic range	WDR/HDR
Lens	40x Autofocus Optical Zoom, 12x Digital Zoom, 4.3-170mm, F1.6

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FOV	Horizontal: 62.6° (Wide), 1.9° (Tele) Vertical: 48.8° (Wide), 1.4° (Tele)
Analytics	Motion Detection/Tampering Object Type Classification: Human, Bicycle, Motorcycle, Car, Truck, Bus Intrusion Detection: Line Crossing, Object in Zone Object Counting: Crossline Counting, Occupancy in Zone Time in Zone Detection: Loitering, Parking Violation Directional Detection: Wrong Way Anomaly Detection: Abandoned Object, Removed Object Human analysis (optional): Face Recognition, Auto Face Enrollment, People Gathering Vehicle analysis (optional): Vehicle Model Recognition, LPR License Plate Recognition Workplace Safety (optional): PPE Detection
Image settings	Exposure, White Balance, Brightness, Sharpness, Contrast, Saturation, Hue, Day/Night Threshold, Noise Reduction, Backlight Compensation, Text Overlay, Privacy Mask
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External Output Activation
Edge Recording	Micro SD/SDHC/SDXC (card not provided)
Network Storage	Support for recording to NAS
SNR	>50dB
Noise Reduction	3D Motion Compensated Noise Reduction
Iris	P-Iris, Auto-Iris
Image Stabilization	EIS

NETWORK

Interface	Shared Spectrum (Cellular Wireless) 5G NR SA: n1,n2,n3,n5,n7,n8,n12,n13,n14,n18,n20,n25,n26, n28,n30,n38,n40,n41,n48,n66,n70,n71,n77,n78,n79 4G LTE-FDD: B1,B2,B3,B4,B5,B7,B8,B12,B13,B14,B17,B18,B19, B20,B25,B26,B28,B30,B66,B70,B71 4G LTE-TDD: B34, B38, B39, B40, B41, B42, B43, B48
Security	5G NR (3GPP Release 17) - SIM-based authentication - Encrypted radio link - SUCI Subscription Concealed Identifier - Protected against eavesdropping, tampering, fake base stations Firewall VPN (WireGuard, IPsec, OpenVPN)
ONVIF	ONVIF profile G/M/S/T compliant
Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, RTSPS, HTTP, HTTPS, FTP, NTP, DDNS, LLDP, RTMP, SRTP

LED ILLUMINATOR

LED	14x SMD LED
Wavelength	850nm
Beam patterns	15° or 34° circular beams

MODELS

TXP1TV2-15LED-5G-M	New Generation Explosionproof PTZ 5G/4G camera station 5MP 40x, IR LED Illuminator 15° beam, 24VAC
TXP2TV2-15LED-5G-M	New Generation Explosionproof PTZ 5G/4G camera station 5MP 40x, IR LED Illuminator 15° beam, 120VAC
TXP3TV2-15LED-5G-M	New Generation Explosionproof PTZ 5G/4G camera station 5MP 40x, IR LED Illuminator 15° beam, 230VAC
TXP1TV2-34LED-5G-M	New Generation Explosionproof PTZ 5G/4G camera station 5MP 40x, IR LED Illuminator 34° beam, 24VAC
TXP2TV2-34LED-5G-M	New Generation Explosionproof PTZ 5G/4G camera station 5MP 40x, IR LED Illuminator 34° beam, 120VAC
TXP3TV2-34LED-5G-M	New Generation Explosionproof PTZ 5G/4G camera station 5MP 40x, IR LED Illuminator 34° beam, 230VAC

- All the above models include sunshield and heater

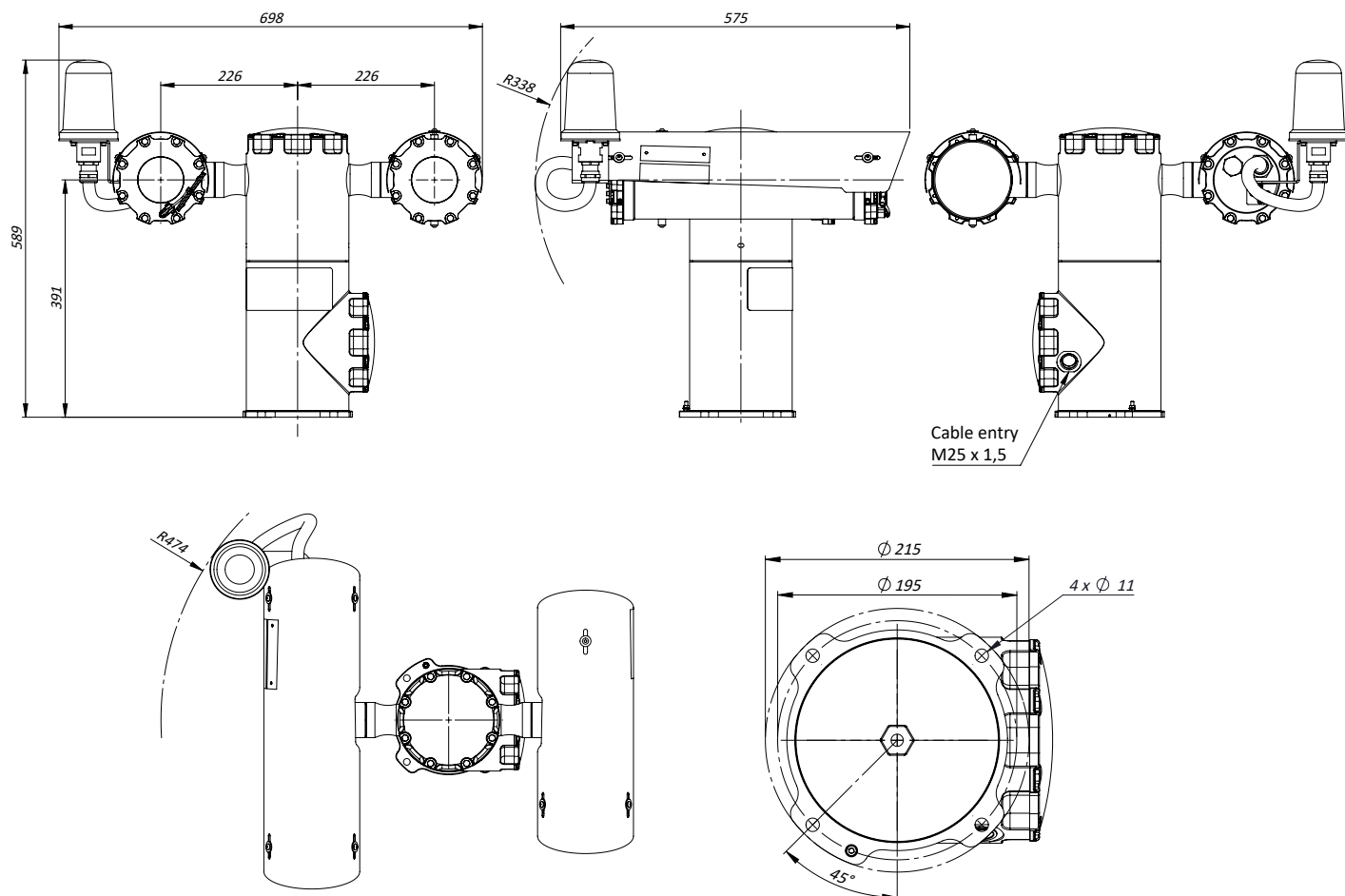
PRE-ASSEMBLED CABLE TAILS

EXACCTF3-B	3 meters armoured composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands.
EXACCTF5-B	5 meters armoured composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands.
EXACCTF10-B	10 meters armoured composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands.

ACCESSORIES

SSBK-L	Wall mounting bracket
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DIMENSIONS



Dimensions in millimetres - Tolerances according QMS - Design and products specifications subject to change without notice - rev. 20260707