TECNOVIDEO

CCTV SYSTEMS AND ACCESSORIES

INNO

TSPTB-LED SERIES

INNOVATIVE STAINLESS STEEL INNO PTZ CAMERA STATION WITH IR LED

SAFE AREA

- **INNOVATIVE PRODUCT, BEST IN CLASS TECHNOLOGY**
- AISI316L STAINLESS STEEL CONSTRUCTION
- INTEGRATED BOSCH DINION IP STARLIGHT CAMERA
- PREASSEMBLED 17X OR 50X HIGH QUALITY AUTOFOCUS ZOOM LENSES
- EDGE RECORDING
- IR LED ILLUMINATOR
- INTEGRATED WINDOW WIPER
- VERY LOW POWER CONSUMPTION
- EASY MAINTENANCE
- IP66/67
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN IP OVER COAXIAL CONVERTER
- OPTIONAL BUILT-IN 120VAC OR 230VAC POWER SUPPLY
- BVMS COMPATIBLE

POWERED BY

BOSCH

HD 1080 · 17x/50x AUTOFOCUS ZOOM LENSES · H.264 · SD · BOSCH DINION IP · BVMS · BUILT-IN PSU · IR ILLUMINATOR · FIBER OPTIC · IP OVER COAX · IP66 IP67 · +75°C -60°C

ONVIF®

TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See dimensions drawings
Operating Temperature	-40°C +60°C, +75°C peak (-40°F +140°F, +167°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: 36kg / Package: 41kg

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/illuminator off) •110W Operating (no heaters) •155W MAX (low temperature operation)

CERTIFICATIONS

Ingress Protection	EN 60529 (IP66/IP67)
IK Classification	IK10 on all sides except for the front window
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

CAMERA

	DINION IP Starlight CAMERA SERIES	
LENS MODEL	6000 HD (6)	7000 HD (7)
A50	6A50	7A50
K17	6K17	7K17

Please specify the camera + lens combination in the ordering code (see MODELS). For the complete camera specifications, please check the official Bosch camera datasheet.

(*) for more updated information pls visit original web site of camera manufacturer

LENS

	A50	K17
Zoom Ratio	50x	17x
Focal Length	10 - 500mm	7.5 - 127mm
IR corrected	Yes	No
Focus	Automatic	Automatic
Horizontal Angle of View	38.9° - 0.84°	43.1° – 2.75°
Iris Range	F4.5 - 360	F1.6 – F2.7
Temperature Compensated	Yes	No

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LED ILLUMINATOR

LED	14x SMD LED
Wavelength	850nm
Beam patterns	15° or 34° circular beams

FIBER MEDIA CONVERTER

Interface	100 Base-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

TSP1TBxyyy-15LED-IP-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 15° beam, 24VAC
TSP2TBxyyy-15LED-IP-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 15° beam, 120VAC
TSP3TBxyyy-15LED-IP-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 15° beam, 230VAC
TSP1TBxyyy-15LED-SM-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 15° beam, SM FO Media Converter, 24VAC
TSP2TBxyyy-15LED-SM-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 15° beam, SM FO Media Converter, 120VAC
TSP3TBxyyy-15LED-SM-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 15° beam, SM FO Media Converter, 230VAC
TSP1TBxyyy-34LED-IP-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 34° beam, 24VAC
TSP2TBxyyy-34LED-IP-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 34° beam, 120VAC
TSP3TBxyyy-34LED-IP-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 34° beam, 230VAC
TSP1TBxyyy-34LED-SM-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 34° beam, SM FO Media Converter, 24VAC
TSP2TBxyyy-34LED-SM-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 34° beam, SM FO Media Converter, 120VAC
TSP3TBxyyy-34LED-SM-L	New Generation Stainless Steel PTZ IP camera station with Bosch DINION, IR LED Illuminator 34° beam, SM FO Media Converter, 230VAC

- X: 6 = Dinion 6000, 7 = Dinion 7000
- YYY: K17 = 17x zoom Lens, A50 = 50x zoom lens. For the ordering codes, please refer also to the CAMERA table
- for IP over COAXIAL converter replace the suffix ""SM"" with ""CX""

PRE-ASSEMBLED CABLE TAILS

SAUCCT3-B	3 meters composite cable tail (power, CAT6A, data) with two M25 nickel-plated brass glands
SAUCCTF3-D	3 meters composite cable tail (power, data, fiber optic) with two M25 nickel-plated brass glands. Fiber termination: SC
SAUCCT5-B	5 meters composite cable tail (power, CAT6A, data) with two M25 nickel-plated brass glands
SAUCCTF5-D	5 meters composite cable tail (power, data, fiber optic) with two M25 nickel-plated brass glands. Fiber termination: SC
SAUCCT10-B	10 meters composite cable tail (power, CAT6A, data) with two M25 nickel-plated brass glands
SAUCCTF10-D	10 meters composite cable tail (power, data, fiber optic) with two M25 nickel-plated brass glands. Fiber termination: SC

ACCESSORIES

SSBK-L	Wall mounting bracket

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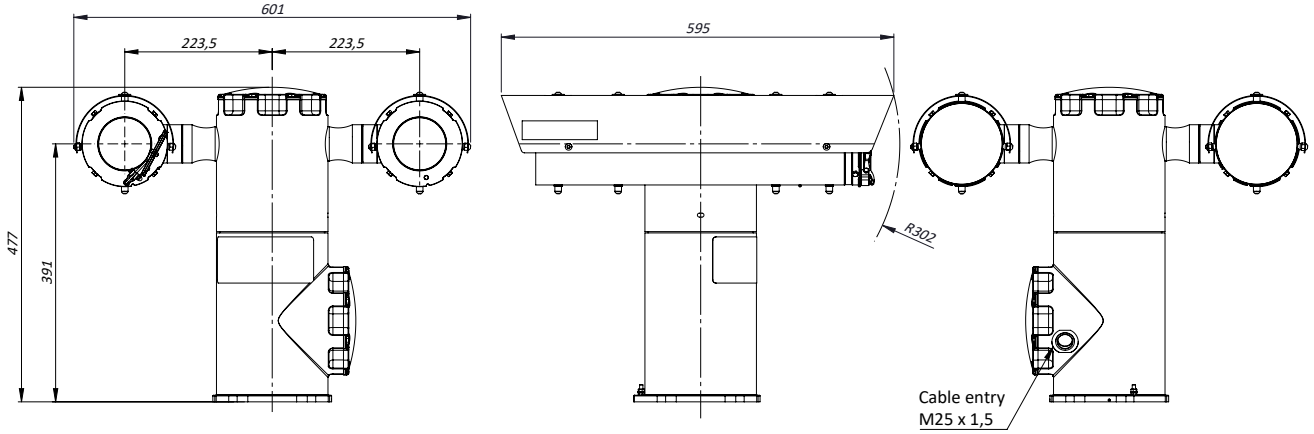
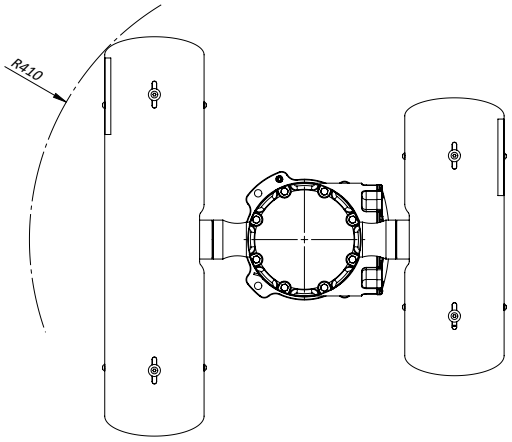
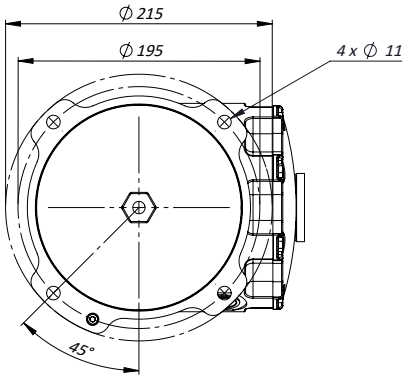
DIMENSIONS





MOUNTING PATTERN



The unit cannot be installed upside-down nor horizontally

This is only an example of integration of Bosch Dinion cameras in Tecnovideo products.
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