TECNOVIDEO

CCTV SYSTEMS AND ACCESSORIES

NEXT

TXPTV2-SHLED SERIES

INNOVATIVE EXPLOSIONPROOF NEXT 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
- AISI316L STAINLESS STEEL CONSTRUCTION
- 5MP, H.265, 40X AUTOFOCUS OPTICAL ZOOM
- ADVANCED VIDEO ANALYTICS
- EIS ELECTRONIC IMAGE STABILIZER
- EDGE RECORDING
- IR LED ILLUMINATOR
- INTEGRATED WINDOW WIPER
- EASY MAINTENANCE
- IP66/67/68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAX CONVERTER
- OPTIONAL BUILT-IN 120VAC OR 230VAC POWER SUPPLY
- H2-READY
- CYBER SECURITY FEATURES
- NDAA COMPLIANT



MP MEGAPIXEL | 40x OPTICAL ZOOM | H.265 | SD | TECNOVIDEO IP CAMERA | BUILT-IN PSU

IR ILLUMINATOR | H2 READY | FIBER OPTIC | IP OVER COAX | IP66 IP67 | IP68 IP69 | +65°C -60°C

ONVIF® | Ex | IECEx | UK CA | INMETRO | ECAS EX

TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	-60° +60°C, +65°C peak (-76°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: 31kg / Package: 36kg

ELECTRICAL

Temperature Climatization	
- Camera Housing **- Gear motors**	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C Electronically controlled de-icing
Available voltages	24VAC, 120VAC, 230VAC (+/-10%) 24VDC available on request
Power consumption	•10W min (stationary and heaters/wiper off) • 93W Operating (no heaters) • 138W MAX (low temperature operation)

CERTIFICATIONS

Ingress Protection	EN 60529 (IP66/IP67/IP68/IP69), NEMA 4X
IK Classification	IK10 on all sides except for the camera and illuminator front glasses
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

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Dynamic range	WDR/HDR
Lens	40x Autofocus Optical Zoom, 12x Digital Zoom, 4.3-170mm, F1.6
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	100BASE-TX/1000BASE-T or 100BASE-FX/1000BASE-X (fiber)
Security	User Authentication/HTTPS/IP Filter/IEEE 802.1x/ SNMPv3
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	5x SMD LED
Wavelength	850nm

FIBER MEDIA CONVERTER

Interface	100BASE-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

TXP1TV2-SHLED-IP-S	New Generation Explosionproof PTZ IP camera station 5MP 40x, IR LED Illuminator, 24VAC
TXP2TV2-SHLED-IP-S	New Generation Explosionproof PTZ IP camera station 5MP 40x, IR LED Illuminator, 120VAC
TXP3TV2-SHLED-IP-S	New Generation Explosionproof PTZ IP camera station 5MP 40x, IR LED Illuminator, 230VAC
TXP1TV2-SHLED-SM-S	New Generation Explosionproof PTZ IP camera station 5MP 40x, IR LED Illuminator, SM FO Media Converter, 24VAC
TXP2TV2-SHLED-SM-S	New Generation Explosionproof PTZ IP camera station 5MP 40x, IR LED Illuminator, SM FO Media Converter, 120VAC
TXP3TV2-SHLED-SM-S	New Generation Explosionproof PTZ IP camera station 5MP 40x, IR LED Illuminator, SM FO Media Converter, 230VAC

- for IP over COAXIAL converter replace the suffix "SM" with "CX"
- TXP4 is for 24VDC models

PRE-ASSEMBLED CABLE TAILS

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

ACCESSORIES

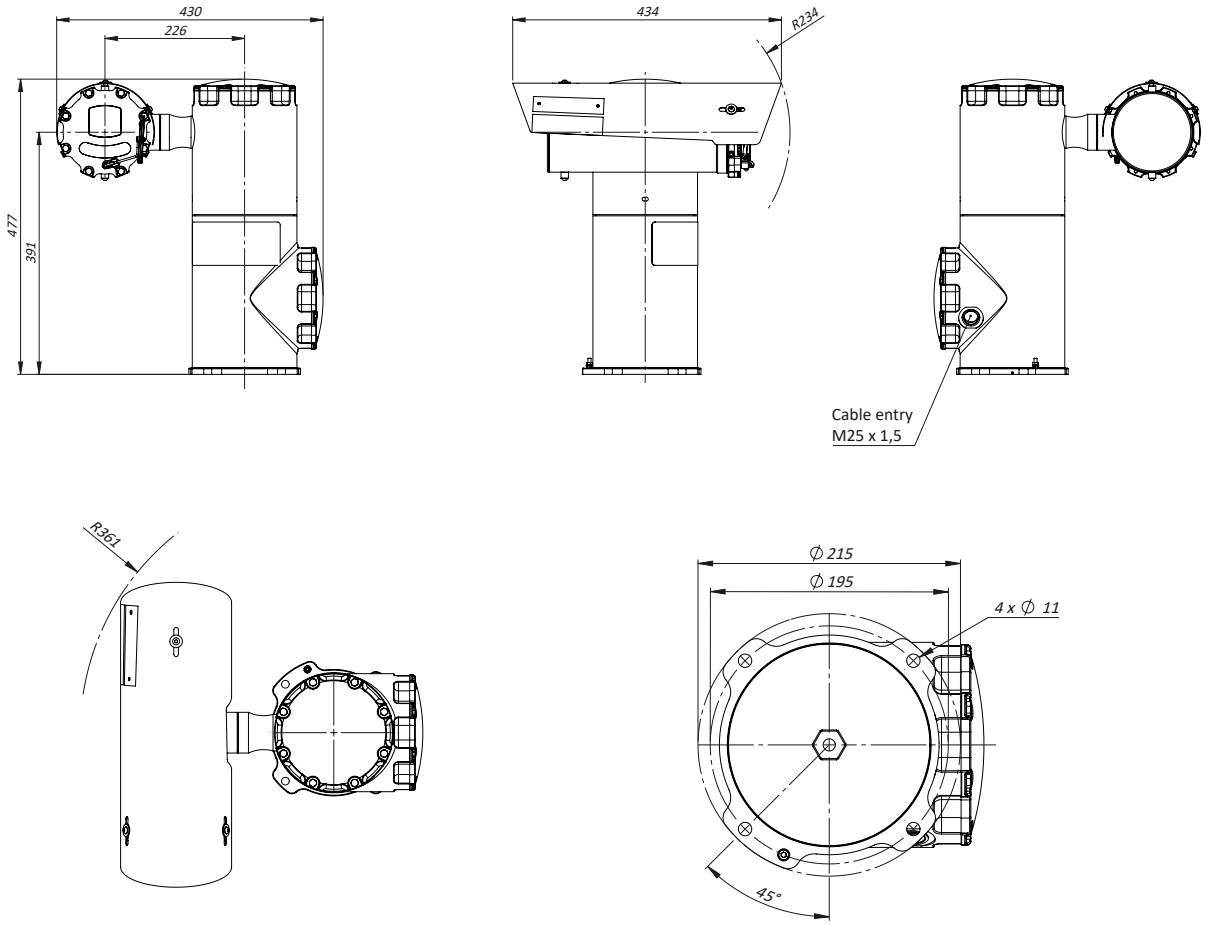
SSBK-L	Wall mounting bracket

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DIMENSIONS



Dimensions in millimetres – Tolerances according QMS – Design and products specifications subject to change without notice – rev. 20261005

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