

TECNOVIDEO

CCTV SYSTEMS AND ACCESSORIES

TXFUSDTV30-XX SERIES

INNOVATIVE EXPLOSIONPROOF NEXT DUAL
VISIBLE & THERMAL FIXED CAMERA STATION

NEXT

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- CLASS1/DIV1 EXPLOSIONPROOF CAMERA HOUSING FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- VISIBLE: 2MP, 30X AUTOFOCUS OPTICAL ZOOM
- THERMAL: 640X512 RESOLUTION, 9HZ OR 25HZ, LWIR
- INTEGRATED WINDOW WIPER (VISIBLE)
- EDGE RECORDING
- IP66/67/68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN 120VAC POWER SUPPLY



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	CANADA: -50°C +60°C, +75°C peak (-58°F +140°F, +167°F peak) USA: -25°C +60°C, +75°C peak (-13°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
Weight	Unit: 25lb / Package: 27lb

ELECTRICAL

Temperature Climaticization	T[°C] ON = 54 ± 7°F (12 ± 4°C) T[°C] OFF = 68°F ± 5°F (20 ± 3°C)
Available voltages	24VAC, 120VAC (+/-10%) 24VDC or PoE available on request
Power consumption	40W MAX

CERTIFICATIONS

Ingress Protection	IP66/IP67/IP68/IP69 (EN 60529), NEMA 4X
Rating	Class I, Division 1, Groups A, B, C and D T6/T5/T4 -50°C ≤ Tamb ≤ +60°C/75°C/80°C (only for Canada) Class I, Division 1, Groups B, C and D T6/T5/T4 -25°C ≤ Tamb ≤ +60°C/75°C/80°C (only for US) Class II/III, Division 1, Groups E, F and G T6/T5/T4 -50°C ≤ Tamb ≤ +60°C/75°C/80°C (for US/Canada) Class 1 Zone 1 AEx/Ex db IIC T6/T5/T4 Gb -50°C ≤ Tamb ≤ +60°C/75°C/80°C Zone 21 AEx/Ex tb IIIC T85°C/T100°C/T135°C Db -50°C ≤ Tamb ≤ +60°C/75°C/80°C

North American Standards	FM 3600; FM 3615; FM 3616; FM 3810; ANSI/UL 50E; ANSI/UL 60079-0; ANSI/UL 60079-1; ANSI/UL 60079-31; ANSI/IEC 60529; ANSI/UL 61010-1 CSA C22.2 No. 0.4; CSA C22.2 No. 0.5; CSA C22.2 No. 25; CSA C22.2 No. 30; CSA C22.2 No. 94.2; CSA C22.2 No. 60079-0; CSA C22.2 No. 60079-1; CSA C22.2 No. 60079-31; CSA C22.2 No. 60529; CSA C22.2 No. 61010-1
EMC	EN 55032; EN 55035; EN/IEC 61000-6-2; EN/IEC 61000-6-4; EN/IEC 61000-3-2; EN/IEC 61000-3-3; 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 Exmor CMOS, 2MP
Resolution	1920x1080, 2MP
Compression	H.265/H.264/MJPEG
Streaming	1080P@30fps
Frame Rate	Channel 1: 2MP, 30fps
Focus Settings	Auto/Manual/Semi-Auto
Sensitivity	Color: 0.005 lux, F1.5; B/W: 0.0005 lux, F1.5
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	30x Autofocus Optical Zoom, 16x Digital Zoom, 4.7-141mm
FOV	Horizontal: 61.2° (Wide), 2.2° (Tele) Vertical: 36.8° (Wide), 1.2° (Tele)
Analytics	Tripwire, Intrusion, Loitering, etc.
Image settings	Saturation, Brightness, Contrast, Sharpness, Gamma
Event Triggers	Motion Detection, Tamper Detection, Scene Changing, Network, Illegal Access
Event Actions	External Output Activation

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INNOVATIVE EXPLOSIONPROOF NEXT DUAL VISIBLE & THERMAL FIXED CAMERA STATION

Edge Recording	microSD (card not provided)
Gain	AGC
SNR	>55dB
Noise Reduction	2D/3D
Image Stabilization	EIS
Defog	Electronic-defog

THERMAL CAMERA

Sensor	VOx Microbolometer, 12μm, uncooled
Resolution	640x512 pixels
Spectral Band	LWIR 8-14μm
Compression	H.265/H.264/MJPEG
Streaming	Channel 2: 704x576, 25fps
Frame Rate	9HZ or 25HZ
Sensitivity	≤50mK
Temperature Measurement	Accuracy ±3°C / ±3%, range -20~150°C or 0°C~550°C (High temperature mode)
Image settings	White heat, black heat, fusion, rainbow, etc

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

TXFUSD1TV30-xxW-IP-M	New Generation Explosionproof FIXED IP DUAL camera station, 2MP 30x (visible), 640x512 (thermal), 24VAC
TXFUSD2TV30-xxW-IP-M	New Generation Explosionproof FIXED IP DUAL camera station, 2MP 30x (visible), 640x512 (thermal), 120VAC
TXFUSD1TV30-xxW-SM-M	New Generation Explosionproof FIXED IP DUAL camera station, 2MP 30x (visible), 640x512 (thermal), SM FO media converter, 24VAC
TXFUSD2TV30-xxW-SM-M	New Generation Explosionproof FIXED IP DUAL camera station, 2MP 30x (visible), 640x512 (thermal), SM FO media converter, 120VAC

- All the above models include sunshield and heater

- To order the required camera configuration, please replace "TV30-xx" with the number indicated in the table below

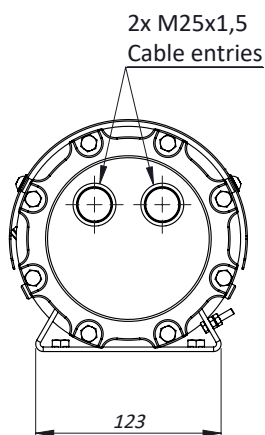
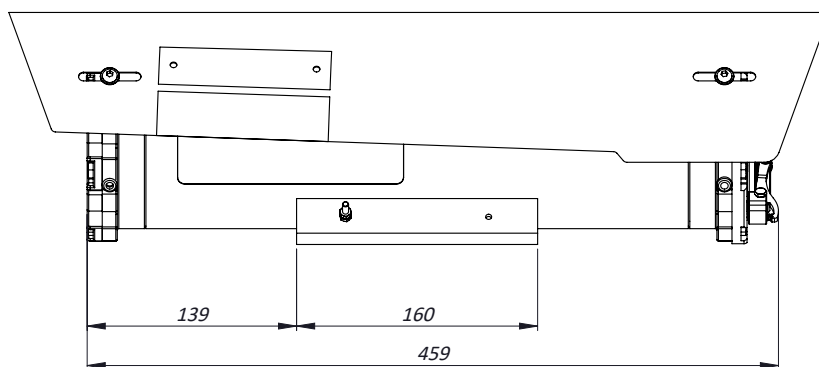
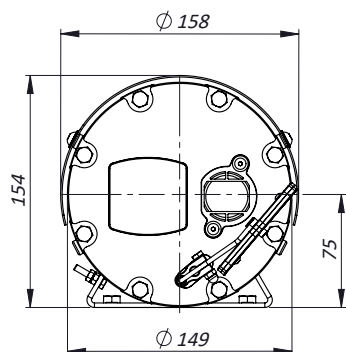
CAMERA MODEL SELECTION (TV30-XX)

	9Hz	25Hz
9mm	TV30-22	TV30-32
13mm	TV30-23	TV30-33
19mm	TV30-24	TV30-34
25mm	TV30-25	TV30-35

ACCESSORIES

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

DIMENSIONS



MOUNTING PATTERN

