

TECNOVIDEO

CCTV SYSTEMS AND ACCESSORIES

TXFDTV32-XX SERIES

INNOVATIVE EXPLOSIONPROOF NEXT DUAL
VISIBLE & THERMAL FIXED CAMERA STATION

NEXT

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- ATEX/IECEX/UKCA/ECAS EX EXPLOSIONPROOF CAMERA FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- CERTIFICATION TEMPERATURE -60°C +80°C
- VISIBLE: 5MP, 32X AUTOFOCUS OPTICAL ZOOM
- THERMAL: 640X512 RESOLUTION, 9HZ OR 30HZ, LWIR
- INTEGRATED WINDOW WIPER (VISIBLE)
- EDGE RECORDING
- IP66/67/68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN 120VAC OR 230VAC POWER SUPPLY
- H2-READY



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	-50°C +60°C, +75°C peak (-58°F +140°F, +167°F peak)
Construction	AISI316L Stainless Steel
Window	Dual window. Thermal: Germanium HC coated 28mm
Finish	Electro-polished
Mounting	4x M5 on 101,6 PCD 4x M6 on 90x130
Cable entries	2x M25 x1,5
Wiper	Yes (visible)
Weight	Unit: 11.5 Kg / Package: 13 Kg

ELECTRICAL

Temperature Climatization	T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C
Available voltages	24VAC, 120VAC, 230VAC (+/-10%) 24VDC or PoE available on request
Power consumption	40W MAX

CERTIFICATIONS

Ingress Protection	EN 60529 (IP66/IP67/IP68/IP69), NEMA 4X
IK rating	IK10 on all sides except windows
Rating	II 2 G Ex db IIC T6/5/4 Gb -60°C ≤ Tamb ≤ +60/75/80°C II 2 D Ex tb IIIC T85/100/135°C Db -60°C ≤ Tamb ≤ +60/75/80°C
ATEX/UKCA Standards	EN 60079-0; EN 60079-1; EN 60079-31
IECEX Standards	IEC 60079-0; IEC 60079-1; IEC 60079-31
ECAS Ex Standards	UAE.S IEC 60079-0, UAE.S IEC 60079-1, UAE.S IEC 60079-31
EMC	EN 55032; EN 55035; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-6-2; EN/IEC 61000-6-4; CISPR-32; CISPR-35
LVD	EN/IEC 62368-1
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE	2012/19/EU

VISIBLE CAMERA

Sensor	1/2.8" Sony STARVIS Progressive Scan CMOS, 5MP
Resolution	2560 × 1920, 5MP
Compression	H.265/H.264/MJPEG
Streaming	2560 × 1920@30fps
Frame Rate	5MP, 30fps
Focus Settings	Auto/Manual/Semi-Auto
Sensitivity	Color: 0.001 lux (F1.6); B&W: 0.0001 lux (F1.6)
Shutter Speed	1/3 to 1/30000s
Optical Filter	Automatically removable IR-cut filter
White Balance	Auto/Manual/Indoor/Outdoor/ATW/Sodium Lamp/Natural/Street Lamp/One Push
Dynamic range	WDR
Lens	32x Autofocus Optical Zoom, 16x Digital Zoom, 4.7-150mm
FOV	Horizontal: 57.15° (Wide), 1.96° (Tele) Vertical: 44.4° (Wide), 1.17° (Tele)
Image settings	Saturation, Brightness, Contrast, Sharpness, Gamma
Edge Recording	microSD (card not provided)
Gain	AGC
SNR	>55dB
Noise Reduction	2D/3D
Image Stabilization	EIS

THERMAL CAMERA

Sensor	VOx Microbolometer, 12μm, uncooled
Resolution	640x512 pixels
Spectral Band	LWIR 8-14μm
Compression	H.265/H.264/MJPEG
Streaming	640x512, 30fps
Frame Rate	9Hz or 30Hz
Sensitivity	≤30mK
Image settings	White hot, black hot, fusion, rainbow, etc

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INNOVATIVE EXPLOSIONPROOF NEXT DUAL VISIBLE & THERMAL FIXED CAMERA STATION

NETWORK

Interface	100BASE-TX or 100BASE-FX/1000BASE-X (fiber)
ONVIF	ONVIF compliant
Protocols	RTP, RTSP, HTTP, HTTPS, TCP, UDP

FIBER MEDIA CONVERTER

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

MODELS

TXFD1TV32-xxW-IP-M	New Generation Explosionproof FIXED IP DUAL camera station, 5MP 32x (visible), 640x512 (thermal), 24VAC
TXFD2TV32-xxW-IP-M	New Generation Explosionproof FIXED IP DUAL camera station, 5MP 32x (visible), 640x512 (thermal), 120VAC
TXFD3TV32-xxW-IP-M	New Generation Explosionproof FIXED IP DUAL camera station, 5MP 32x (visible), 640x512 (thermal), 230VAC
TXFD1TV32-xxW-SM-M	New Generation Explosionproof FIXED IP DUAL camera station, 5MP 32x (visible), 640x512 (thermal), SM FO media converter, 24VAC
TXFD2TV32-xxW-SM-M	New Generation Explosionproof FIXED IP DUAL camera station, 5MP 32x (visible), 640x512 (thermal), SM FO media converter, 120VAC
TXFD3TV32-xxW-SM-M	New Generation Explosionproof FIXED IP DUAL camera station, 5MP 32x (visible), 640x512 (thermal), SM FO media converter, 230VAC

- All the above models include sunshield and heater

- TPower source legenda: TXFDyTV32-xxW-xx-x

where y:
1 = 24VAC
2 = 120VAC
3 = 230VAC
4 = 24VDC
5 = POE 802.3at

Note: not all combinations are possible, pls contact our Sales Office for available power options

CAMERA MODEL SELECTION (TV32-XX)

	9Hz	30Hz
9mm	TV32-22	TV32-32
13mm	TV32-23	TV32-33
19mm	TV32-24	TV32-34
25mm	TV32-25	TV32-35

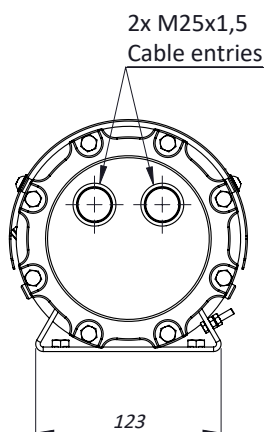
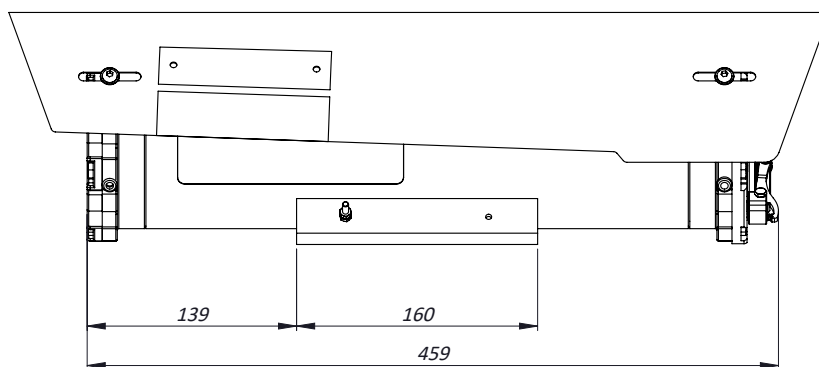
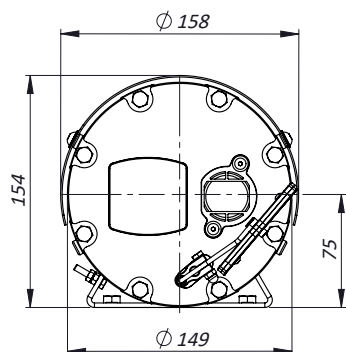
PRE-ASSEMBLED CABLE TAILS

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

ACCESSORIES

SSBK-M	Wall mounting bracket
SSPM-M	Pole mount adapter for SSBK-M
SSPTM-M	Top pole mount adapter

DIMENSIONS



MOUNTING PATTERN

