VIDEO SURVEILLANCE

In case of production facilities, video surveillance means, in the first place, ensuring protection, security and control of automated processes. Eridan JSC develops and manufactures components for video surveillance systems, which among other things prevent ignition or detonation of the environment surrounding the video camera which may result from a failure in the electric networks of the camera.

They may be installed in open spaces and enclosed areas of different buildings and structures, as well as on river and sea-going vessels and production facilities, where explosive mixtures of combustible gases or vapors may be present.

They may be used at chemical, oil and gas production, oil and gas processing and other plants with explosion hazardous areas.

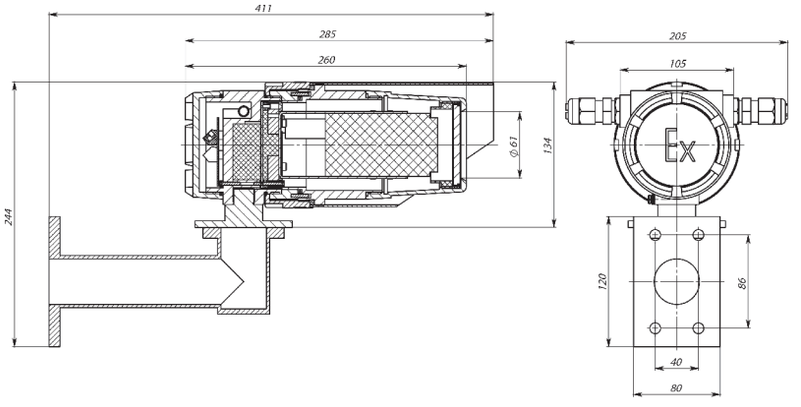
TVK-07

Thermohousings

The TVK-07 thermohousings are designed for operation as part of video surveillance security, safety and technological process control systems with simultaneous prevention of ignition or detonation of the media surrounding the camera due to faults in the camera's electric circuits.
They can be used in underground (mining) development and extraction of coal, mineral salts and other mineral deposits.
They are used at chemical, oil and gas production, oil and gas processing industry enterprises and in explosive areas of other production facilities.

MODIFICATIONS:

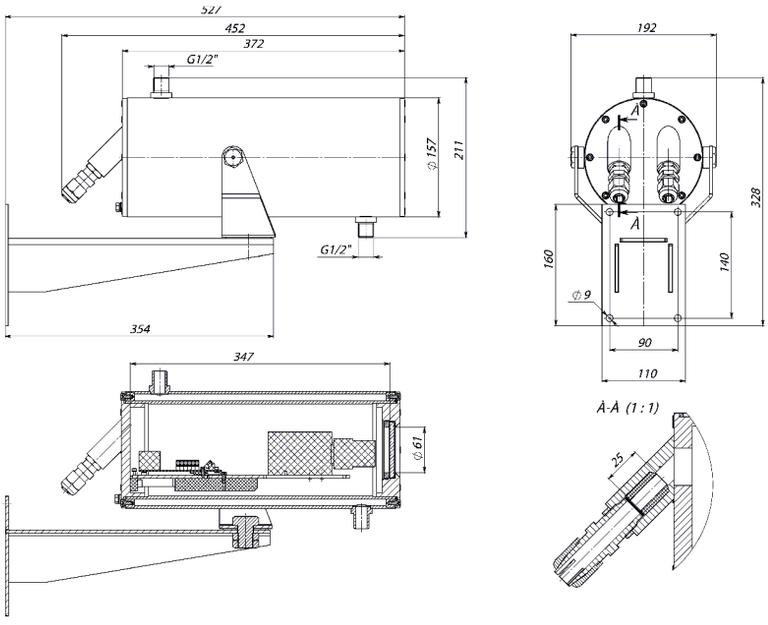
TVK-07-A
Explosion-proof thermohousing
in an aluminum alloy body



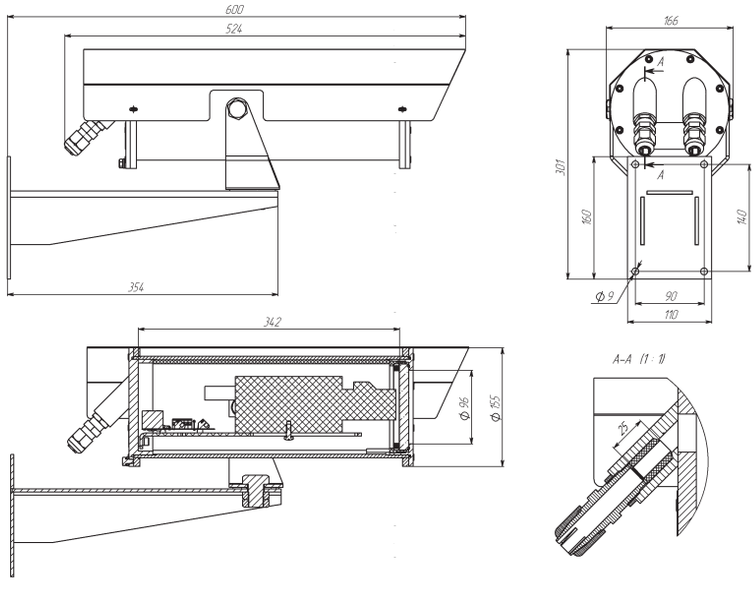
1Ex db IIC T6 Gb X	PB Ex db I Mb X	IP66/ IP67	-70°+50°C		Aluminum	Steel	Stainless steel		

MODIFICATIONS:

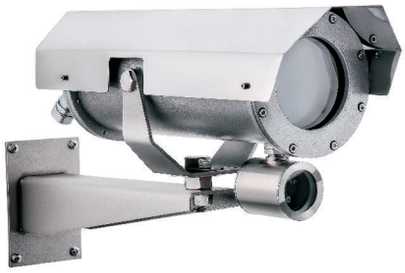
TVK-07-V
Explosion-proof thermohousing
with cooling capacity
in a stainless steel body

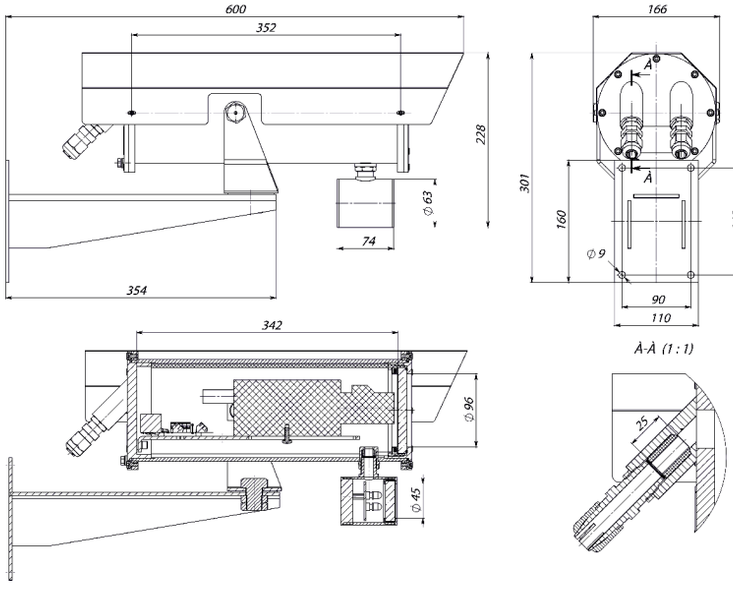


TVK-07-N/S
Explosion-proof thermohousing
in a stainless steel/
low carbon steel body



TVK-S/N with IR lighting
Explosion-proof thermohousing
in a stainless steel/
low carbon steel body with IR lighting

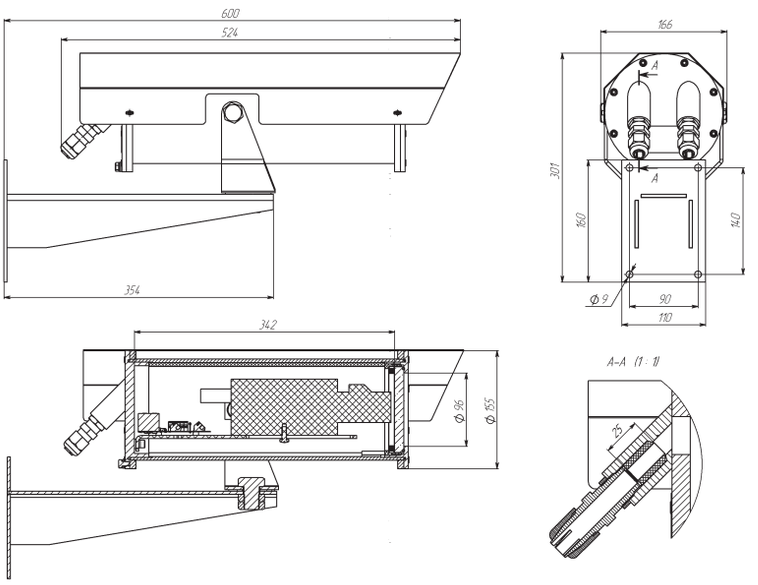




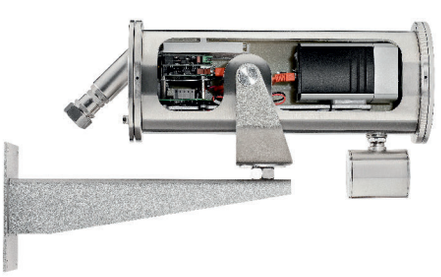
MODIFICATIONS:

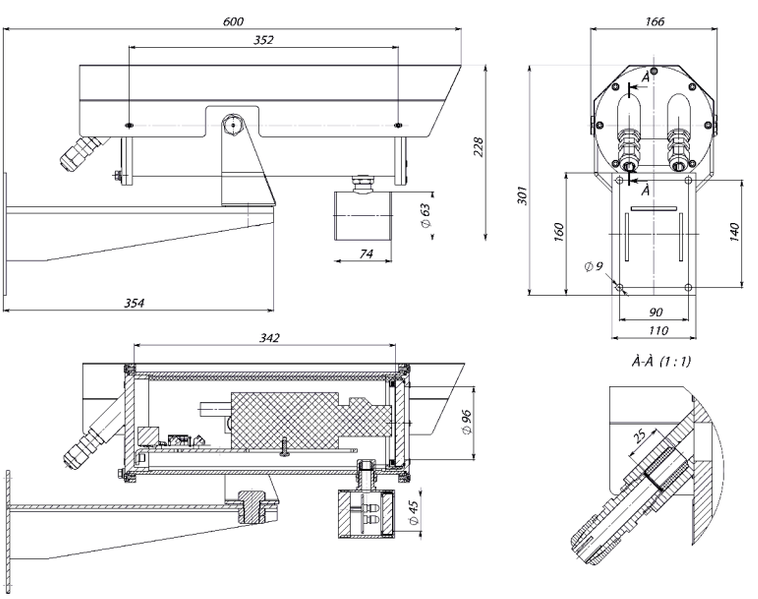
TVK-07-N/S-ARKTIKA
Explosion-proof thermohousing
in a stainless steel/
low carbon steel body
for extremely low temperatures

TVK-07-S/N-PoE-ARKTIKA
Explosion-proof thermohousing
in a stainless steel/ low carbon steel
body with a thermoregulator,
power supply 4PPoE IEEE 802.3bt,
and integrated lightning protector
for extremely low temperatures

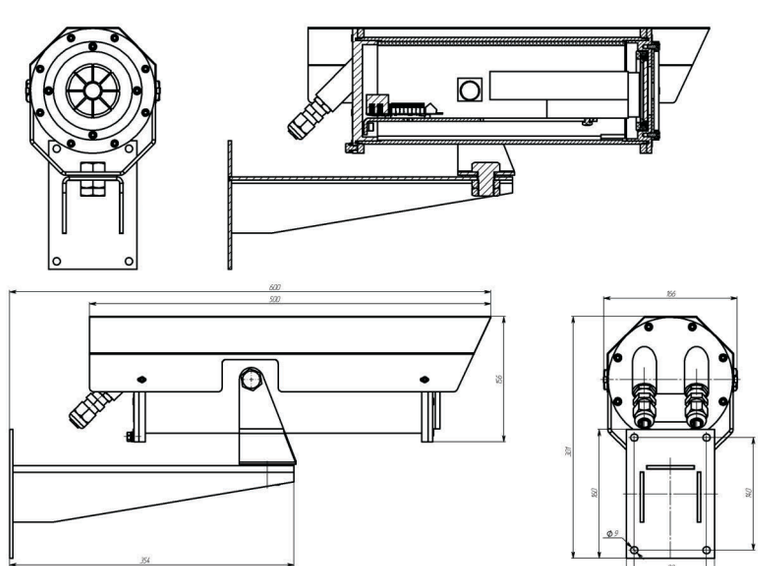


TVK-07-N/S/OPTIC-IS
Explosion-proof thermohousing
in a stainless steel/ low carbon steel
body with integrated equipment
for data transfer via optic cable
of up to 20 km



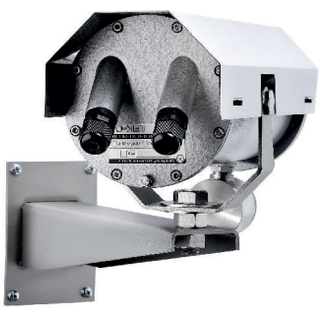


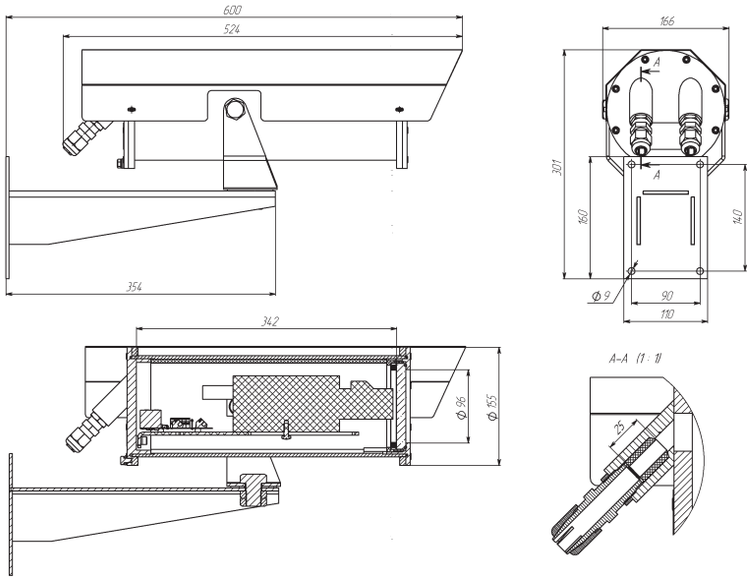
TVK-07-N/S-VIZOR
Explosion-proof thermohousing
in a stainless steel/ low carbon steel body
for installation of thermal imaging cameras



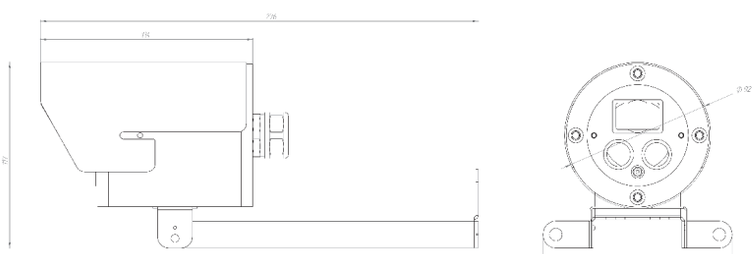
MODIFICATIONS:

TVK-07-O
General purpose industrial version thermohousing in the following modifications:
- TVK-07-O-V
- TVK-07-O-N/S
- TVK-07-O-S/N with IR lighting
- TVK-07-O-N/S-ARKTIKA
- TVK-07-O-N/S-OPTIC-IS
- TVK-07-O-N/S-VIZOR

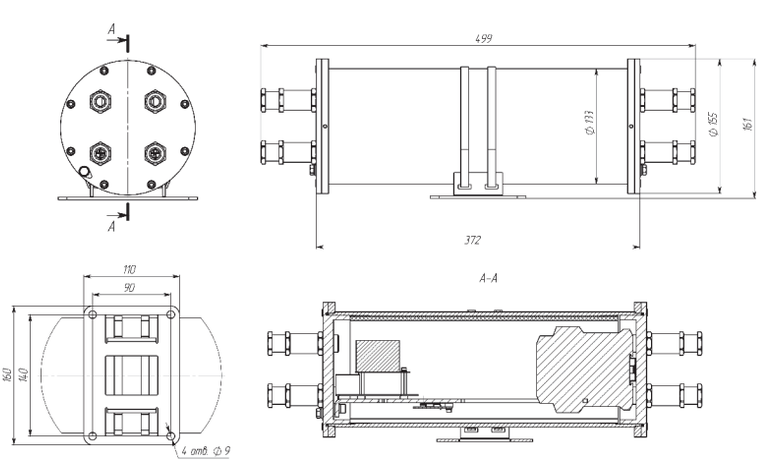




TVK-07-A/N-Mini
Compact explosion-proof thermohousing in an aluminum alloy/ stainless steel body



TVK-07-N/S-I2
Explosion-proof thermohousing in a stainless steel/ low carbon steel body without sight glass for installation of video equipment



TECHNICAL DATA:

Modification	TVK-07-A Explosion-proof thermohousing in an aluminum alloy body	TVK-07-V Explosion-proof thermohousing with cooling capacity in a stainless steel body	TVK-07-N/S Explosion-proof thermohousing in a stainless steel/ low carbon steel body
			
Enclosure explosion proofness marking	1Ex db e IIC T6 Gb X 1Ex db IIC T6 Gb X	- TVK-07-V: Ex tb IIIC T130/ T200°C Db X, 1 Ex db IIC T2/T4 Gb X PB Ex db I Mb X - TVK-07-V OPTIC-IS: Ex tb [op is] IIIC T130/ T200°C Db X 1Ex db [op is] IIC T2/T4 Gb X PB Ex db [op is] I Mb X	Ex tb IIIC T80°C Db X 1Ex db IIC T6 Gb X PB Ex db I Mb X
Ingress protection rating	IP66/IP67	IP66/IP67	IP66/IP67
Operating temperature range, °C	Nf1: -60...50 NF4: 1...50	I1: 1...130 I2: 1...200	Nf1: -60...50 NF4: 1...50
Supply voltage, V	24 VDC / 230 VAC There is a voltage converter that provides 12V power feed for video-equipment		
Maximum current consumption, max., A (including video camera current consumption) - NF1	- 24 VDC – 2,2, 230 VAC – 0,3		- 24 VDC - 3,3, 24 VAC - 3,3, 230 VAC- 0,4
- NF4	- 24 VDC – 0,5, 230 VAC – 0,05	24 VDC – 1,0, 24 VAC – 0,4, 230 VAC – 0,1	- 24 VDC - 1,0, 24 VAC - 0,4, 230 VAC - 0,1
Furnishing with a video camera	Yes, installation at the manufacturing factory	Upon request	Upon request
Power consumption of video equipment inside the housing, max., W	5	6	6
Cold start mode	Yes (NF1)		Yes (NF1)
Warming up	Yes, independent warming of the glass and the inner space	Yes, independent warming of the glass and the inner space	Yes, independent warming of the glass and the inner space
Protection from overheating	Yes	Yes	Yes
Cooling		Yes, by means of feeding and removal of water	
IR lighting			
Media converter (possibility to transfer signal via optic fiber)		Yes (optional, OPTIC-IS)	
Sight glass cleaning system		Protective pneumatic lens hood (optional)	-Protective pneumatic lens hood (optional) - Duplex-07e - glass cleaning system (optional)
Overall dimensions (without bracket), max., mm - body	- 370*210*150	- 460*195*215	- 525*170*160
- effective internal volume diameter*length)	- Ø78*220	- Ø123*240	- Ø113*240 Upon request, the body length can be of the following frame sizes: R1 - 400; R2 - 300; R3 - 200
Enclosure material	Aluminum alloy AK 12 ПЧ	Stainless steel	Stainless steel/ Powder-coated low-carbon steel
Number of cable glands in the box body	2	2; 2 unions for feeding and removal of cooling water	2
Cable entry diameter, mm	6...12 (into equipment casing) Up to 22 (along the external insulation)	5...12 (into equipment casing) Up to 22 (along the external insulation)	5...12 (into equipment casing) Up to 22 (along the external insulation)
Installation mode	Bracket (included in the supply package), fastening adapters for post/ angular mounting (optional)	Bracket (included in the supply package), fastening adapters for post/ angular mounting (optional)	Bracket (included in the supply package), fastening adapters for post/ angular mounting (optional), safety appliance (optional)
Available packages	Video equipment (optional), visor (optional), input devices, fastening adapters for post/ angular mounting (optional)	Video equipment (optional), protective pneumatic lens hood (optional), wires (optional), input devices, fastening adapters for post/ angular mounting (optional), media converter (optional)	Video equipment (optional), wires (optional), visor (optional), protective pneumatic lens hood (optional), input devices, fastening adapters for post/ angular mounting (optional), safety appliance (optional)
Max. weight, kg	6,0	17,0	12,5
Lifetime, min., years	10	10	10
Warranty period, years	5	5	5

NEW

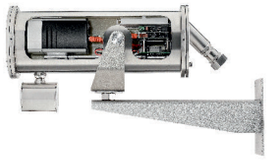
TECHNICAL DATA:

TVK-07-S/N with IR lighting Explosion-proof thermohousing in a stainless steel/ low carbon steel body with IR lighting	TVK-07-N/S-ARKTIKA Explosion-proof thermohousing in a stainless steel/ low carbon steel body for extremely low temperatures	TVK-07-S/N-RoE-ARKTIKA Explosion-proof thermohousing in a stainless steel/ low carbon steel body with athermoregulator, power supply 4PPoE IEEE 802.3bt, and integrated lightning protector for extremely low temperatures NEW
		
Ex tb IIIC T80°C Db X 1Ex db IIC T6 Gb X PB Ex db I Mb X	1Ex db e IIC T6 Gb X	Ex tb IIIC T80°C Db X 1Ex db IIC T6 Gb X PB Ex db I Mb X
IP66/IP67	IP66/IP67	IP66/IP67
Nf1: -60...50 NF4: 1...50	Nf1: -70...50	Nf1: -70...50
24 VDC / 24 VAC / 230 VAC There is a voltage converter that provides 12V power feed for video-equipment	24 VDC / 24 VAC / 230 VAC There is a voltage converter that provides 12V power feed for video-equipment	IEEE 802.3bt, Type 4; 52...57VDC
- 24 VDC - 3.3, 24 VAC - 3.3, 230 VAC - 0.4 - 24 VDC - 1.0, 24 VAC - 0.4, 230 VAC - 0.1 Including IR lighting current consumption - 0.25	- 24 VDC - 3.3, 24 VAC - 3.3, 230 VAC - 0.4 - 24 VDC - 1.0, 24 VAC - 0.4, 230 VAC - 0.1	1,92
Upon request	Upon request	Upon request
6	6	
Yes (NF1)	Yes (NF1)	Yes (NF1)
Yes, independent warming of the glass and the inner space	Yes, independent warming of the glass and the inner space	Yes, independent warming of the glass and the inner space
Yes	Yes	Yes
Yes: -Automatic ON/OFF under illumination of 18±5 lx -Current consumption 0.25 A -Emission wavelength 850 um -Beam angle 15/30/90/120° Lighting distance 100/80/40/25 m	Yes (optional)	Yes (optional)
- Protective pneumatic lens hood (optional) - Duplex-07e - glass cleaning system (optional)	- Protective pneumatic lens hood (optional) - Duplex-07e - glass cleaning system (optional)	- Protective pneumatic lens hood (optional) - Duplex-07e - glass cleaning system (optional)
- 525*170*230 - Ø113*240 Upon request, the body length can be of the following frame sizes: R1 - 400; R2 - 300; R3 - 200	- 525*170*230/160 (with IR/without IR) - Ø113*240 Upon request, the body length can be of the following frame sizes: R1 - 400; R2 - 300; R3 - 200	- 525*170*230/160 (with IR/without IR) - Ø113*195
Stainless steel/ Powder-coated low-carbon steel	Stainless steel/ Powder-coated low-carbon steel	Stainless steel/ Powder-coated low-carbon steel
2	2	2
5...12 (into equipment casing) Up to 22 (along the external insulation)	5...12 (into equipment casing) Up to 22 (along the external insulation)	5...12 (into equipment casing) Up to 22 (along the external insulation)
Bracket (included in the supply package), fastening adapters for post/ angular mounting (optional), safety appliance (optional)	Bracket (included in the supply package), fastening adapters for post/ angular mounting (optional), safety appliance (optional)	Bracket (included in the supply package), fastening adapters for post/ angular mounting (optional), safety appliance (optional)
Video equipment (optional), wires (optional), visor (optional), protective pneumatic lens hood (optional), input devices, fastening adapters for post/ angular mounting (optional), safety appliance (optional)	Video equipment (optional), wires (optional), visor (optional), protective pneumatic lens hood (optional), input devices, fastening adapters for post/ angular mounting (optional), safety appliance (optional)	Video equipment (optional), wires (optional), visor (optional), protective pneumatic lens hood (optional), input devices, fastening adapters for post/ angular mounting (optional), safety appliance (optional)
12,5	12,5	12,5
10	10	10
5	5	5

VIDEO SURVEILLANCE

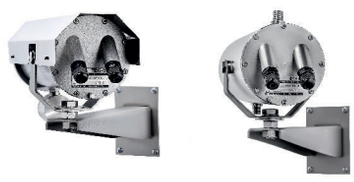
NEW

TECHNICAL DATA:

Modification	TVK-07-N/S-OPTIC-IS Explosion-proof thermohousing in a stainless steel/ low carbon steel body with integrated equipment for data transfer via optic cable of up to 20 km NEW	TVK-07-N/S-VIZOR Explosion-proof thermohousing in a stainless steel/ low carbon steel body for installation of thermal imaging cameras
		
Enclosure explosion proofness marking	Ex tb [op is] IIIC T80°C Db X 1Ex db [op is] IIC T6 Gb X 1Ex db e [op is] IIC T6 Gb X PB Ex db [op is] I Mb X	Ex tb IIIC T80°C Db X 1Ex db IIC T6 Gb X PB Ex db I Mb X
Ingress protection rating	IP66/IP67	IP66/IP67
Operating temperature range, °C	Nf1: -60 (-70)...50 NF4: 1...50	Nf1: -60 (-70)...50 NF4: 1...50
Supply voltage, V	24 VDC / 24 VAC / 230 VAC There is a voltage converter that provides 12V power feed for video-equipment	24 VDC / 24 VAC / 230 VAC There is a voltage converter that provides 12V power feed for video-equipment
Maximum current consumption, max., A (including video camera current consumption) - NF1 - NF4	 - 24 VDC – 3,3, 24 VAC – 3,3, 230 VAC – 0,4 - 24 VDC – 1,0, 24 VAC – 0,4, 230 VAC – 0,1	 - 24 VDC – 3,3, 24 VAC – 3,3, 230 VAC – 0,4 - 24 VDC – 1,0, 24 VAC – 0,4, 230 VAC – 0,1
Furnishing with a video camera	Upon request	Upon request
Power consumption of video equipment inside the housing, max., W	6	6
Cold start mode	Yes (NF1)	Yes (NF1)
Warming up	Yes, independent warming of the glass and the inner space	Yes, independent warming of the glass and the inner space
Protection from overheating	Yes	Yes
Cooling		
IR lighting	Yes (optional)	Yes (optional)
Media converter (possibility to transfer signal via optic fiber)	- Yes: signal transmission range up to 20 km, 10.8-13.2 VDC, 0.12A, laser emission power Po-15 mW, operating wavelength 1310/1550 nm, data transfer rate 10/100 Mbit/sec, optic cable type - monofilament single mode 9/125 m	
Sight glass cleaning system	- Protective pneumatic lens hood (optional) - Duplex-07e - glass cleaning system (optional)	- Protective pneumatic lens hood (optional) - Duplex-07e - glass cleaning system (optional)
Overall dimensions (without bracket), max., mm - body - effective internal volume (diameter*length)	- 525*170*230/160 (with IR/without IR) - Ø113*240 Upon request, the body length can be of the following frame sizes: R1 – 400 R2 – 300 R3 – 200	- 525*170*230/160 (with IR/without IR) - Ø113*240 Upon request, the body length can be of the following frame sizes: R1 – 400 R2 – 300 R3 – 200
Enclosure material	Stainless steel / Powder-coated low-carbon steel	Stainless steel / Powder-coated low-carbon steel Sight glass: material Ge (GMO 5-40 Ohm x cm)
Number of cable glands in the box body	2	2
Cable entry diameter, mm	5...12 (into equipment casing) Up to 22 (along the external insulation)	5...12 (into equipment casing) Up to 22 (along the external insulation)
Installation mode	Bracket (included in the supply package), fastening adapters for post/angular mounting (optional), safety appliance (optional)	Bracket (included in the supply package), fastening adapters for post/angular mounting (optional), safety appliance (optional)
Available packages	Video equipment (optional), wires (optional), visor (optional), protective pneumatic lens hood (optional), input devices, fastening adapters for post/ angular mounting (optional), safety appliance (optional)	Video equipment (optional), wires (optional), visor (optional), protective pneumatic lens hood (optional), input devices, fastening adapters for post/angular mounting (optional), safety appliance (optional)
Max. weight, kg	12,5	12,5
Lifetime, min., years	10	10
Warranty period, years	5	5

NEW

TECHNICAL DATA:

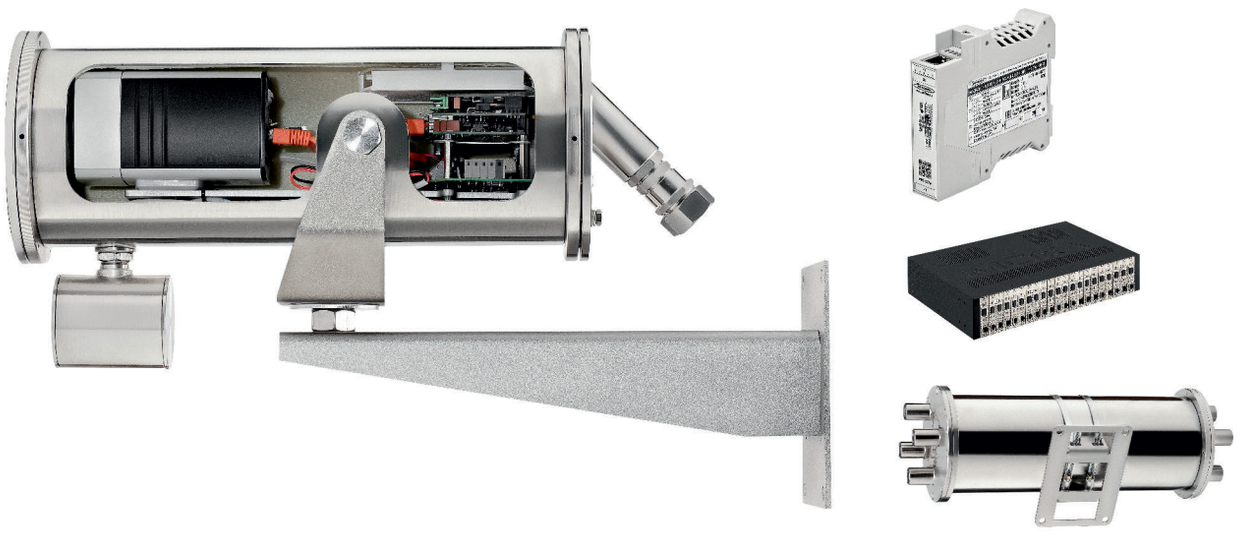
TVK-07-O General purpose industrial version thermohousing: - TVK-07-O-V - TVK-07-O-N/S - TVK-07-O-S/N with IR lighting -TVK-07-O-N/S-ARKTIKA - TVK-07-O-N/S-OPTIC-IS - TVK-07-O-N/S-VIZOR	TVK-07-A/N-Mini Compact explosion-proof thermohousing in an aluminum alloy/ stainless steel body NEW	TVK-07-N/S-I2 Explosion-proof thermohousing in a stainless steel/ low carbon steel body without sight glass for installation of video equipment
		
	Ex tb IIIC T80°C Db X 1Ex db IIC T6 Gb X PB Ex db I Mb X	1Ex db op pr IIC T6 Gb X 1Ex db e op pr IIC T6 Gb X
IP66/IP67	IP66/IP67	IP66/IP67
Nf1: -60 (-70)...50 NF4: 1...50	Nf1: -60...50 NF4: 1...50	Nf1: -60 (-70)...50 NF4: 1...50
24 VDC / 24 VAC / 230 VAC There is a voltage converter that provides 12V power feed for video-equipment	24 VDC / 24 VAC / 230 VAC / PoE There is a voltage converter that provides 12V power feed for video-equipment	24 VDC / 24 VAC / 230 VAC There is a voltage converter that provides 12V power feed for video-equipment
- 24 VDC – 3,3, 24 VAC – 3,3, 230 VAC – 0,4 - 24 VDC – 1,0, 24 VAC – 0,4, 230 VAC – 0,1		- 24 VDC – 3,3, 24 VAC – 3,3, 230 VAC – 0,4 - 24 VDC – 1,0, 24 VAC – 0,4, 230 VAC – 0,1
Upon request	Yes, installation at the manufacturing factory	Upon request
6	3	6
Yes (NF1)	Yes (NF1)	Yes (NF1)
Yes, independent warming of the glass and the inner space	Yes, independent warming of the glass and the inner space	Yes, independent warming of the glass and the inner space
Yes	Yes	Yes
In TVK-07-O-V modification, by means of feeding and removal of water		
Yes (optional)	Yes (optional)	
Yes (optional, OPTIC-IS)		Yes: signal transmission range up to 20 km, 12-24 VDC, 0.2 A, operating wavelength Tx1310/Rx1550 nm, data transfer rate 10/100 Mbit/sec, optic cable type - monofilament single mode 9/125 m
- Protective pneumatic lens hood (optional) - Duplex-07e - glass cleaning system (optional)		
- 525*170*160/230 (with IR/without IR) - Ø113*240 Upon request, the body length can be of the following frame sizes: R1 – 400 R2 – 300 R3 – 200	276*92*117 (with mounting bracket and visor)	- 499*161*160 - Ø113*240 Upon request, the body length can be of the following frame sizes: R1 – 400 R2 – 300 R3 – 200
Stainless steel/ Powder-coated low-carbon steel	Aluminum alloy AK 12 ПЧ/ Stainless steel	Stainless steel/ Powder-coated low-carbon steel
2	1	8
5...12 (into equipment casing) Up to 22 (along the external insulation)	5...12 (into equipment casing) Up to 22 (along the external insulation)	5...12 (into equipment casing) Up to 22 (along the external insulation)
Bracket (included in the supply package), fastening adapters for post/angular mounting (optional), safety appliance (optional)	Bracket (included in the supply package), fastening adapters for post/angular mounting (optional)	Bracket (included in the supply package), fastening adapters for post/angular mounting (optional)
Video equipment (optional), wires (optional), visor (optional), input devices, protective pneumatic lens hood (optional), fastening adapters for post/angular mounting (optional), safety appliance (optional)	Video equipment (optional), visor (optional), input devices, fastening adapters for post/ angular mounting (optional)	Video equipment (optional), wires (optional), visor (optional), input devices, fastening adapters for post/ angular mounting (optional)
12,5...17,0	2,0...3,0	12,5
10	10	10
5	5	5

NEW

MK-07e

Explosion-Proof Media Converters

The MK-07e media converters are intended for providing safe information interaction between the wired interface of the general induatrial data transfer network Ethernet-10/100Base-T/TX and explosion-proof optical interface of the explosion-proof Ethernet-100Base-LX WDM data network.
It is used at chemical, oil and gas production, oil and gas processing industry enterprises and in explosive areas of other production facilities.



TECHNICAL DATA:

Modification	MK-07e-11EXX Explosion-proof media converter for installation in explosion-proof body type TVK-07-S/N OPTIC-IS	MK-07e-13EXX Media converter for installation in explosion-proof body type TVK-07-S/N-I2-OPTIC	MK-07e-22EXX Frameless media converter for placing in a chassis for installation in a hardware rack	MK 07e-23EXX Boxed media converter for installation on a DIN rail with power supply from an external power source (power supply unit)
	NEW 	NEW 	NEW 	NEW 
Body type	Frameless It is an Ex-component meant for application as part of another explosion-proof product, for example, TVK-07-S/N-OPTIC-IS	ME 22.5 type enclosure for installation on a 35 mm DIN raillt is an Ex-component meant for application as part of another explosion-proof product, for example, TVK-07-S/N-I2-OPTIC	Frameless design for installation in the MK-07e-Sh190AS chassis for installation in a 19“ hardware rack It is intended for use outside the explosive area to connect to explosion-proof equipment installed in the hazardous area via the optical information interface with intrinsically safe optical radiation 'op is'	ME 22.5 type enclosure for installation on a 35 mm DIN rail It is intended for use outside the explosive area to connect to explosion-proof equipment installed in the hazardous area via the optical information interface with intrinsically safe optical radiation 'op is'
Enclosure explosion proofness marking	Ex op is IIIC Da U / Ex op is I Ma U / Ex op is IIC T6 Ga U	Ex op is IIIC Da U/ Ex op is I Ma U/ Ex op is IIC T6 Ga U	[Ex op is Da] IIIC/ [Ex op is Ma] I/ [Ex op is T6 Ga] IIC	[Ex op is Da] IIIC/ [Ex op is Ma] I/ [Ex op is T6 Ga] IIC
Ingress protection rating	IP00	IP20	IP00	IP20
Operating temperature range, °C	-40...50	-40...50	-40...50	-40...50

IP20 | -40°+50°C | 20 km signal transmission range | Fiber optic cable | 12-24 | 10 years

TECHNICAL DATA:

Modification	MK-07e-11EXX Explosion-proof media converter for installation in explosion-proof body type TVK-07-S/N-OPTIC-IS	MK-07e-13EXX Media converter for installation in explosion-proof body type TVK-07-S/N-I2-OPTIC	MK-07e-22EXX Frameless media converter for placing in a chassis for installation in a hardware rack	MK-07e-23EXX Boxed media converter for installation on a DIN rail with power supply from an external power source (power supply unit)
Rated voltage, V	12	24	12	24
Wired network interface type	Ethernet-10/100Base-T/TX	Ethernet-10/100Base-T/TX	Ethernet-10/100Base-T/TX	Ethernet-10/100Base-T/TX
Maximum data transfer rate via wired network interface, Mbit/sec	100	100	100	100
Data transfer method	Duplex, half duplex	Duplex, half duplex	Duplex, half duplex	Duplex, half duplex
Voltage, V: - interface galvanic isolation - input voltage on the receiver line - output voltage on the transmitter line - direct current - effective voltage of alternating current	 - 1500 - 5,0 - 3,6 - 350 - 247	 - 1500 - 5,0 - 3,6 - 350 - 247	 - 1500 - 5,0 - 3,6 - 350 - 247	 - 1500 - 5,0 - 3,6 - 350 - 247
Wired interface transmitting distance, m	100	100	100	100
Optical interface type	Ethernet-100Base-LX WDM	Ethernet-100Base-LX WDM	Ethernet-100Base-LX WDM	Ethernet-100Base-LX WDM
Maximum data transfer rate via optical interface, Mbit/sec	155	155	155	155
Laser type	Fabry–Perot (FP) laser	Fabry–Perot (FP) laser	Fabry–Perot (FP) laser	Fabry–Perot (FP) laser
Operating wavelength of the transmitter / receiver, nm	1310 / 1550	1310 / 1550	1310 / 1550 1550 / 1310	1310 / 1550 1550 / 1310
Optical transmitter power, min. / max., dBm (mW)	-14 (0,04) / -8 (0,16)	-14 (0,04) / -8 (0,16)	-14 (0,04) / -8 (0,16)	-14 (0,04) / -8 (0,16)
Relative noise intensity of optical transmitter dB/Hz	-117	-117	-117	-117
Optical receiver sensitivity, dBm	-34	-34	-34	-34
Maximum input optical power of the receiver, dBm	-5,0	-5,0	-5,0	-5,0
Optical receiver sensitivity, dBm	Monofilament single mode 9/125 um	Monofilament single mode 9/125 um	Monofilament single mode 9/125 um	Monofilament single mode 9/125 um
Optical signal transmitting length, km	20	20	20	20
Light indication	Yes	Yes	Yes	Yes
Mounting method	Depends on the selected Ex-body	Installation on a 35 mm DIN rail	Installation in the MK-07e-Sh190AS chassis for installation in a 19“ hardware rack Chassis TRC-190-AC MOXA, 220 V, 1,5 A, 440*300*90 mm, 5.2 kg, 0...60°C	Installation on a 35 mm DIN rail
Available packages			MK-07e-Sh190AS chassis for installing up to 19 modules of MK-07e-22EXX media converters (optional)	Power supply unit (optional)
Max. overall dimensions, mm	75*83*32	114*99*22,5	123*87*21	114*99*22,5
Max. weight, kg	0,1	0,13	0,115	0,13
Lifetime, min., years	10	10	10	10
Warranty period, years	3	3	3	3