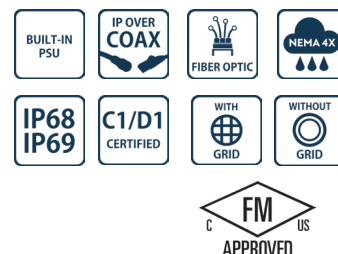


## TXPUSIR SERIES

INNOVATIVE EXPLOSIONPROOF NEXT THERMAL PTZ CAMERA HOUSING

HAZARDOUS AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- CLASS1/DIV1 EXPLOSIONPROOF PTZ FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- GERMANIUM OR SAPPHIRE WINDOWS
- SUITABLE FOR MWIR OR LWIR THERMAL CAMERAS
- VERY LOW POWER CONSUMPTION
- EASY MAINTENANCE
- GRIDLESS OPTION (PATENTED)
- IP68/69, NEMA 4X
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAXIAL CONVERTER
- OPTIONAL BUILT-IN 120VAC POWER SUPPLY



## TECHNICAL SPECIFICATIONS

### GENERAL & MECHANICAL

<b>Dimensions</b>	See dimensions drawings
<b>Operating Temperature</b>	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)
<b>Construction</b>	AISI316L Stainless Steel
<b>Finish</b>	Electro-polished
<b>Window</b>	Germanium HC coated 50mm or Sapphire 50mm
<b>Mounting</b>	4x Ø11 on 195 PCD
<b>Cable entries</b>	1x M25x1,5 or 3/4in (adapter) (second cable entry available on demand)
<b>Wiper</b>	No
<b>Pan Angle</b>	360° (continuous rotation)
<b>Pan Speed</b>	0 – 40°/second
<b>Pan Torque</b>	20Nm (limited with safety device)
<b>Tilt Angle</b>	180° (+/-90°)
<b>Tilt Speed</b>	0 – 20°/second
<b>Tilt Torque</b>	20Nm (limited with safety device)
<b>Rotation angle</b>	Electronically adjustable limit switches
<b>Backlash</b>	<0,1°
<b>Max preset accuracy</b>	0,04°
<b>Control protocol</b>	Pelco D (RS485)
<b>Weight</b>	Unit: 68lb / Package: 79lb

### ELECTRICAL

<b>Temperature Climatization</b>	
- 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
<b>Available voltages</b>	24VAC, 120VAC (+/-10%) 24VDC available on request
<b>Power consumption</b>	•10W min (stationary and heaters/wiper off) • 85W Operating (no heaters) •130W MAX (low temperature operation)

### CERTIFICATIONS

<b>Ingress Protection</b>	IP66/IP67/IP68/IP69 (EN 60529), NEMA 4X
<b>IK Classification</b>	IK10 on all sides except for the front glass, which is rated IK08
<b>Rating</b>	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
<b>Vibrations and Shock</b>	EN/IEC 60068-2-6; EN/IEC 60068-2-27; DNV-CG-0339
<b>North American Standards</b>	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; 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
<b>EMC</b>	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; DNV-CG-0339
<b>LVD</b>	EN/IEC 62368-1
<b>FCC</b>	FCC part 15B
<b>RoHS</b>	2011/65/EU + 2015/863/EU (RoHS 3)
<b>WEEE</b>	2012/19/EU

### FIBER MEDIA CONVERTER

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

## INNOVATIVE EXPLOSIONPROOF NEXT THERMAL PTZ CAMERA HOUSING

### IP OVER COAXIAL CONVERTER

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

### MODELS

<b>TXPUS1IR-IP-S</b>	New Generation Explosionproof Thermal PTZ camera housing, 24VAC
<b>TXPUS2IR-IP-S</b>	New Generation Explosionproof Thermal PTZ camera housing, 120VAC
<b>TXPUS1IR-SM-S</b>	New Generation Explosionproof Thermal PTZ camera housing, SM FO Media Converter, 24VAC
<b>TXPUS2IR-SM-S</b>	New Generation Explosionproof Thermal PTZ camera housing, SM FO Media Converter, 120VAC

-for IP over COAXIAL converter replace the suffix "SM" with "CX"

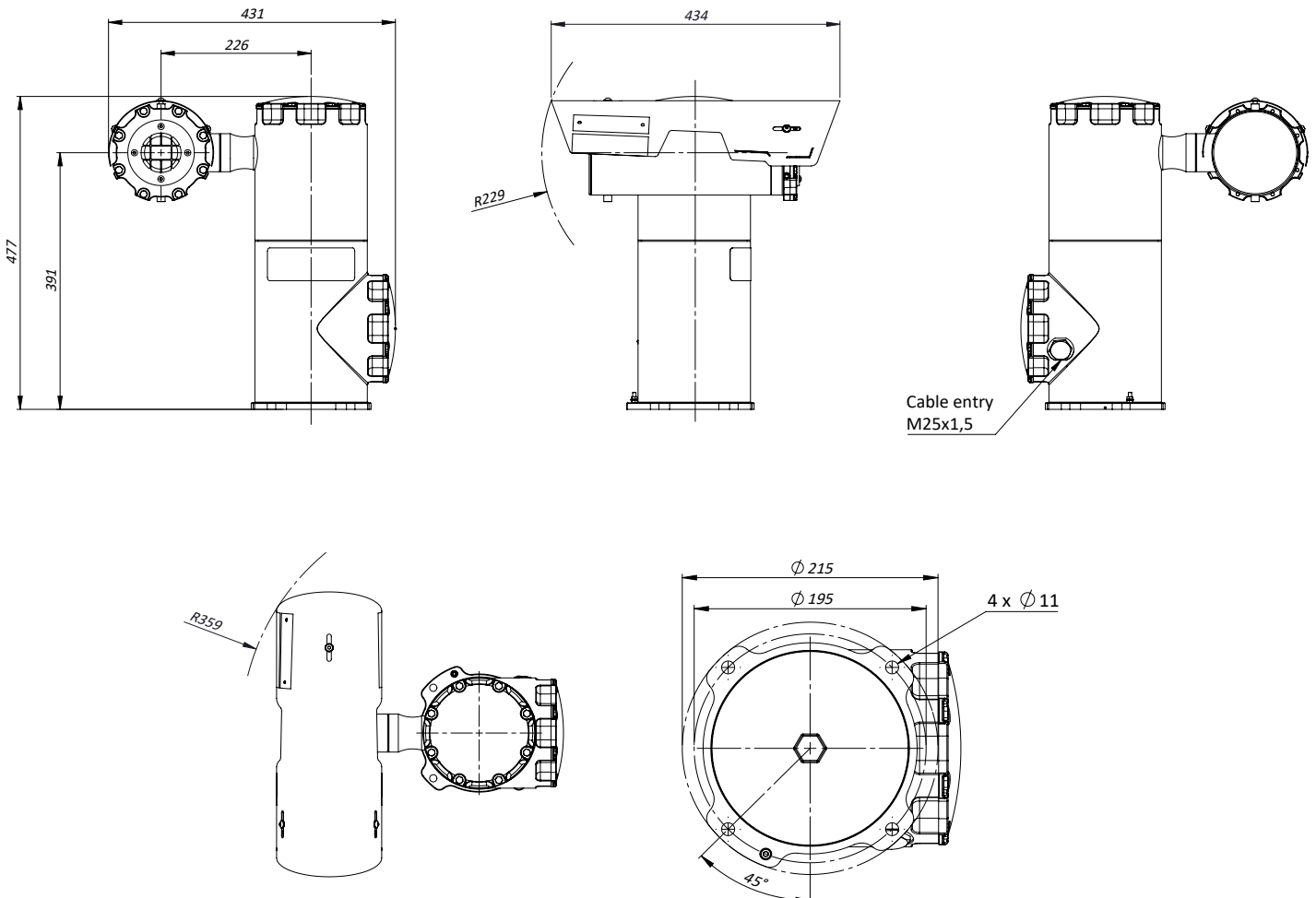
OPTIONS: add xxx at the end:

- if not specified it's Germanium 50mm with grid
- gridless Germanium 50mm option = 001
- gridless Sapphire 50mm option = 003
- gridless window for Narcissus effect, Sapphire = 006

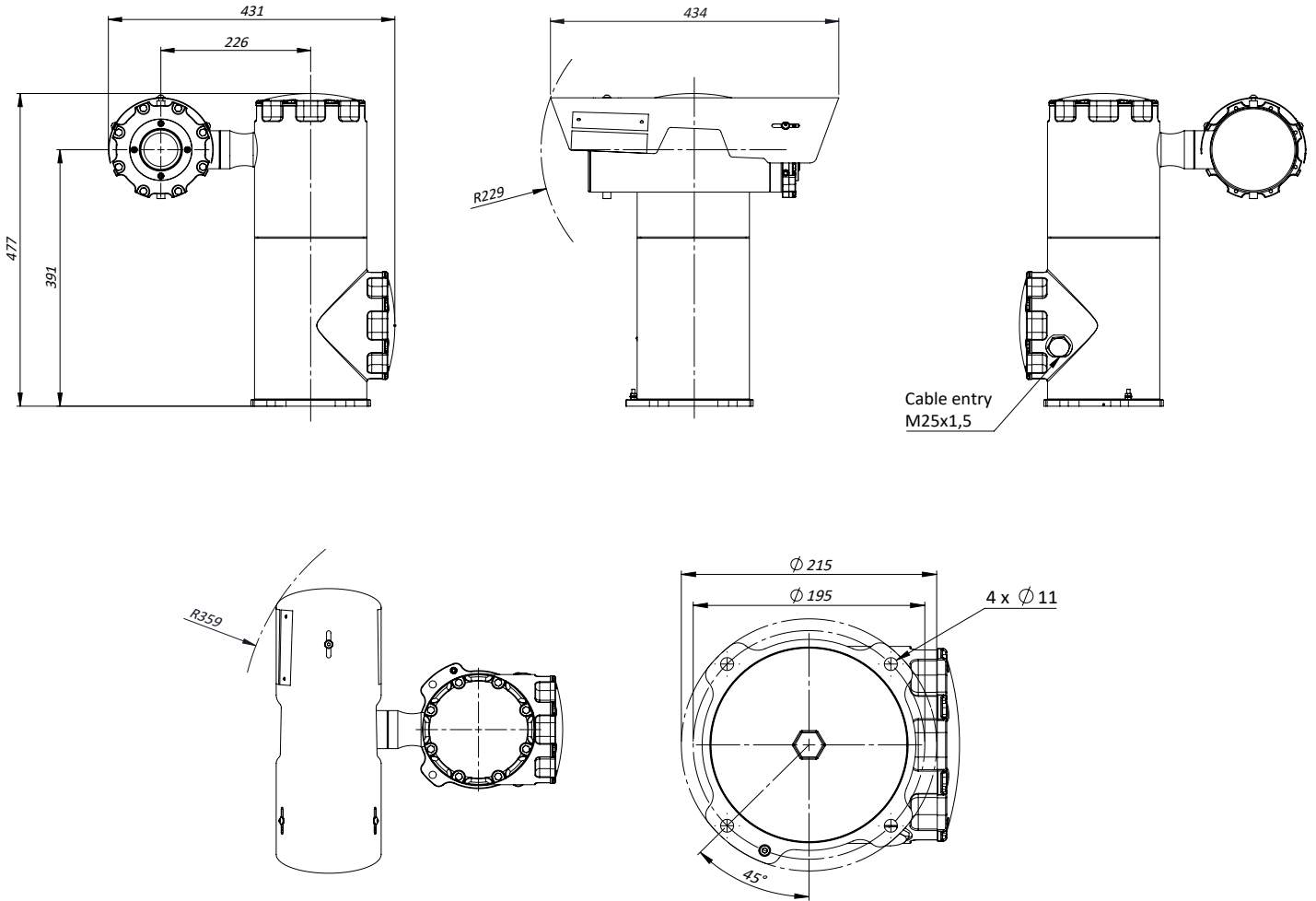
### ACCESSORIES

<b>SSBK-L</b>	Wall mounting bracket
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## DIMENSIONS



## DIMENSIONS (GRIDLESS VERSION)



### MAX INTERNAL USABLE AREA

Model	Max internal dimensions [mm]	Max usable internal diameter [mm]
TXP-IR-5	83x83x180	96