CATALOGUE 2014

VIDEOTEC

CCTV PRODUCTS

VIDEOTEC: A LONG HISTORY OF SUCCESSES

In over twenty-five years of activity in the video surveillance industry, we have designed, created and patented numerous products for monitoring all types of external environment. Today, our company is one of the most respected suppliers in the industry, thanks to our innovation and our development of CCTV solutions that guarantee security and reliability.

A NETWORK PROVIDING PEACE OF MIND FOR EVERY CUSTOMER

The operational and logistical headquarters, covering 13,000 square metres, is located in North-East Italy and, thanks to operational support from branches in France, USA/Canada and the Asia Pacific region, numerous selected partners and a widespread distribution network active in over 100 nations, we are able to provide throughout the world, in real time, a broad and complete range of products and proposals for even the most complex requirements linked to the security of external environments in general.

UNLIMITED FIELDS OF APPLICATION

The field of use of our broad product range is extremely vast: from government applications to surveillance of public or private properties, commercial businesses, banks and prisons. Added to these areas are industrial applications, the control of potentially explosive areas or environments with high temperatures or particularly severe climatic conditions, traffic control systems, urban surveillance and coast and border control.

ABSOLUTE QUALITY

Every Videotec solution is the result of a process of research and design performed by our professional staff in collaboration with international universities and research organisations. This operational methodology has allowed us to experiment, as industry pioneers, with technical technologies and cutting-edge materials, creating absolutely innovative products and solutions.

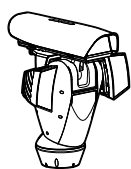### SECURITY WITHOUT COMPROMISE

Our products are the perfect synthesis of high performance, ease of installation, durability, robustness and attention to design; the result of a passion for excellence that is the distinctive mark of the company.
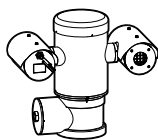
INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE-STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

NEWS 2014
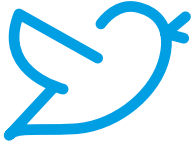
MAXIMUS MHX-MHXT

#EX-proof solutions for fixed cameras #

NXPTZ-NXPTZT

#Integrated positioning units for highly corrosive environments #

NXM36

#Professional cost-effective camera housing for highly corrosive environments #
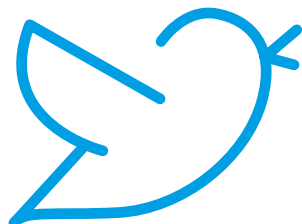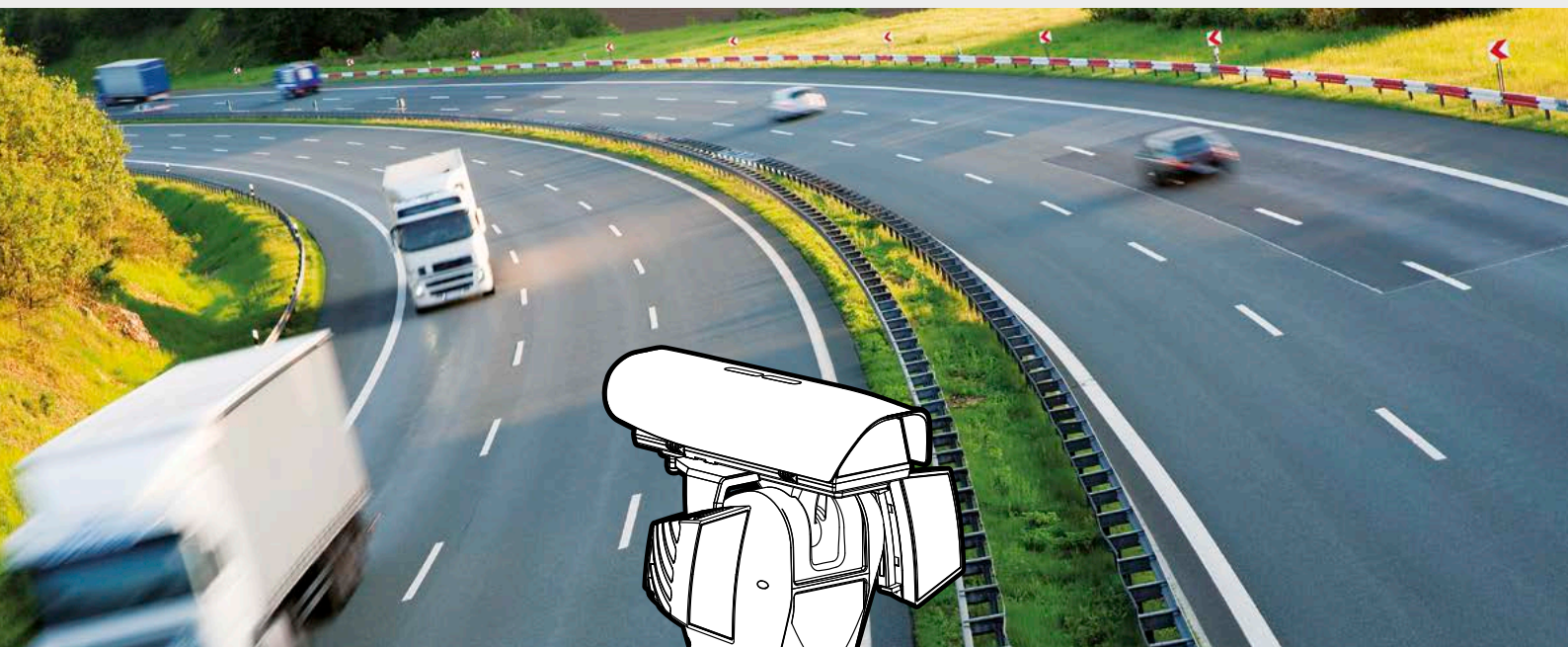
INTEGRATED POSITIONING UNITS

More than a PTZ, more than a speed dome. The all-in-one ULISSE units integrate a high speed 360° rotating P&T head with a camera housing and a multiprotocol telemetry receiver and are really easy to install and configure. All units are guaranteed IP66 weatherproof. To respond to all application needs, different models have been developed in compact, medium and maxi sizes: with choice of analog or IP control mode, with built-in camera, LED illuminators option, absolute positioning sensors. The selection offers units suitable for Network cameras and thermal cameras. The ULISSE is a truly innovative, versatile, widely appealing product ideal for use in any application for outdoor dynamic video surveillance.

FULL-IP
NETWORK

Onvif
Driving network video through global standardization

Onvif S

ULISSE COMPACT
UNIT WITH INTEGRATED DAY/NIGHT CAMERA

IP66					ONVIF S
PROTECTION	INTEGRATED CAM IP		INFRARED	WIPER	

Variable speed: 0.1°-200°/s Pan/Tilt

Horizontal continuous rotation, vertical -90°/+90°

Day/Night camera 36x, 28x or 10x:
- True Progressive Scan (36x)
- High resolution: up to 550 TVLines
- Advanced image stabilizer (Stable Zoom Mode)
- Day/Night (Auto ICR: automatic removal of IR filter)
- Dynamic video masking of different areas

Preset accuracy: 0.05°

Up to 250 Presets

Operating temperature: -40°C / +60°C (-40°F / +140°F)

Power supply available 230Vac, 24Vac or 120Vac

OPTIONS:

IP based control mode, H.264/AVC, 25fps, Full D1 (compatible with ONVIF protocol, S profile)

Complete front flange with heated glass

LED illuminator

Wiper

349

387mm   261

ULISSE COMPACT + LED illuminator
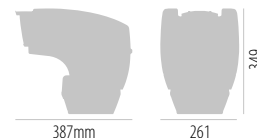
ULISSE COMPACT - CONFIGURATION OPTIONS

	VOLTAGE		DAY/NIGHT CAMERA				OPTIONS			VIDEO OUTPUT		
UC	1	230Vac	P	Day/Night camera 36x optical zoom lens, PAL	V	With I/O alarm board	S	Without accessories	A	0	Analog control mode	00A
	2	24Vac	Q	Day/Night camera 28x optical zoom lens, PAL			W	With wiper		Z	IP H.264/AVC Control mode, Protocol ONVIF Profile S	
	3	120Vac	B	Day/Night camera 10x optical zoom lens, PAL			Q	With IR LED illuminator 30°, 850nm				
			N	Day/Night camera 36x optical zoom lens, NTSC			R	With IR LED illuminator 10°, 850nm				
			M	Day/Night camera 28x optical zoom lens, NTSC			U	With wiper and IR LED illuminator 30°, 850nm				
			K	Day/Night camera 10x optical zoom lens, NTSC			T	With wiper and IR LED illuminator 10°, 850nm				
							M	With IR LED illuminator 10°, 940nm				
							N	With wiper and IR LED illuminator IR LED 10°, 940nm				
							Z	With wiper and LED illuminator 30°, white light (only with 36x camera)				

ULISSE COMPACT THERMAL
UNIT WITH INTEGRATED THERMAL AND DAY/NIGHT CAMERAS

IP66 PROTECTION | THERMAL | INTEGRATED CAM | WIPER

Variable speed: 0.1°-200°/s Pan/Tilt

Horizontal continuous rotation, vertical -90°/+90°

Dual independent video output

Complete control via RS485 of both cameras

Thermal cameras:
- Sensor: Uncooled microbolometer (VOx)
- Lenses: 35mm or 25mm
- Resolution 320x256 or 640x512
- Image frequency: 8.3Hz or 25Hz

Day/Night camera 36x or 28x
- True Progressive Scan (only 36x)
- High resolution: up to 550 TVLines
- Advanced image stabilizer (Stable Zoom Mode)
- Day/Night (Auto ICR: automatic removal of IR filter)
- Dynamic video masking of different areas

Preset accuracy: 0.05°

Up to 250 Presets

Operating temperature: -40°C / +60°C (-40°F / +140°F)

Integrated wiper

Power supply available 230Vac, 24Vac or 120Vac

387mm | 261 | 349
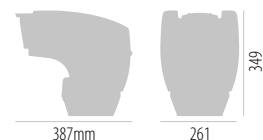
ULISSE COMPACT THERMAL -CONFIGURATION OPTIONS

	VOLTAGE		DAY/NIGHT CAMERA		THERMAL CAMERA				VIDEO OUTPUT		FREQUENCY
UCT	1	230Vac	P	Day/Night camera 36x optical zoom lens, PAL	A	Thermal camera 35mm - 320x256	W	With integrated wiper	A	0 Analog control mode	00A	– 7.5-8.3Hz
	2	24Vac	Q	Day/Night camera 28x optical zoom lens, PAL	B	Thermal camera 25mm - 320x256					H 25-30Hz
	3	120Vac	N	Day/Night camera 36x optical zoom lens, NTSC	D	Thermal camera 35mm - 640x512					
			M	Day/Night camera 28x optical zoom lens, NTSC	E	Thermal camera 25mm - 640x512					

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

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ULISSE

CAMERA POSITIONING UNIT

Variable speed: 0.02°-100°/s Pan; 0.02°-40°/s Tilt

Variable speed with UPTIRN LED illuminators: Pan 0.02°-40°/s - Tilt 0.02°-30°/s

Horizontal continuous rotation, vertical +90°/-40°

Housing for compact lenses

Autopan, Preset, Patrol

Up to 250 Presets

Operating temperature: -20°C / +60°C (-4°F / +140°F)

Power supply available 230Vac, 24Vac or 120Vac

Internal usable area (WxHxL): 104x84x270mm (4.1x3.3x10.6.6in)

OPTIONS:

Day/Night SONY 36x, 28x cameras

IP based control mode, MPEG4, 25fps, Full D1 (compatible with Milestone XProtect Suite and ONVIF protocol)

Prearrangement for mounting of two UPTIRN LED illuminators

Germanium window for thermal cameras

Cold pack for low temperature down to -30°C (-22°F)

Wiper

IP66 PROTECTION | INTEGRATED CAM | IP | INFRARED | THERMAL | WIPER

ONVIF Driving network video through global standardization

ULISSE for thermal cameras

ULISSE + 2 UPTIRN

584

514mm   258

ULISSE - CONFIGURATION OPTIONS

	VOLTAGE		DAY/NIGHT CAMERA			OPTIONS			VIDEO OUTPUT		
UPT	1	230Vac	S	Without Day/Night camera	V	S	Without accessories	A	O	Analog control mode	00E
	2	24Vac	P	Day/Night camera 36x optical zoom lens, PAL		W	With wiper		X	Control mode IP MPEG4	
	3	120Vac	Q	Day/Night camera 28x optical zoom lens, PAL		K	With bracket for UPTIRN (only 24Vac, illuminators not included)				
			N	Day/Night camera 36x optical zoom lens, NTSC		J	With bracket for UPTIRN, wiper (only 24Vac, illuminators not included)				
			M	Day/Night camera 28x optical zoom lens, NTSC		G	With germanium front window for thermal cameras applications				

Not all combinations are possible.

ULISSE NETCAM
UNIT FOR NETWORK CAMERAS

For Network cameras compatible with ONVIF protocol, profile S, or equipped with RS485 serial port

Variable speed: 0.02°-100°/s Pan; 0.02°-40°/s Tilt

Variable speed with UPTIRN LED illuminators: Pan 0.02°-40°/s - Tilt 0.02°-30°/s

Horizontal continuous rotation, vertical +90°/-40°

Housing for compact lenses

Autopan, Preset, Patrol

Up to 250 Presets

Operating temperature: -20°C / +60°C (-4°F / +140°F)

Power supply available 230Vac, 24Vac or 120Vac

Internal usable area (WxHxL): 104x84x270mm (4.1x3.3x10.6.6in)

OPTIONS:

Germanium window for thermal cameras

Prearrangement for mounting of two UPTIRN LED illuminators

Cold pack for low temperature down to -30°C (-22°F)

Wiper

PROTECTION	INFRARED	THERMAL	WIPER	NETWORK	
IP66				FULL-IP	ONVIF S

ULISSE for thermal cameras

ULISSE + 2 UPTIRN

514mm   258   584

ULISSE NETCAM - CONFIGURATION OPTIONS

	VOLTAGE				OPTIONS			VIDEO OUTPUT		
UPT	1	230Vac	S	Without camera	V	S	Without accessories	A	N	For Network cameras compatible with ONVIF protocol, Profile S, or with built-in telemetry output	00E
	2	24Vac				W	With wiper			
	3	120Vac				K	With bracket for UPTIRN (only 24Vac, illuminators not included)			
						J	With bracket for UPTIRN, wiper (only 24Vac, illuminators not included)			
						G	With germanium front window for thermal cameras applications			

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ILLUMINATORS
DIGITAL VIDEO SYSTEMS
VIDEO MANAGEMENT AND CONTROL
CAMERA BRACKETS

ULISSE PLUS

UNIT FOR MEDIUM-LARGE LENSES

Variable speed: 0.02°-100°/s Pan; 0.02°-50°/s Tilt

Variable speed with UPTIRN LED illuminators: Pan 0.02°-40°/s - Tilt 0.02°-30°/s

Horizontal continuous rotation, vertical +90°/-40°

Weatherproof housing for medium/large-size lenses

Optical sensors for absolute positioning feedback

Preset accuracy: 0.02°

Up to 250 Presets

Integrated wiper

Operating temperature: -20°C / +60°C (-4°F / +140°F)

Power supply available 230Vac, 24Vac or 120Vac

Internal usable area (WxHxL): 115x90x325mm (4.5x3.5x12.8in)

OPTIONS:

IP based control mode, MPEG4, 25fps, Full D1 (compatible with Milestone XProtect Suite and ONVIF protocol)

Prearrangement for mounting of two UPTIRN LED illuminators

Cold pack for low temperature down to -30°C (-22°F)

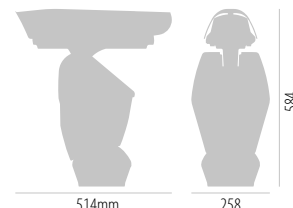| IP66			
PROTECTION	IP	INFRARED	WIPER

ONVIF
Driving network video through global standardization

ULISSE PLUS + 2 UPTIRN

743

514mm   258

ULISSE PLUS - CONFIGURATION OPTIONS

	VOLTAGE			OPTIONS			VIDEO OUTPUT		
UPT	1	230Vac	SM	W	With wiper	A	O	Analog control mode	00E
	2	24Vac		J	With bracket for UPTIRN, wiper (only 24Vac, illuminators not included)		X	Control mode IP MPEG4	
	3	120Vac							

ULISSE PLUS NETCAM

UNIT FOR MEDIUM-LARGE LENSES FOR NETWORK CAMERAS

For Network cameras compatible with ONVIF protocol, profile S, or equipped with RS485 serial port

Variable speed: 0.02°-100°/s Pan; 0.02°-50°/s Tilt

Variable speed with UPTIRN LED illuminators: Pan 0.02°-40°/s - Tilt 0.02°-30°/s

Horizontal continuous rotation, vertical +90°/-40°

Weatherproof housing for medium/large-size lenses

Optical sensors for absolute positioning feedback

Preset accuracy: 0.02°

Up to 250 Presets

Integrated wiper

Operating temperature: -20°C / +60°C (-4°F / +140°F)

Power supply available 230Vac, 24Vac or 120Vac

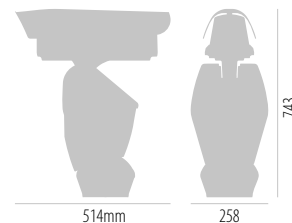Internal usable area (WxHxL): 115x90x325mm (4.5x3.5x12.8in)

OPTIONS:

Prearrangement for mounting of two UPTIRN LED illuminators

Cold pack for low temperature down to -30°C (-22°F)

IP66 PROTECTION | INFRARED | WIPER | **FULL-IP** NETWORK | **ONVIF S**

ULISSE PLUS + 2 UPTIRN

743

514mm 258

ULISSE PLUS NETCAM - CONFIGURATION OPTIONS

	VOLTAGE		OPTIONS			VIDEO OUTPUT		
UPT	1	230Vac	SM	W	With wiper	A	N	For Network cameras compatible with ONVIF protocol, Profile S, or with built-in telemetry output	00E
	2	24Vac		J	With bracket for UPTIRN, wiper (only 24Vac, illuminators not included)				
	3	120Vac							

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ULISSE MAXI

UNIT FOR LARGE-SIZE ZOOM LENSES

Variable speed: 0.02°-20°/s Pan and Tilt

Horizontal continuous rotation, vertical +45°/-20°

Weatherproof housing for large-size lenses

Optical sensors for absolute positioning feedback

Adjustable counter-weights system for optimum balancing

Integrated wiper

Preset accuracy: 0.02°

Up to 250 Presets

Operating temperature: -10°C / +60°C (14°F / 140°F)

Power supply available 230Vac, 24Vac or 120Vac

Internal usable area (WxHxL): 152x160x432mm (6x6.3x17in)

OPTIONS:

IP based control mode, MPEG4, 25fps, Full D1 (compatible with Milestone XProtect Suite and ONVIF protocol)

Germanium window for thermal cameras

IP66				ONVIF
PROTECTION	IP	THERMAL	WIPER	Driving network video through global standardization
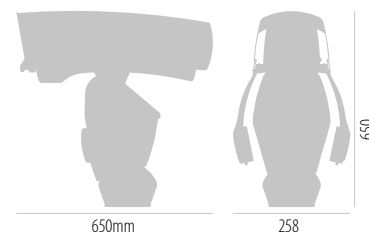
ULISSE MAXI for thermal cameras

ULISSE MAXI - CONFIGURATION OPTIONS

	VOLTAGE			OPTIONS			VIDEO OUTPUT		
UPT	1	230Vac	SL	W	With wiper	A	O	Analog control mode	00E
	2	24Vac		G	With germanium front window for thermal cameras applications		X	Control mode IP MPEG4	
	3	120Vac							

Not all combinations are possible.

ULISSE MAXI NETCAM
UNIT FOR LARGE-SIZE ZOOM LENSES FOR NETWORK CAMERAS

IP66 PROTECTION	THERMAL	WIPER	FULL-IP NETWORK	ONVIF S

For Network cameras compatible with ONVIF protocol, profile S, or equipped with RS485 serial port

Variable speed: 0.02°-20°/s Pan and Tilt

Horizontal continuous rotation, vertical +45°/-20°

Weatherproof housing for large-size lenses

Optical sensors for absolute positioning feedback

Adjustable counter-weights system for optimum balancing

Integrated wiper

Preset accuracy: 0.02°

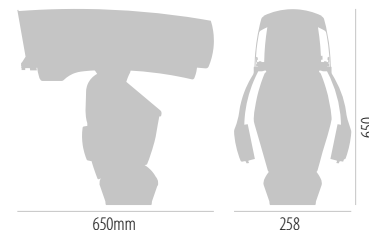Operating temperature: -10°C / +60°C (14°F / 140°F)

Up to 250 Presets

Power supply available 230Vac, 24Vac or 120Vac

Internal usable area (WxHxL): 152x160x432mm (6x6.3x17in)

OPTIONS:

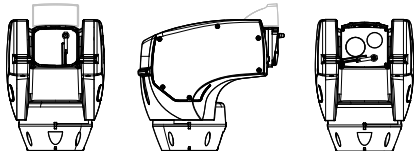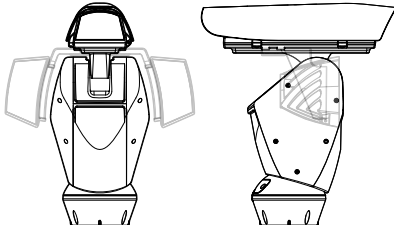Germanium window for thermal cameras

ULISSE MAXI for thermal cameras

650mm   258   659

ULISSE MAXI NETCAM - CONFIGURATION OPTIONS

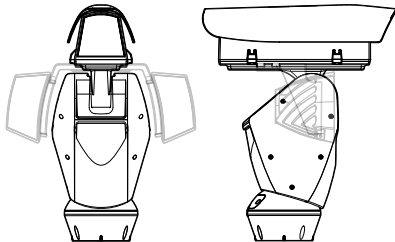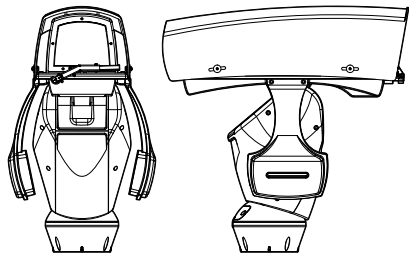|	VOLTAGE		OPTIONS			VIDEO OUTPUT		
UPT	1	230Vac	SL	W	With wiper	A	N	For Network cameras compatible with ONVIF protocol, Profile S, or with built-in telemetry output	00E
	2	24Vac		G	With germanium front window for thermal cameras applications				
	3	120Vac							

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

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ULISSE - COMPARISON TABLE

	ULISSE COMPACT	ULISSE COMPACT THERMAL	ULISSE	ULISSE NETCAM
	UNIT WITH INTEGRATED DAY/NIGHT CAMERA	UNIT WITH INTEGRATED THERMAL AND DAY/NIGHT CAMERAS	UNIT FOR ANALOG CAMERAS	UNIT FOR NETWORK CAMERAS
Camera type	–	–	For analog camera	For network camera
For Motorized zoom lenses	–	–	For compact-size zoom lenses	For compact-size zoom lenses
Integrated Day/Night camera	36x, 28x, 10x zoom	36x, 28x zoom	36x, 28x zoom on demand	–
Integrated thermal camera	–	Uncooled VOx	–	–
Analog/IP	Analog or IP H.264/AVC	Analog	Analog or IP MPEG4	IP
Variable speed	Pan/Tilt 0.1°÷200°/s		Pan 0.02°÷100°/s - Tilt 0.02°÷40°/s [1]	
Camera useful area (WxHxL)	–	–	104x84x270mm (4.1x3.3x10.6.6in)	
Preset Accuracy	0.05°		0.02°	
Optical sensor for perfect positioning	–	–	–	–
Operating temperature	Min -40°C (40°F) - Max +60°C (140°F)		Min -30° - Max +60°C [2]	
OPTIONS				
Integrated wiper	✓	✓	✓	✓
Prearrangement for UPTIRN LED illuminators	–	–	✓	✓
Integrated LED illuminator	✓	–	–	–
Germanium window for thermal cameras	–	✓	✓	✓

[1] *Variable speed with UPTIRN LED illuminators: Pan 0.02°-40°/s - Tilt 0.02°-30°/s*

[2] *With optional reinforced heater, otherwise Min -20°C (-4°F) + Max +60°C (140°F)*

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

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VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

ULISSE - COMPARISON TABLE

	ULISSE PLUS	ULISSE PLUS NETCAM	ULISSE MAXI	ULISSE MAXI NETCAM
	UNIT FOR MEDIUM/LARGE ZOOM LENSES FOR ANALOG CAMERAS	**UNIT FOR MEDIUM-LARGE LENSES FOR NETWORK CAMERAS**	**UNIT FOR LARGE ZOOM LENSES FOR ANALOG CAMERAS**	**UNIT FOR LARGE-SIZE ZOOM LENSES FOR NETWORK CAMERAS**
Camera type	For analog camera	For network camera	For analog camera	For network camera
For Motorized zoom lenses	For medium-size zoom lenses	For medium-size zoom lenses	For large-size zoom lenses	For large-size zoom lenses
Integrated Day/Night camera	–	–	–	–
Integrated thermal camera	–	–	–	–
Analog/IP	Analog or IP MPEG4	IP	Analog or IP MPEG4	IP
Variable speed	Pan 0.02°÷100°/s - Tilt 0.02°÷50°/s [1]		Pan/Tilt 0.02°÷20°/s	
Camera useful area (WxHxL)	115x90x325mm (4.5x3.5x12.8in)		152x160x432mm (6x6.3x17in)	
Preset Accuracy	0.02°		0.02°	
Optical sensor for perfect positioning	✓	✓	✓	✓
Operating temperature	Min -30° - Max +60°C [2]		Min -10°C (14°F) - Max +60°C (140°F)	
OPTIONS				
Integrated wiper	✓	✓	✓	✓
Prearrangement for UPTIRN LED illuminators	✓	✓	–	–
Integrated LED illuminator	–	–	–	–
Germanium window for thermal cameras	–	–	✓	✓

[1] *Variable speed with UPTIRN LED illuminators: Pan 0.02°-40°/s - Tilt 0.02°-30°/s*

[2] *With optional reinforced heater, otherwise Min -20°C (-4°F) + Max +60°C (140°F)*

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ACCESSORIES FOR POSITIONING UNITS

WASPT WASHER PUMP AND 5 OR 23 LITER TANK FOR ULISSE, ULISSE PLUS AND ULISSE COMPACT

Versions with delivery up to 5m (16ft), 11m (36ft), 30m (98ft)

Pump available in 230Vac, 24Vac and 120Vac

In the 11m (36ft) and 30m (98ft) delivery versions the lack of liquid in the tank is signalled following the automatic stop of the pump

UPTIRN LED ILLUMINATOR

High efficiency heat sink body to ensure maximum LEDs durability

Strong aluminium structure

The illuminator is supplied in 24Vac/12-24Vdc

Beam pattern: 10°, 30°, 60°

Wavelengths: 850nm, 940nm and white light

Adjustable light intensity

Adjustable built-in photocell

IP66/IP67

UPTHT REINFORCED HEATER FOR LOW TEMPERATURE APPLICATIONS

UPTHT1 for ULISSE and ULISSE PLUS versions with motorized lens down to -30°C (-22°F). Lenses with operating temperatures down to -20°C (-4°F)

UPTHT2 for ULISSE versions with block camera. Operating temperature down to -30°C (-22°F)

UPTIRPS230 EXTERNAL POWER SUPPLY FOR ULISSE AND ULISSE PLUS WITH UPTIRN LED ILLUMINATORS

Power supply 230Vac, 50/60Hz

Control to synchronize illuminators with camera Day/Night switching

Night switch included

IP56

UPTJBUL WEATHERPROOF JUNCTION BOX (ACCORDING UL NORM)

For the power supply connection

External mounting from the ULISSE unit

UPTIRPS120 EXTERNAL POWER SUPPLY FOR ULISSE AND ULISSE PLUS WITH UPTIRN LED ILLUMINATORS

Power supply 120Vac, 50/60Hz

Control to synchronize illuminators with camera Day/Night switching

Night switch included

IP66

BRACKETS AND ADAPTERS FOR POSITIONING UNITS

UPTWBA WALL MOUNT

Made of die-cast aluminum

Epoxypolyester powder painting, RAL9002 colour

Wall bracket with internal cable channel

UPTWBTA PARAPET BRACKET

Made of die-cast aluminum

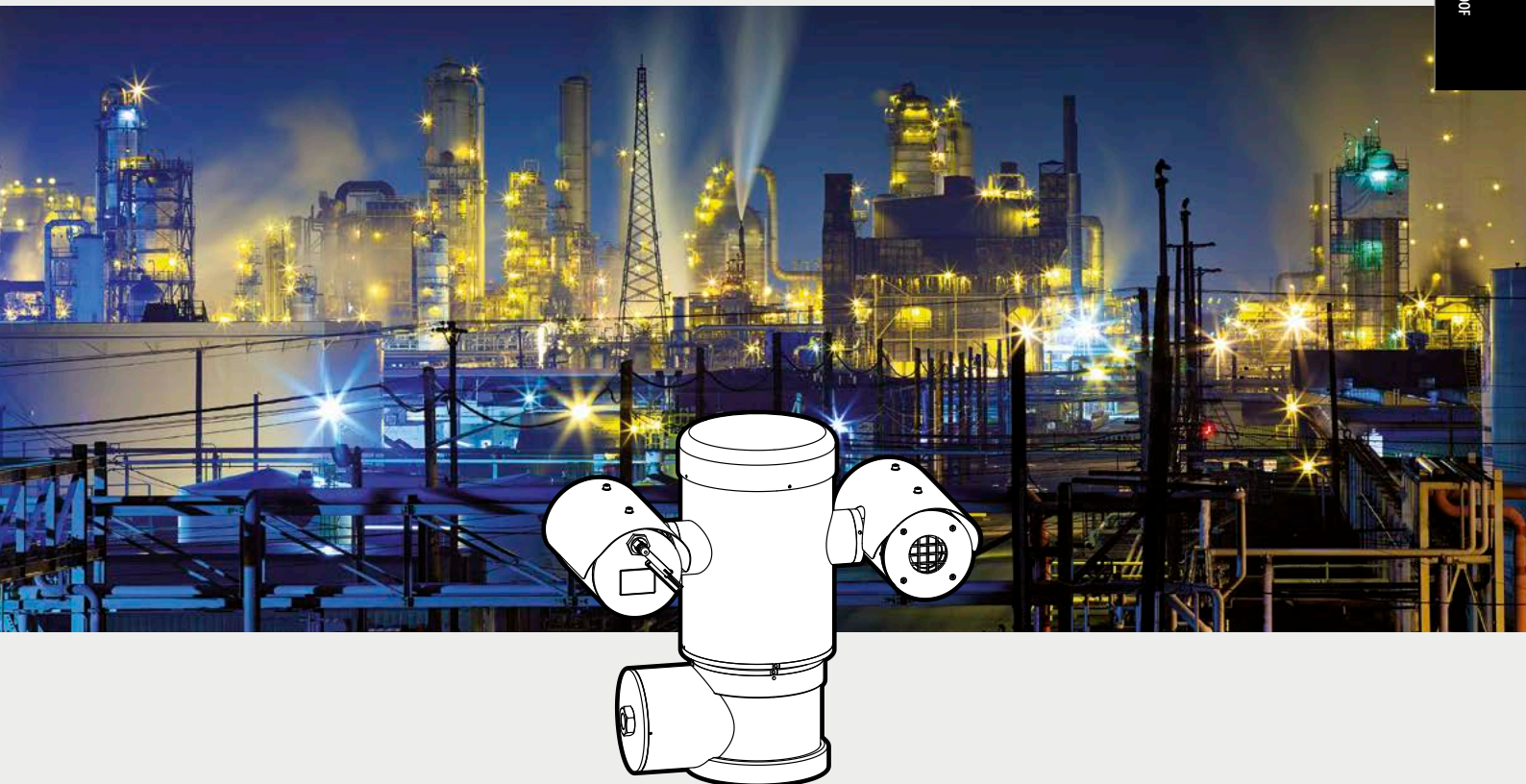Epoxypolyester powder painting, RAL9002 colour

Internal cable management

UCCMA CEILING BRACKET FOR UPSIDE DOWN MOUNTING AND WORKING OF ULISSE COMPACT

Made of galvanized and painted steel

Safety cord in AISI316L stainless steel

Internal cable management

EXPLOSION-PROOF PRODUCTS

The Videotec explosion proof products has been certified and designed to meet rigorous requirements for installations in hazardous areas, where flammable gases and powders may be present. The MAXIMUS series provides an exceptional performance for the monitoring of critical processes in areas at risk of explosion and is therefore the best choice for video surveillance of the chemical, oil and gas industries. The extreme ruggedness and the low maintenance make these products suitable to be used in extreme environments and offer a quality product that exceeds all expectations.

Onvif
Driving network video through global standardization

MAXIMUS MPX

EXPLOSION-PROOF POSITIONING UNIT WITH BUILT-IN DAY/NIGHT CAMERA

IP66 PROTECTION | INTEGRATED CAM | IP | WIPER | ONVIF Driving network video through global standardization

Electropolished AISI 316L stainless steel explosion proof P&T head

¾" NPT threaded hole for use of cable glands or sealing fitting

Variable speed: 0.1°-100°/s Pan and Tilt

Extremely easy electrical connections directly into the unit, thanks to the explosion-proof inspection box

Day/Night camera 36x or 28x
- True Progressive Scan
- High resolution: up to 550 TVLines
- Advanced image stabilizer (Stable Zoom Mode)
- Day/Night (Auto ICR: automatic removal of IR filter)

Zero backlash

Preset accuracy: 0.02°

Certificates:

ATEX
- Ex II 2 G Ex d IIC T6 Tto -40°C to +60°C Gb
- Ex II 2 D Ex tb IIIC T85°C Tto -40°C to +60°C Db
- IP66

IECEx
- Ex d IIC T6 Tto -40°C to +60°C Gb
- Ex tb IIIC T85°C Tto -40°C to +60°C Db
- IP66

GOST-R
- 1 Ex d IIC T6 Gb X
- Ex tb IIIC T85°C Db X
- IP66

CNEx
- Ex d IIC T6 Gb Tamb-40-60°C
- DIP A21 TA T6 Tamb-40-60°C

INMETRO
- Ex d IIC T6 Gb Ta -40°C a/to +60°C
- Ex tb IIIC T85°C Db Ta -40°C a/to +60°C
- IP66

UL/cUL listed (only for 24Vac version)

UL listed for USA:
- Class I, Zone 1, AEx d IIC T6
- Zone 21, AEx tb IIIC T85°C

UL listed for Canada:
- Class I, Zone 1, Ex d IIC T6 Gb
- Class II, Groups E, F and G

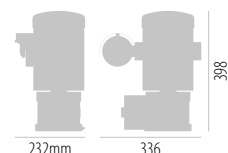*All updates on Certifications and Markings in www.videotec.com*

OPTIONS:

IP based control mode, MPEG4, 25fps, Full D1 (compatible with Milestone XProtect Suite and ONVIF protocol)

Cable input

ATEX | IECEx | РСТ ГБ05 | CNEX 国家防爆 | Segurança INMETRO BR CCP-0329 | c UL us LISTED

232mm | 336 | 398

MAXIMUS MPX - CONFIGURATION OPTIONS

	VOLTAGE		DAY/NIGHT CAMERA							VIDEO OUTPUT		
MPX	1	230Vac	P	Day/Night camera 36x optical zoom lens, PAL	V	With alarm board	W	With wiper	0	O	Analog control mode	00A
	2	24Vac	Q	Day/Night camera 28x optical zoom lens, PAL						X	Control mode IP MPEG4	
	3	120Vac	N	Day/Night camera 36x optical zoom lens, NTSC								
			M	Day/Night camera 28x optical zoom lens, NTSC								

MAXIMUS MPXT

EXPLOSION-PROOF POSITIONING UNIT WITH BUILT-IN DAY/NIGHT AND THERMAL CAMERAS

Electropolished AISI 316L stainless steel explosion proof P&T head

¾" NPT threaded hole for use of cable glands or sealing fitting

Variable speed: 0.1°-100°/s Pan and Tilt

Extremely easy electrical connections directly into the unit, thanks to the explosion-proof inspection box

Dual independent video output

Thermal cameras:
- Sensor: Uncooled microbolometer (VOx)
- Lenses: 35mm, 25mm or 19mm
- Resolution 320x256 or 640x512

Day/Night camera 36x or 28x
- True Progressive Scan
- High resolution: up to 550 TVLines
- Advanced image stabilizer (Stable Zoom Mode)
- Day/Night (Auto ICR: automatic removal of IR filter)

Preset accuracy: 0.02°

Certificates:

ATEX
- ⒺⓍ II 2 G Ex d IIC T6 Tto -40°C to +60°C Gb
- ⒺⓍ II 2 D Ex tb IIIC T85°C Tto -40°C to +60°C Db
- IP66

IECEx
- Ex d IIC T6 Tto -40°C to +60°C Gb
- Ex tb IIIC T85°C Tto -40°C to +60°C Db
- IP66

GOST-R
- 1 Ex d IIC T6 Gb X
- Ex tb IIIC T85°C Db X
- IP66

CNEx
- Ex d IIC T6 Gb Tamb-40-60°C
- DIP A21 TA T6 Tamb-40-60°C

INMETRO
- Ex d IIC T6 Gb Ta -40°C a/to +60°C
- Ex tb IIIC T85°C Db Ta -40°C a/to +60°C
- IP66

UL/cUL listed (only for 24Vac version)

UL listed for USA:
- Class I, Zone 1, AEx d IIC T6
- Zone 21, AEx tb IIIC T85°C

UL listed for Canada:
- Class I, Zone 1, Ex d IIC T6 Gb
- Class II, Groups E, F and G

All updates on Certifications and Markings in www.videotec.com
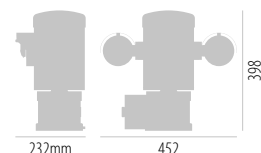
OPTIONS:

IP based control mode, MPEG4, 25fps, Full D1 (compatible with Milestone XProtect Suite and ONVIF protocol)

Cable input

Right sidebar navigation:
INTEGRATED POSITIONING UNITS
EXPLOSION-PROOF PRODUCTS
MARINE - STAINLESS STEEL PRODUCTS
CAMERA HOUSINGS
P&T MOTORS AND TELEMETRY
ILLUMINATORS
DIGITAL VIDEO SYSTEMS
VIDEO MANAGEMENT AND CONTROL
CAMERA BRACKETS

MAXIMUS MPXT - CONFIGURATION OPTIONS

	VOLTAGE		DAY/NIGHT CAMERA		THERMAL CAMERA				VIDEO OUTPUT			THERMAL CAMERA FRAME RATE	
MPXT	1	230Vac	P	Day/Night camera 36x optical zoom lens, PAL	A	Thermal camera 35mm, 320x256	W	With wiper	0	0	Analog control mode	00A	–	7.5-8.3Hz
	2	24Vac	Q	Day/Night camera 28x optical zoom lens, PAL	B	Thermal camera 25mm, 320x256				X	Control mode IP MPEG4		H	25-30Hz
	3	120Vac	N	Day/Night camera 36x optical zoom lens, NTSC	V	Thermal camera 19mm, 320x256								
			M	Day/Night camera 28x optical zoom lens, NTSC	D	Thermal camera 35mm, 640x512								
					E	Thermal camera 25mm, 640x512								

MAXIMUS MHX

EXPLOSION-PROOF STAINLESS STEEL HOUSING

Made of AISI 316L electropolished stainless steel

2 ¾" NPT threaded holes for use of cable glands or sealing fitting

Integrated telemetry receiver for version with wiper

Sunshield and heater included

IP66/IP67

Internal usable area (WxHxL): 80x82x245mm (3.1x3.2x9.6in)

Certificates:

ATEX
- Ex II 2 G Ex d IIC T6 Gb Tto -40°C to +60°C
- Ex II 2 D Ex tb IIIC T85°C Db Tto -40°C to +60°C

IECEX
- Ex d IIC T6 Gb Tto -40°C to +60°C
- Ex tb IIIC T85°C Db Tto -40°C to +60°C

All updates on Certifications and Markings in www.videotec.com

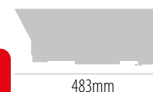### OPTIONS:

Integrated Day/Night camera 10x, 1/3"

Wiper

IP66 IP67 PROTECTION | INTEGRATED CAM | WIPER

NEWS 2014

483mm   187   188

ATEX   IECEx

MAXIMUS MHXT

EXPLOSION-PROOF STAINLESS STEEL HOUSING FOR THERMAL CAMERAS

Made of AISI 316L electropolished stainless steel

Germanium window with protection grid

2 ¾" NPT threaded holes for use of cable glands or sealing fitting

Integrated telemetry receiver

Sunshield and heater included

IP66/IP67

Internal usable area (WxHxL): 80x82x245mm (3.1x3.2x9.6in)

Certificates:

ATEX
- Ex II 2 G Ex d IIC T6 Gb Tto -40°C to +60°C
- Ex II 2 D Ex tb IIIC T85°C Db Tto -40°C to +60°C

IECEX
- Ex d IIC T6 Gb Tto -40°C to +60°C
- Ex tb IIIC T85°C Db Tto -40°C to +60°C

All updates on Certifications and Markings in www.videotec.com

OPTIONS:

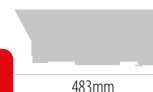Versions with various combinations of thermal cameras and lenses

IP66 IP67 PROTECTION | THERMAL | INTEGRATED CAM

NEWS 2014

483mm   187   188

ATEX   IECEx

MAXIMUS MHX - CONFIGURATION OPTIONS

		VOLTAGE		CERTIFICATION		OPTIONS				DAY/NIGHT CAMERA 10X		
MHX	1	230Vac	C	IIC -40°C	S	Without wiper	0	With sunshield	00	Without camera		A
	2	24Vac			W	With wiper			B0	Day/Night camera 10x optical zoom lens, PAL		
	3	120Vac							K0	Day/Night camera 10x optical zoom lens, NTSC		

MAXIMUS MHXT - CONFIGURATION OPTIONS

		VOLTAGE		CERTIFICATION			THERMAL CAMERA		
MHXT	1	230Vac	C	IIC -40°C	0	With sunshield	00	Without camera	A
	2	24Vac					N0	Thermal camera 50mm, 320x256, 7.5-8.3Hz	
	3	120Vac					NH	Thermal camera 50mm, 320x256, 25-30Hz	
							A0	Thermal camera 35mm, 320x256, 7.5-8.3Hz	
							AH	Thermal camera 35mm, 320x256, 25-30Hz	
							B0	Thermal camera 25mm, 320x256, 7.5-8.3Hz	
							BH	Thermal camera 25mm, 320x256, 25-30Hz	
							V0	Thermal camera 19mm, 320x256, 7.5-8.3Hz	
							VH	Thermal camera 19mm, 320x256, 25-30Hz	
							P0	Thermal camera 50mm, 640x512, 7.5-8.3Hz	
							PH	Thermal camera 50mm, 640x512, 25-30Hz	
							D0	Thermal camera 35mm, 640x512, 7.5-8.3Hz	
							DH	Thermal camera 35mm, 640x512, 25-30Hz	
							E0	Thermal camera 25mm, 640x512, 7.5-8.3Hz	
							EH	Thermal camera 25mm, 640x512, 25-30Hz	

MHX + MHXWBS

MHXT-MHXWBS

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

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CAMERA BRACKETS

WASEX

STAINLESS STEEL WASHER PUMP WITH EXPLOSION-PROOF SOLENOID VALVE FOR MAXIMUS SERIES

Enclosure made of stainless steel AISI 316L

Delivery head up to 20m

Different loading modes

Power supply in 24Vac/dc, 20W max.

Certifications solenoid valve:

ATEX
• ⟨Ex⟩ II GD   Ex d IIC T4 Gb
                Ex tb IIIC T130°C Db

INMETRO
• Ex d IIC T4 Gb IP66

GOST-R
• 1 Exd IIC T4
• Tamb -40/+60°C

All updates on Certifications and Markings in www.videotec.com

BRACKETS AND ADAPTERS FOR MAXIMUS MPX AND MPXT

MPXWBA WALL MOUNT

Made of AISI 316L electropolished stainless steel

Load rating: 40kg (88lb)

Can be coupled with modular MPXCW and MPXCOL components

MPXWBTA PARAPET OR CEILING MOUNTING BRACKET

Made of AISI 316L electropolished stainless steel

Load rating: 40kg (88lb)

Dimensions: Ø 238mm (9.4in)

BRACKETS AND ADAPTERS FOR MAXIMUS MHX AND MAXIMUS MHXT

MHXWBS WALL MOUNT

Made of AISI 316L electropolished stainless steel

Load rating: 40kg (88lb)

Length: 425mm (16.7in)

Can be coupled with modular MPXCW and MPXCOL components

MHXWFWCA BALL JOINT FOR HOUSING

Made of AISI 316L electropolished stainless steel

Compatible with NXFWBT bracket

Load rating: 40kg (88lb)

Dimensions: Ø 101.6mm

NXFWBT PARAPET MOUNTING BRACKET

Made of AISI 316L electropolished stainless steel

Load rating: 70kg (154lb)

Height: 124mm (4.9in)

MPXCOL POLE MOUNT ADAPTER

Made of AISI 316L electropolished stainless steel

For pole diameters: 110÷150mm (4.3÷5.9in)

Load rating: 50kg (110lb)

Suitable for MPXWBA and MHXWBS brackets

MPXCW CORNER MOUNT ADAPTER

Made of AISI 316L electropolished stainless steel

Load rating: 50kg (110lb)

Suitable for MPXWBA and MHXWBS brackets

EXPT

EXPLOSIONS-PROOF INTEGRATED PAN&TILTS WITH CAMERA HOUSING

Solid anticorodal aluminium construction

Epoxypolyester powder painting, RAL7032

Horizontal range 360° with speed 6°/s, vertical range -90° / +90° with speed 2.4°/s

Housing built with the same characteristics as the EXHC

Version with device for the protection of the glass, EXPTD (Integrated housing with the same specifications as the EXHD)

IP66

Version available with reinforced housing heater 24Vac, P&T heater 24Vac and RAL7001 special painting for temperature applications down to -40℃ (-40°F) (mod. EXPTC033R, EXPTD035R)

A single pre-wired multi-core cable, 7,5m long, is included with the unit and comes out from the base of the P&T through a cable gland

Supplied with housing heater and preset. Sunshield and autopan available as options

Internal usable area (WxHxL): 100x100x280mm (3.9x3.9x11in)

Certificates:

ATEX
• Ⓔx II 2G Ex d IIC T6 Gb
• Ⓔx II 2D Ex t IIIC T85 ℃ Db IP66

IECEX
• Ex d IIC T6 Gb
• Ex t IIIC T85 ℃ Db IP66

GOST-R
• 1 Ex d IIC T6 Gb
• Ex tb IIIC T85℃ Db IP66

CNEX
• Ex d IIC T6 Gb
• DIP A21 TA T6
• Tamb: -20+50℃
• Tamb: -40+50℃ (when equipped with reinforced heater)

All updates on Certifications and Markings in www.videotec.com

EXPTC + EXPTS

EXPTD + EXPTS

427mm   571   560

EXPTC010G

EXPLOSION-PROOF P&T WITH HOUSING FOR THERMAL IMAGING CAMERAS

Solid anticorodal aluminium construction

Epoxypolyester powder painting, RAL7032

Germanium window

IP66

Housing supplied with heater. Sunshield as option

Certificates:

ATEX
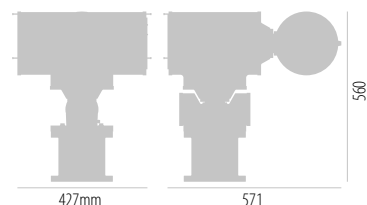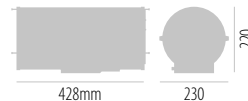• Ⓔx II 2G Ex d IIC T6 Gb
• Ⓔx II 2D Ex t IIIC T85 ℃ Db IP66

GOST-R
• 1 Ex d IIC T6 Gb
• Ex tb IIIC T85℃ Db IP66

All updates on Certifications and Markings in www.videotec.com

427mm   571   560

Side tabs: INTEGRATED POSITIONING UNITS | EXPLOSION-PROOF PRODUCTS | MARINE - STAINLESS STEEL PRODUCTS | CAMERA HOUSINGS | P&T MOTORS AND TELEMETRY | ILLUMINATORS | DIGITAL VIDEO SYSTEMS | VIDEO MANAGEMENT AND CONTROL | CAMERA BRACKETS

EXH

EXPLOSION-PROOF HOUSING

Solid anticorodal aluminium construction

Epoxypolyester powder painting, RAL7032

IP66

2 holes for cable glands 3/4" NPT

Version with device for the protection of the glass installed on the front of the housing (EXHD)

Version available with reinforced heater 24Vac and special painting RAL7001 for temperature application down to -40°C (-40°F) (mod.EXHC003R)

Supplied with heater. Sunshield as option.

Internal usable area (WxHxL): 100x100x280mm (3.9x3.9x11in)

Certificates:

ATEX
• ⟨Ex⟩ II 2G Ex d IIC T6 Gb
• ⟨Ex⟩ II 2D Ex t IIIC T85 °C Db IP66

IECEX
• Ex d IIC T6 Gb
• Ex t IIIC T85 °C Db IP66

GOST-R
• 1 Ex d IIC T6 Gb
• Ex tb IIIC T85°C Db IP66

CNEX
• Ex d IIC T6 Gb
• DIP A21 TA T6
• Tamb: -20+50°C
• Tamb: -40+50°C (when equipped with reinforced heater)

All updates on Certifications and Markings in www.videotec.com

IP66 PROTECTION **HEATING**

428mm   230   220

EXHC + EXHS

EXHD + EXHS

ATEX | **IECEx** | **PC** ГБ05 | **CNEX** 国家防爆

EXHC000G

EXPLOSION-PROOF HOUSING FOR THERMAL CAMERAS

Solid anticorodal aluminium construction

Epoxypolyester powder painting, RAL7032

Germanium window

IP66

Housing supplied with heater. Sunshield as option.

Certificates:

ATEX
• ⟨Ex⟩ II 2G Ex d IIC T6 Gb
• ⟨Ex⟩ II 2D Ex t IIIC T85 °C Db IP66

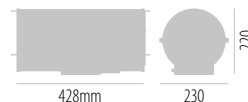GOST-R
• 1 Ex d IIC T6 Gb
• Ex tb IIIC T85°C Db IP66

All updates on Certifications and Markings in www.videotec.com

IP66 PROTECTION **THERMAL**

428mm   230   220

ATEX | **PC** ГБ05

BRACKETS AND ADAPTERS FOR EXPLOSION-PROOF PRODUCTS

EXPTWB BRACKET FOR EXPT EXPLOSION-PROOF PAN & TILT

Solid anticorodal aluminium construction

Epoxypolyester powder painting, RAL7032

Available version with RAL7001 special painting for low temperature application (EXPTWB00R)

Load rating: 100kg

Length: 676mm (26.6in)

EXWBJ BRACKET AND BALL JOINT FOR EXH EXPLOSION-PROOF HOUSING

Solid anticorodal aluminium construction

Epoxypolyester powder painting, RAL7032

Version available with RAL7001 special painting for low temperature applications (EXWBJ00R)

The EXBJ, alone, allows the column mount

Load rating: 35kg (77lb)

EXBJ000 BALL JOINT FOR THE COLUMN MOUNT OF EXH EXPLOSION-PROOF HOUSINGS

Solid anticorodal aluminium construction

Epoxypolyester powder painting, RAL7032

Available version with RAL7001 special painting for low temperature application (EXBJ00R)

EXPLOSION-PROOF TELEMETRY

EXDTRX

TELEMETRY RECEIVER FOR EXPTC AND EXPTD EXPLOSION-PROOF PAN & TILT

IP66
PROTECTION

17 functions, preset, glass protection device and alarm feature included

IP66

230Vac or 24Vac power supply

EXDTRX3 feeds the Pan & Tilt heater

4 holes for cable glands 3/4" NPT

Maintenance of configuration even in case of power loss

Up to 40 preset positions (MACRO protocol)

4 alarm inputs (prepositioning in case of alarm)

Preset Autotest functions

RS232, RS485 selectable communication

Compatible with protocol PELCO D

Certificates:

ATEX
- ⟨Ex⟩ II GD   Ex d IIC T6
                Ex tb IIIC T85°C
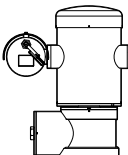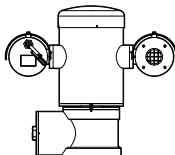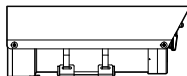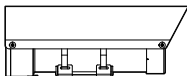
GOST-R
- 1 Ex d IIC T6
- DIP A21 Ta85°C Tamb -20/+40°C
- IP66

All updates on Certifications and Markings in www.videotec.com

ATEX   **ГБ05**

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS
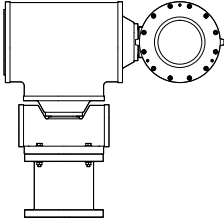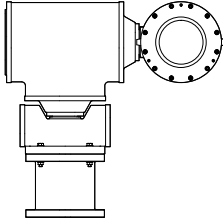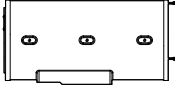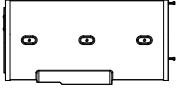
COMPARISON TABLE

	MAXIMUS		MAXIMUS	
	MPX	**MPXT**	**MHX**	**MHXT**
	Explosion-proof positioning unit with built-in Day/Night camera	Explosion-proof positioning unit with built-in Day/Night and thermal cameras	Explosion-proof stainless steel housing	Explosion-proof stainless steel housing for thermal cameras
Integrated Day/Night camera	36x, 28x zoom	36x, 28x zoom	10x zoom	–
Integrated thermal camera	–	✓	–	✓
Analog/IP	Analog or IP MPEG4	Analog or IP MPEG4	For analog or Network cameras	For analog or Network cameras
Variable speed	Pan/Tilt 0.1°÷100°/s		–	
Camera useful area (WxHxL)	–	–	80x82x245mm (3.1x3.2x9.6in)	
Integrated telemetry receiver	✓	✓	–	–
Preset Accuracy	0.02°		–	–
Glass protection device	–	–	–	–
Operating temperature	Min -40°C (40°F) - Max +60°C (140°F)		Min -40°C (40°F) - Max +60°C (140°F)	
OPTIONS				
Integrated wiper	✓	✓	✓	–
Germanium window for thermal cameras	–	✓	–	✓
CERTIFICATIONS				
ATEX	✓	✓	✓	✓
IECEX	✓	✓	✓	✓
GOST-R	✓	✓	–	–
CNEx	✓	✓	–	–
INMETRO	✓	✓	–	–
UL/cUL listed (only for 24Vac version)	✓	✓	–	–

Sidebar navigation: INTEGRATED POSITIONING UNITS | EXPLOSION-PROOF PRODUCTS | MARINE - STAINLESS STEEL PRODUCTS | CAMERA HOUSINGS | P&T MOTORS AND TELEMETRY | ILLUMINATORS | DIGITAL VIDEO SYSTEMS | VIDEO MANAGEMENT AND CONTROL | CAMERA BRACKETS

EXPLOSION-PROOF PRODUCTS

COMPARISON TABLE

	EX SERIES		EX SERIES	
	EXPT	**EXPT-G**	**EXH**	**EXH-G**
	Explosions-proof integrated Pan&tilts with camera housing	Explosion-proof P&T with housing for thermal imaging cameras	Explosion-proof housing	Explosion-proof housing for thermal cameras
Integrated Day/Night camera	–	–	–	–
Integrated thermal camera	–	–	–	–
Analog/IP	For analog cameras	For analog cameras	For analog or Network cameras	For analog or Network cameras
Variable speed	Pan 6°/s - Tilt 2.4°/s (velocità fissa)	–		
Camera useful area (WxHxL)	100x100x280mm (3.9x3.9x11in)		100x100x280mm (3.9x3.9x11in)	
Integrated telemetry receiver	EXDTRX		–	–
Preset Accuracy	–			
Glass protection device	–	✓	–	✓
Operating temperature	Min -20°C (-4°F)- Max +50°C (122°F)[1]	Min -20°C (-4°F)- Max +50°C (122°F)	Min -20°C (-4°F)- Max +50°C (122°F)[1]	Min -20°C (-4°F)- Max +50°C (122°F)
OPTIONS				
Integrated wiper	–	–	–	–
Germanium window for thermal cameras	–	✓	–	✓
CERTIFICATIONS				
ATEX	✓	✓	✓	✓
IECEX	✓	–	✓	–
GOST-R	✓	✓	✓	✓
CNEx	✓	–	✓	–
INMETRO	–	–	–	–
UL/cUL listed (only for 24Vac version)	–	–	–	–

[1] *Down to -40°C for versions with special painting and reinforced heater*

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

CAMERA BRACKETS

VIDEO MANAGEMENT AND CONTROL

DIGITAL VIDEO SYSTEMS

ILLUMINATORS

P&T MOTORS AND TELEMETRY

CAMERA HOUSINGS

MARINE - STAINLESS STEEL PRODUCTS

EXPLOSION-PROOF PRODUCTS

INTEGRATED POSITIONING UNITS

MARINE - STAINLESS STEEL PRODUCTS

The stainless steel products are designed to protect the cameras from particularly aggressive environmental conditions. Given the very severe specifications, the best materials available were used to make them, and each mechanical detail was carefully analyzed, obtaining products that are very reliable and resistant for industrial use and intense corrosion caused by sea salt. The range also offers some models designed to operate with thermal cameras.

NXPTZ

STAINLESS STEEL POSITIONING UNIT WITH INTEGRATED DAY/NIGHT CAMERA

Electropolished AISI 316L stainless steel

1 threaded hole 3/4" NPT for cable outlets

Variable speed: 0.1°-100°/s Pan and Tilt

Day/Night camera 36x or 28x
- True Progressive Scan
- High resolution: up to 550 TVLines
- Advanced image stabilizer (Stable Zoom Mode)
- Day/Night (Auto ICR: automatic removal of IR filter)
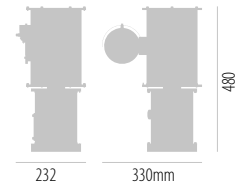
Integrated wiper

Zero backlash

Preset accuracy: 0.02°

IP66 PROTECTION | INTEGRATED CAM | WIPER

NEWS 2014

480 | 232 | 330mm

NXPTZ - CONFIGURATION OPTIONS

	VOLTAGE		DAY/NIGHT CAMERA						VIDEO OUTPUT		
NXPTZ	1	230Vac	P	Day/Night camera 36x optical zoom lens, PAL	V	With alarm board	W	With wiper	0	O Analog control mode	00A
	2	24Vac	Q	Day/Night camera 28x optical zoom lens, PAL							
	3	120Vac	N	Day/Night camera 36x optical zoom lens, NTSC							
			M	Day/Night camera 28x optical zoom lens, NTSC							

NXPTZT

STAINLESS STEEL POSITIONING UNIT WITH INTEGRATED DAY/NIGHT CAMERA AND THERMAL CAMERA

Electropolished AISI 316L stainless steel

1 threaded hole 3/4" NPT for cable outlets

Variable speed: 0.1°-100°/s Pan and Tilt

Dual independent video output

Thermal cameras:
- Sensor: Uncooled microbolometer (VOx)
- Lenses: 35mm or 25mm
- Resolution 320x256 or 640x512

Day/Night camera 36x or 28x
- True Progressive Scan
- High resolution: up to 550 TVLines
- Advanced image stabilizer (Stable Zoom Mode)
- Day/Night (Auto ICR: automatic removal of IR filter)

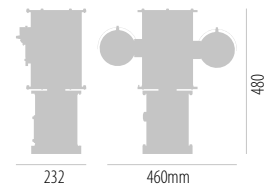Integrated wiper

Preset accuracy: 0.02°

IP66 PROTECTION | THERMAL | INTEGRATED CAM | WIPER

NEWS 2014

480 | 232 | 460mm

NXPTZT - CONFIGURATION OPTIONS

	VOLTAGE		DAY/NIGHT CAMERA		THERMAL CAMERA				VIDEO OUTPUT			THERMAL CAMERA FRAME RATE	
NXPTZT	1	230Vac	P	Day/Night camera 36x optical zoom lens, PAL	A	Thermal camera 35mm - 320x256	W	With wiper	0	O Analog control mode	00A	-	7.5-8.3Hz
	2	24Vac	Q	Day/Night camera 28x optical zoom lens, PAL	B	Thermal camera 25mm - 320x256						H	25-30Hz
	3	120Vac	N	Day/Night camera 36x optical zoom lens, NTSC	D	Thermal camera 35mm - 640x512							
			M	Day/Night camera 28x optical zoom lens, NTSC	E	Thermal camera 25mm - 640x512							

NTC
THERMAL CAMERA AND STAINLESS STEEL HOUSING

Made of AISI 316L electropolished stainless steel

IP66/IP67

Uncooled VOx microbolometer

Resolution 320x256 or 640x512 (PAL)

Sensitivity 50mK at F/1.0

Wide range of lenses with different focal length: 9mm, 13mm, 19mm, 25mm, 35mm, 50mm, 60mm

PAL/NTSC video output and RS422 serial control for remote camera configuration

Configuration through OSD

Germanium window

IP66 IP67 PROTECTION | INTEGRATED CAM | THERMAL
460mm | 182 | 164

NXM36
## HOUSING FOR INSTALLATION IN AGGRESSIVE ENVIRONMENTS

Made of AISI 316L electropolished stainless steel

IP66/IP68, submersible down to -40m (-130ft), equal to 4 BAR max pressure

Cylindrical body enclosed by two 6mm-thick circular flanges

2 PG13,5 cable glands nickel-plated brass for external connections

Available accessories: heater and double heater (for temperatures down to -40°C (-40°F), camera power supply, wiper and washer pump

Internal usable area (WxHxL): 88x86x342mm (3.5x3.4x13.5in)

IP66 IP68 PROTECTION | HEATING | WIPER
NEWS 2014
460mm | 184 | 164

NXM
HOUSING FOR INSTALLATION IN AGGRESSIVE ENVIRONMENTS

Made of AISI 316L electropolished stainless steel

IP66/IP68, submersible down to -50m (-164ft), equal to 5 BAR max pressure

Cylindrical body enclosed by two 9mm-thick circular flanges

2 PG13,5 cable glands nickel-plated brass for external connections

Available accessories: heater and double heater (for temperatures down to -40°C (-40°F), camera power supply, air barrier + air filtering group and washer pump

Internal usable area (WxHxL): 88x86x334mm (3.5x3.4x13.1in)

IP66 IP68 PROTECTION | HEATING | WIPER
460mm | 182 | 164
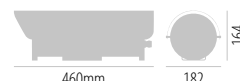
NTM
HOUSING FOR THERMAL CAMERAS IN AGGRESSIVE ENVIRONMENTS

Made of AISI 316L electropolished stainless steel

Germanium window

Cylindrical body enclosed by two 9mm-thick circular flanges

2 PG13,5 cable glands nickel-plated brass for external connections

IP66/IP67

Available accessories: heater and camera power supply

Internal usable area (WxHxL): 88x86x334mm (3.5x3.4x13.1in)

IP66 IP67 PROTECTION | THERMAL
460mm | 182 | 164

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

NXW
LIQUID-COOLED HOUSING

IP66 IP67 PROTECTION   COOLING

375mm 154 164

Made of AISI 316L electropolished stainless steel

Steel cylindrical chamber for internal circulation of cooling liquid linked to an external circuit
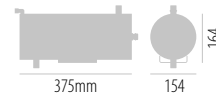
IP66/IP67

Supplied air barrier

2 PG13,5 cable glands nickel-plated brass for external connections

Available accessories: camera power supply, air filtering group for glass cleaning, tempered glass (max 290°C (554°F)) quartz glass (max 400°C (752°F)) infrared glass (max 290°C (554°F))

Internal usable area (WxHxL): 78x78x345mm (3.1x 3.1x13.6in)

NTW
LIQUID-COOLED HOUSING FOR THERMAL CAMERAS

IP66 IP67 PROTECTION THERMAL COOLING

375mm 154 164

Made of AISI 316L electropolished stainless steel

Steel cylindrical chamber for internal circulation of cooling liquid linked to an external circuit

Zinc-Selenium glass for thermal cameras, wavelength 7.5 - 14μm (up to 200°C/500°F)

Sapphire glass for shortwave thermal cameras, wavelength 0.75 – 4.5μm (up to 400°C/752°F)

Designed to operate in high temperature environments

IP66/IP67

Internal usable area (WxHxL): 78x78x345mm (3.1x 3.1x13.6in)
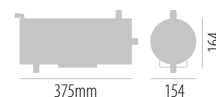
NXL
LARGE HOUSING FOR AGGRESSIVE ENVIRONMENTS

IP66 IP67 PROTECTION WIPER

720mm 228 211

Made of AISI 316L electropolished stainless steel

IP66/IP67

Cylindrical body enclosed by two circular flanges, 12mm (0.47in) thick the front flange and 9mm (0.35in) thick the back flange

4 PG13,5 cable glands nickel-plated brass for external connections

Available accessories: heater, camera power supply, wiper, washer pump

Internal usable area (WxHxL): 112x112x562mm (4.5x4.5x22.1in)

NTL
LARGE HOUSING FOR THERMAL CAMERAS

IP66 IP67 PROTECTION THERMAL

720mm 228 211

Made of AISI 316L electropolished stainless steel

Germanium window

For highly aggressive environments

IP66/IP67

Available with different window dimensions: Ø 55mm (2.1in), Ø 70mm (2.8in) and Ø 110mm (4.3in)

Available accessories: heater, camera power supply

Internal usable area (WxHxL): 112x112x562mm (4.5x4.5x22.1in)

STAINLESS STEEL POSITIONING UNITS

BRACKETS AND ADAPTERS FOR NXPTZ AND NXPTZT

MPXWBA WALL MOUNT

Made of AISI 316L electropolished stainless steel

Load rating: 40kg (88lb)

Length: 400mm (15.7in)

Can be coupled with modular MPXCW and MPXCOL components

MPXWBTA PARAPET OR CEILING MOUNTING BRACKET

Made of AISI 316L electropolished stainless steel

Load rating: 40kg (88lb)

Dimensions: Ø 238mm (9.4in)

NXCOL POLE MOUNT ADAPTER

Made of AISI 316L electropolished stainless steel

For pole diameters Ø 110-150mm (4.3-5.9in)

Load rating: 50kg (110lb)

NXCW CORNER MOUNT ADAPTER

Made of AISI 316L electropolished stainless steel

STAINLESS STEEL HOUSINGS

ACCESSORIES FOR STAINLESS STEEL HOUSINGS

ONXAB2 AIR BARRIER

Made of AISI 316L electropolished stainless steel

Suggested pressure: 1Bar

Supplied with NXW housing and optional on NXM

HEATING

Thermostatically controlled heating element PTC 20W or 40W (Ton <= 15℃; Toff >= 22℃)

Available in 12Vdc/24Vac voltage or 120/230Vac voltage

VIPNX WIPER FOR HOUSING

Made of AISI 316L electropolished stainless steel

IP66/IP67

Different voltages available, 230Vac or 24Vac, both 50/60Hz

Connector 3+1 poles, easy wiring harness

Easy installation on NXM36, NXM and NXL housings

NXFIGRU AIR FILTERING GROUP

To be combined with ONXAB2 air barrier to clean the air from oil and water particles, generally coming from the compressor

Filtering of particles with diameter higher than 0.2 micron

Operating pressure 0.3÷2.5 BAR

WAS - WASPT WASHER PUMP AND 5 OR 23 LITER TANK

Versions with delivery up to 5m (16ft), 11m (36ft), 30m (98ft)

Pump available in 230Vac, 24Vac and 120Vac (WASPT series, prearranged for DTWRX board for the remote control)

In the 11m (36ft) and 30m (98ft) delivery versions the lack of liquid in the tank is signalled following the automatic stop of the pump (except for 11m version of WAS series)

DTWRX TELEMETRY DATA RECEIVER FOR WIPER AND WASHER REMOTE CONTROL

Remote control of wiper and washer pump of WASPT series in stand-alone housings

RS485 communication

Remote controllable up to 1200m (3937ft) from the control keyboard

CAMERA POWER SUPPLY

It can be installed inside the housing

Available in different versions, 120/230Vac input and 24Vac/12Vdc output.

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

BRACKETS AND ADAPTERS FOR STAINLESS STEEL HOUSINGS

NXWBS1 WALL MOUNT

Made of AISI 316L electropolished stainless steel

Load rating: 45kg (99lb)

Available modular components: NXCOL and NXCW

Suitable for NTC, NXM36, NXM, NTM,
NXW and NTW housings

NXWBL WALL BRACKET FOR NXL HOUSING

Made of AISI 316L electropolished stainless steel

Load rating: 45kg (99lb)

Available modular components: NXCOL and NXCW

NXCOL POLE MOUNT ADAPTER

Made of AISI 316L electropolished stainless steel

For pole diameters Ø 110-150mm (4.3-5.9in)

Load rating: 50kg (110lb)

Suitable for NXWBS1, NXWBL
and NXWBPTH1 brackets

NXCW CORNER MOUNT ADAPTER

Made of AISI 316L electropolished stainless steel

STAINLESS STEEL PAN & TILT

NXPTH
STAINLESS STEEL PAN & TILT

Made of AISI 316L electropolished stainless steel

IP66/IP67

Horizontal fixed speed 5°/s, vertical fixed speed 3°/s

Max. load 40kg balanced (88lb)

Presets potentiometers

Versions 24Vac and 230Vac, 50/60Hz

Suitable for NXM36, NXM, NXL, NTM, NTL and NTC housings

IP66 IP67 PROTECTION

BRACKETS AND ADAPTERS FOR NXPTH

NXFWBT PARAPET MOUNTING BRACKET

Made of AISI 316L electropolished stainless steel

Load rating: 70kg (154lb)

Compatible with: NXWBPTH1 bracket

NXWBPTH1 WALL BRACKET FOR NXPTH

Made of AISI 316L electropolished stainless steel

Load rating: 70kg (154lb)

Compatible with NXCOL, NXCW and
NXFWBT modular components
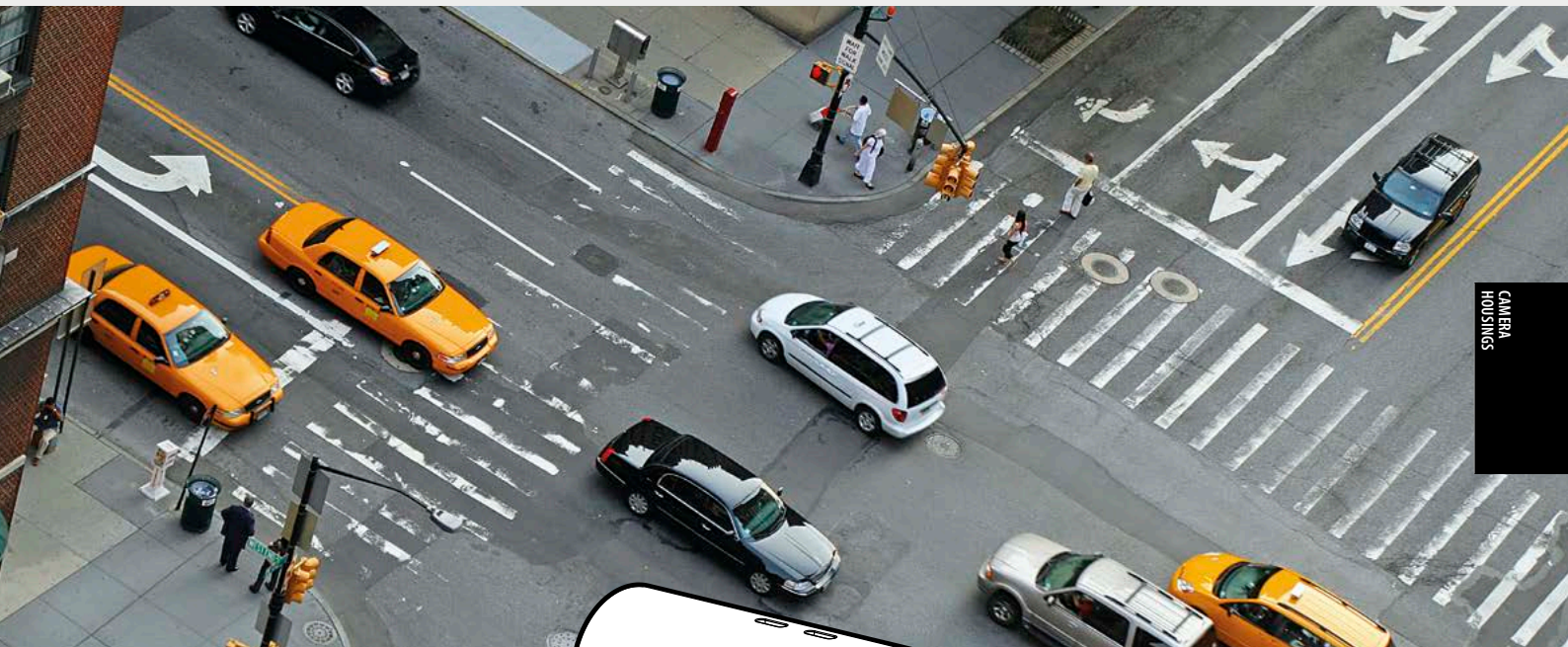
NXCOL POLE MOUNT ADAPTER

Made of AISI 316L electropolished stainless steel

For pole diameters Ø 110-150mm (4.3-5.9in)

Load rating: 50kg (110lb)
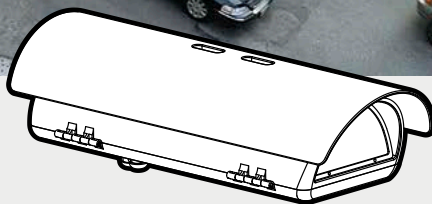
Suitable for NXWBS1, NXWBL
and NXWBPTH1 brackets

NXCW CORNER MOUNT ADAPTER

Made of AISI 316L electropolished stainless steel

CAMERA HOUSINGS

The Videotec housings have been produced using extrusions and die-castings in highest quality aluminium and innovative tecnopolymer materials. The care taken during their manufacture ensures maximum durability and reliability, further to an easy installation and service. The numerous available accessories, like heater, camera power supply, blower and air filter, wiper and washer can satisfy any installation requirement.

Sidebar: INTEGRATED POSITIONING UNITS / EXPLOSION-PROOF PRODUCTS / MARINE - STAINLESS STEEL PRODUCTS / CAMERA HOUSINGS / P&T MOTORS AND TELEMETRY / ILLUMINATORS / DIGITAL VIDEO SYSTEMS / VIDEO MANAGEMENT AND CONTROL / CAMERA BRACKETS

HOV
SIDE OPENING ALUMINIUM HOUSING

Made of aluminium and sunshield of ABS material

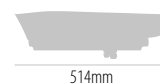IP66/IP67 (with cable glands or optional sealing rings)

Pre-arranged for internal cable management bracket

Version with a very efficient cooling system for installation with IP cameras and for high environmental temperature

Version with integrated wiper

Available accessories: heater, camera power supply, fan assisted heater, alarm tamper switch, washer pump

Internal usable area (WxHxL): 100x70x250mm (3.9x2.7x9.8in)

IP66 IP67 PROTECTION — **WIPER**

514mm — 176 — 131

HOV Hi-PoE IPM
ALUMINIUM HOUSING WITH IPM TECHNOLOGY FOR IP CAMERAS

IPM technology (Intelligent Power Management)

PoE / Hi-PoE power supply for heating, demisting, illuminator, fan and PoE network camera

Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus

Indoor / Outdoor

IP66/IP67 (with cable glands or optional sealing rings)

Special cable gland for a fast Ethernet connection/disconnection without cutting the RJ45 connector

Pre-arranged for internal cable management bracket

Version with fan with double air filter

Version with anti-icing heated glass

Pre-arranged to supply a GEKO IRH illuminator

Version with GEKO IRH illuminator and WBJA bracket (HOV32K2A960)

Internal usable area (WxHxL): 100x70x250mm (3.9x2.7x9.8in)

IP66 IP67 PROTECTION — **NETWORK FULL-IP**

514mm — 176 — 131

OHOVPOEIPM
KIT RETROFIT FOR IPM TECHNOLOGY ON HOV HOUSING

IPM technology (Intelligent Power Management)

PoE / Hi-PoE power supply for heating, demisting, illuminator, fan and PoE network camera

Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus

Hi-PoE IPM (INTELLIGENT POWER MANAGEMENT) MODULE

HTV
ALUMINIUM HOUSING FOR THERMAL CAMERAS

Germanium window

IP66/IP67 (with cable glands or optional sealing rings)

Pre-arranged for internal cable management bracket

Side opening, easy camera servicing

Available accessories: heater, camera power supply, alarm tamper switch

Internal usable area (WxHxL): 100x70x250mm (3.9x2.7x9.8in)

IP66 IP67 PROTECTION — THERMAL

514mm · 176 · 131
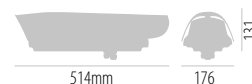
PUNTO
SIDE OPENING TECHNOPOLYMER HOUSING

IP66/IP67 (with cable glands or optional sealing rings)

Pre-arranged for internal cable management bracket

Suitable for a variety of combinations of cameras and lenses

Integrated heater

Available accessories: camera power supply

Internal usable area (WxHxL): 70x70x250mm (2.7x2.7x9.8in)

IP66 IP67 PROTECTION

391mm · 146 · 101

VERSO COMPACT
SIDE OPENING POLYCARBONATE COMPACT HOUSING

IP66/IP67 (with cable glands or optional sealing rings)

Vandalproof protection (IK10)

Pre-arranged for internal cable management bracket

Available accessories: heater, camera power supply, fan assisted heater

Internal usable area (WxHxL): 63x63x210mm (2.5x2.5x8.3in)

IP66 IP67 PROTECTION

400mm · 135 · 106

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

VERSO
SIDE OPENING POLYCARBONATE HOUSING

IP66/IP67 (with cable glands or optional sealing rings)

Vandalproof protection (IK10)

Pre-arranged for internal cable management bracket

Version with a very efficient cooling system for installation with IP cameras and for high environmental temperature

Available accessories: heater, camera power supply, fan assisted heater, washer pump

Internal usable area (WxHxL): 70x70x270mm (2.7x2.7x10.6in)

IP66 IP67 PROTECTION

466mm 156 113

VERSO Hi-PoE IPM
POLYCARBONATE HOUSING WITH IPM TECHNOLOGY FOR IP CAMERAS

IPM technology (Intelligent Power Management)

PoE / Hi-PoE power supply for heating, demisting, illuminator, fan and PoE network camera

Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus

Indoor / Outdoor

Vandalproof protection (IK10)

IP66/IP67 (with cable glands or optional sealing rings)

Special cable gland for a fast Ethernet connection/disconnection without cutting the RJ45 connector

Version with fan with double air filter

Pre-arranged to supply a GEKO IRH illuminator

Pre-arranged for internal cable management bracket

Internal usable area (WxHxL): 70x70x230mm (2.7x2.7x9.0in)

IP66 IP67 PROTECTION   **FULL-IP** NETWORK

466mm 156 113

OHPVPOEIPM
KIT RETROFIT WITH IPM TECHNOLOGY ON VERSO HOUSING

IPM technology (Intelligent Power Management)

PoE / Hi-PoE power supply for heating, demisting, illuminator, fan and PoE network camera

Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus

Hi-PoE IPM (INTELLIGENT POWER MANAGEMENT) MODULE

VERSO POLAR
HOUSING FOR EXTREMELY LOW TEMPERATURE

IP66 IP67 PROTECTION   ☀ HEATING

466mm   156   113

Hi-performance working down to -55°C (-67°F)

IP66/IP67 (with cable glands or optional sealing rings)

Vandalproof protection (IK10)

3 nickel-plated brass cable glands with standard bracket

Available accessories: camera power supply

Internal usable area (WxHxL): 70x70x270mm (2.7x2.7x10.6in)

HEK
ALUMINIUM AND THERMOPLASTIC HOUSING

IP66 IP67 PROTECTION

403/443mm   124   109

IP66/IP67 (with cable glands or optional sealing rings)

Pre-arranged for internal cable management bracket

Slide extractable body with hinged system

Versions with fan-assisted heater

Available accessories: heater and camera power supply

Internal usable area (WxHxL): 82x62x190mm (3.2x2.4x7.5in) (HEK26); 82x62x235mm (3.2x2.4x9.3in) (HEK30)

HEB
WEATHERPROOF CAMERA HOUSING

IP66 IP67 PROTECTION

410 / 470mm   144   135

IP66/IP67 (with cable glands or optional sealing rings)

Slide extractable body with hinged system

Pre-arranged for internal cable management bracket

Available accessories: heater, camera power supply, blower and air filter

Internal usable area (WxHxL): 90x85x190mm (3.5x3.3x7.5in) (HEB26); 90x85x250mm (3.5x3.3x9.5in) (HEB32)

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

HEG
LARGE-SIZED HOUSING

IP66 IP67 PROTECTION   WIPER   HEATING

493/590mm   175   168

For large lenses

IP66/IP67

Slide extractable body

Version available with a very efficient cooling system for installation with IP cameras and for high environmental temperature

Versions with reinforced double heater (down to -40°C(-40°F) or triple (down to -58°C)

Available accessories: heater, camera power supply, wiper, washer pump

Internal usable area (WxHxL): 134x88x273mm (5.1x3.5x10.7in) (HEG37); 134x88x363mm (5.1x3.5x14.3in) (HEG47)
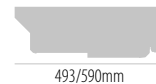
HTG
LARGE HOUSING FOR THERMAL CAMERAS

IP66 IP67 PROTECTION   THERMAL

493/590mm   175   168

Germanium window

IP66/IP67

Integrated heater

Available accessories: camera power supply

Internal usable area (WxHxL): 134x88x273mm (5.1x3.5x10.7in)
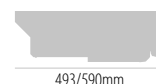
HGV
EXTRA LARGE-SIZED HOUSING

IP66 IP67 PROTECTION   HEATING   WIPER

A   B   B   A   256

736   278

Extra-large dimensions to fit the largest motorized zoom lenses

Base constructed from aluminium and top part of the body in robust ABS material

IP66/IP67

Removable top body with safety cord

Equipped as standard with camera power supply, reinforced triple heater with two continuous duty fans, wiper

Washer pump as option

Internal usable area (WxHxL):
- (A) 200x169x519mm (7.9x6.7x20.4in)
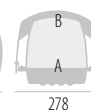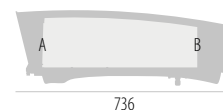- (B) 156x139x519mm (6.1x5.5x20.4in)

CAMERA HOUSINGS

ACCESSORIES COMPATIBILITY

	HOV	HTV	PUNTO	VERSO COMPACT	VERSO	VERSO POLAR	HEK	HEB	HEG	HTG	HGV
Heating	✓	✓	–	✓	✓	–	✓	✓	✓	–	–
Blower with air filter	–	–	–	–	✓	–	–	✓	–	–	–
Integrated power supply	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–
Weatherproof box	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera power supply in weatherproof box	–	–	–	–	✓	✓	–	–	✓	✓	–
Wiper	✓ [1]	–	–	–	–	–	–	–	✓	–	✓ [1]
Pump with tank	✓	–	–	–	–	–	–	–	✓	–	✓
Wiper/Washer control	✓	–	–	–	–	–	–	–	✓	–	✓
Heater fan-assistant blower, continuous duty	✓	–	–	✓	✓	–	–	–	–	–	–
Alarm tamper switch	✓	✓	–	–	✓	✓	–	–	–	–	–

[1] *Built-in.*

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

ACCESSORIES FOR CAMERA HOUSINGS

TAMPER SWITCH ON BOARD FOR HOUSING

With tamper proof screws and key

HEATING

Thermostatically controlled heating element PTC
20W or 40W (Ton <= 15°C; Toff >= 22°C)
Available in 12Vdc/24Vac voltage or 120/230Vac
voltage

OWBIP- SEALING RINGS

For cable management bracket
For WBOVA2 and WCM4A2 brackets
IP66/IP67

OHEGBB- WEATHERPROOF JUNCTION BOX

IP55
For housing of wiring harnesses or auxiliary boards

DTWRX TELEMETRY DATA RECEIVER FOR WIPER AND WASHER REMOTE CONTROL

Remote control of wiper and washer pump of
WASPT series in stand-alone housings
RS485 communication
Remote controllable up to 1200m (3937ft) from
the control keyboard

CAMERA POWER SUPPLY

It can be installed inside the housing
Available in different versions, 120/230Vac input
and 24Vac/12Vdc output.

BLOWER WITH AIR FILTER

With thermostatically controlled cooling blower
Ton >= 35°C (95°F); Toff <= 20°C (68°F) and filter
Available in 12Vdc, 24Vac and 230Vac versions

WAS - WASPT WASHER PUMP AND 5 OR 23 LITER TANK

Versions with delivery up to 5m (16ft), 11m (36ft),
30m (98ft)
Pump available in 230Vac, 24Vac and 120Vac
(WASPT series, prearranged for DTWRX board for
the remote control)
In the 11m (36ft) and 30m (98ft) delivery versions
the lack of liquid in the tank is signalled following
the automatic stop of the pump (except for 11m
version of WAS series)

VIP6A- WIPER FOR HEG

It can be directly installed on the housing body
Including the support for the washing pump
injector
Available in 24Vac and 230Vac, 7W max
For HEG housings series

CAMERA HOUSINGS

BRACKETS AND ADAPTERS FOR CAMERA HOUSINGS

WBJA WALL MOUNT

Made of aluminium

Fully adjustable swivel head

Load rating: 25kg (55lb)

WBMA WALL MOUNT

Made of aluminium

Fully adjustable swivel head

Load rating: 25kg (55lb)

WBOVA2 WALL MOUNT

Made of aluminium

Fully adjustable swivel head

Internal cable management

Load rating: 25kg (55lb)

The sealing rings OWBIP2 or OWBIP3 ensure an IP66 protection to the housing

WBOV3A2 WALL BRACKET WITH SUPPORT PLATE AND WEATHERPROOF JUNCTION BOX

Made of aluminium

Internal cable management directly to the box

Load rating: 25kg (55lb)

The sealing rings OWBIP2 or OWBIP3 ensure an IP66 protection to the housing

WBLA WALL BRACKET FOR HGV

Solid anticorodal aluminium construction

Load rating: 70kg (154lb)

WCM3A CEILING MOUNT

Made of aluminium

Fully adjustable swivel head

Load rating: 15kg / 33.5lb

WCM4A2 CEILING MOUNT

Made of aluminium tube

Internal cable management

Load rating: 15kg (33.5lb)

WCM5A CEILING MOUNT

Made of aluminium

Load rating: 15kg / 33.5lb

500mm (19in) linear extension available with WCMPA

WCMPA LINEAR EXTENSION FOR WCM4A2 AND WCM5A

It allows a 500mm (19in) extension

WFWCA PARAPET BRACKET

Made of aluminium

Fully adjustable swivel head

Load rating: 15kg / 33.5lb

Available extension through WFWBTA

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

BRACKETS AND ADAPTERS FOR CAMERA HOUSINGS

WSFPA POLE MOUNT ADAPTOR

Made of aluminium

It allows the internal cable management

Load rating: 30kg (66lb)

For pole diameters: 65÷110mm (2.6÷4.3in)

DBHWGC POLE MOUNT ADAPTOR

Made of steel

For pole diameters: 210÷225mm (8.3÷8.6in)

Load rating: 25kg (55lb)

WCWA CORNER MOUNT ADAPTER

Made of steel

Load rating: 30kg (66lb)

WCPA REINFORCING SUPPORT PLATE FOR POOR CONSISTENCY WALLS

Made of aluminium

Available with a supporting box
with internal cable channel

Load rating: 50kg (110lb)

HOUSINGS/BRACKETS COMPATIBILITY

BRACKET	WALL					CEILING			COLUMN
	WBLA	WBJA	WBMA	WBOVA2	WBOV3A2	WCM3A	WCM4A2	WCM5A	WFWCA
LENGTH	457MM (18IN)	285MM (11IN)	226MM (9IN)	201MM (8IN)	238MM (9.4IN)	300MM (11.8IN)	412MM (16.2IN)	412MM (16.2IN)	185MM (7.3IN)
HOV	–	✓	–	✓	✓	✓	✓	✓	✓
HTV	–	✓	–	✓	✓	✓	✓	✓	✓
PUNTO	–	✓	–	✓	✓	✓	✓	✓	✓
VERSO COMPACT	–	✓	✓	✓	✓	✓	✓	✓	✓
VERSO	–	✓	–	✓	✓	✓	✓	✓	✓
HEK	–	–	✓	✓	✓	✓	✓	✓	✓
HEB	–	✓	✓	✓	✓	✓	✓	✓	✓
HEG	–	✓	–	–	–	–	–	✓	✓
HTG	–	✓	–	–	–	–	–	✓	✓
HGV	✓	–	–	–	–	–	–	–	–

COMPATIBILITY BRACKETS/ADAPTERS

	HOUSING BRACKETS		
	WBJA	WBMA	WBOVA2
POLE MOUNT ADAPTOR			
WSFPA	✓	✓	✓
DBHWGC	✓	✓	✓
CORNER MOUNT ADAPTOR			
WCWA	✓	✓	✓
SUPPORT PLATE ADAPTOR			
WCPA	✓	✓	✓

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

MEDUSA
UNIVERSAL DOME HOUSING FOR DISCREET SURVEILLANCE

Patented top-opening system

Made of aluminium with bubble in acrylic

Indoor / Outdoor

Camera power supply included

IP66

Wall, ceiling or parapet application with cable management brackets

Universal internal adapter suitable for the most popular speed domes and network PTZ cameras on the market, like: AXIS, PANASONIC, SONY, JVC, CANON, ACTi, GRANDEYE, COMPRO TECHNOLOGIES, etc

Optional bubble in polycarbonate for vandal protection

Transparent or smoked bubble

Special adapter for several speed domes

Accessories: fan-assisted heater and reinforced heater for low temperatures

IP66 PROTECTION

HEATING

ø 351mm
335
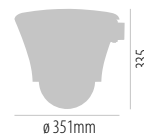
BRACKETS AND ADAPTERS FOR MEDUSA

DBH06 WALL BRACKET FOR MEDUSA DOME

Made of aluminium

Internal cable management

DBH07 CEILING/PARAPET BRACKET FOR MEDUSA DOME

Made of aluminium

Internal cable management

PTCC1 POLE MOUNT ADAPTOR

Made of aluminium

For pole diameters: 80÷150mm (3÷5.9in)

Load rating: 50kg (110lb)

WCWGC CORNER MOUNT ADAPTER

Made of steel

Load rating: 50kg (110lb)

DBHWGC POLE MOUNT ADAPTOR

Made of steel

For pole diameters: 210÷225mm (8.3÷8.6in)

Load rating: 25kg (55lb)

DSBH120
CEILING HOUSING FOR DISCREET SURVEILLANCE

Directly fixed to the ceiling or false ceilings

Diameter 120mm (4.7in)

Available in transparent or smoked glass

Aluminium construction with bubble in acrylic

Adjustable camera mounting bracket

ø 186mm
71

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

AVTPSC
COMPACT VANDAL RESISTANT CEILING HOUSING FOR INDOOR INSTALLATION

Vandal resistant acrylic glass 4mm (0.15in)

Impact resistance IK08 according to EN 62262

Compass opening by means of an universal lock

Made of steel, 1,5mm (0.6in) thick

Without external screws

Possibility of external connections by means of 2 cable glands or directly from the ceiling

Accessories available: thermostated heater and camera power supply

355mm   155   178

AVTPSK
VANDAL RESISTANT CEILING HOUSING FOR INDOOR INSTALLATION

Made of steel, 2,5mm (0.1in) thick

Vandal resistant glass 4mm (0.15in) in polycarbonate

Impact resistance IK10 according to EN 62262

Compass opening by means of a lock with individual or with universal key

Without external screws

Possibility of external connections by means of 3 glands or directly from the ceiling

Accessories available: thermostated heater, camera power supply and alarm tamper switch

387mm   187   178

ACCESSORIES FOR VANDAL RESISTANT HOUSINGS

CAMERA POWER SUPPLY

It can be installed inside the housing

Available in different versions, 120/230Vac input and 24Vac/12Vdc output.
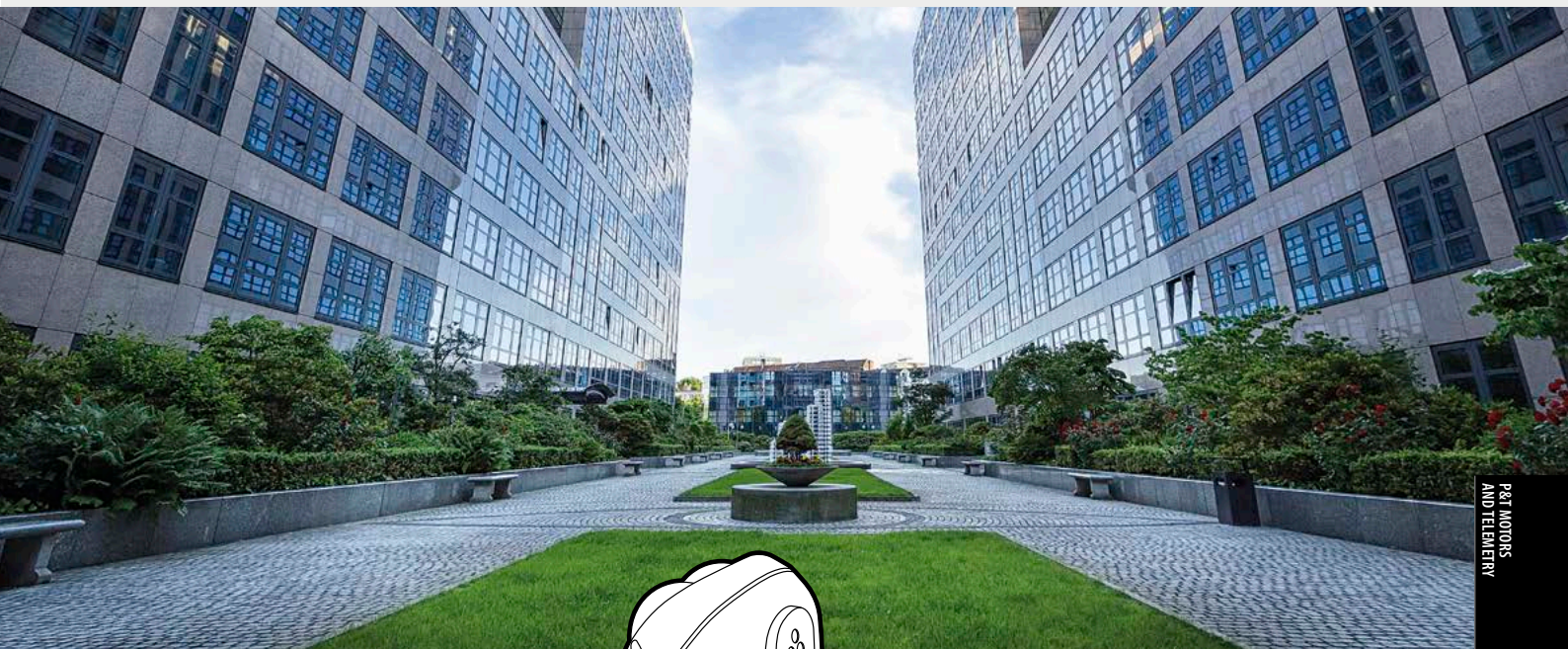
HEATING

It can be installed inside the housing

Available in different versions, 120/230Vac input and 24Vac/12Vdc output.

OAVTPSTA TAMPER SWITCH ON BOARD

With tamper proof screws and key

For AVTPSK housing

P&T MOTORS AND TELEMETRY

The outdoor Pan&Tilt devices are designed and tested for the use in the severest operation conditions and under continuous stress. For their remote control has been designed a range of telemetry receivers enabling the management of the Pan&Tilt and motorized lens functions.

PTH300
OUTDOOR PAN & TILT

Loads up to 12kg (26lb)

IP66

Optional preset

Made of aluminium

Standard autopan function

24Vac and 230Vac, 50/60Hz versions

Internally adjustable horizontal and vertical limit switches

Horizontal fixed speed 6°/s, vertical fixed speed 3°/s

IP66
PROTECTION

PTH355P
OUTDOOR VARIABLE SPEED PAN & TILT MOTOR

Loads up to 12kg (26lb)

IP66

DC motors: (0-24Vdc)

Made of aluminium

Controlled by the DTRXDC telemetry receiver

Preset function

Autopan function

Internally adjustable horizontal and vertical limit switches

Horizontal speed from 0 to 30°/s, vertical from 0 to 18°/s

IP66
PROTECTION

PTH900
STURDY OUTDOOR PAN & TILT MOTOR

Loads up to a 30kg (66lb)

IP66

Made of aluminium

Standard autopan function

Optional preset

24Vac and 230Vac, 50/60Hz versions

Internally adjustable horizontal and vertical limit switches

Horizontal fixed speed 6°/s, vertical fixed speed 3°/s

IP66
PROTECTION

CBZ
DESKTOP CONTROLLER FOR PAN & TILT AND ZOOM LENS

Direct connection and feeding to the Pan & Tilt motor

Control of Autopan function

Aluminium enclosure and polycarbonate membrane keyboard

Suitable for common ground or polarity inversion motor-driven zoom lenses, 6/12Vdc

Versions 24Vac and 230Vac, 50/60Hz

BRACKETS AND ADAPTERS FOR PAN & TILT MOTORS

PTAC WALL MOUNT FOR PTH300 SERIES
AND LIGHT DUTY P&T MOTORS

Made of aluminium

Load rating: 35kg (77lb)

PTBC WALL BRACKET FOR
PTH900 P&T MOTORS

Made of aluminium

Load rating: 50kg (110lb)

WFWBTA PARAPET BRACKET

Made of aluminium

Load rating: 50kg (110lb)

PTCC1 POLE MOUNT ADAPTOR

Made of aluminium

For pole diameters: 80÷150mm (3÷5.9in)

Load rating: 50kg (110lb)

WCWA CORNER MOUNT ADAPTER

Made of steel

Load rating: 30kg (66lb)

WSFPA POLE MOUNT ADAPTOR

Made of aluminium

It allows the internal cable management

Load rating: 30kg (66lb)

For pole diameters: 65÷110mm (2.6÷4.3in)

WCWGC CORNER MOUNT ADAPTER

Made of steel

Load rating: 50kg (110lb)

WCPA REINFORCING SUPPORT PLATE
FOR POOR CONSISTENCY WALLS

Made of aluminium

Available with a supporting box
with internal cable channel

Load rating: 50kg (110lb)

P&T/BRACKETS COMPATIBILITY

P&T MOTORS	WALL		COLUMN
BRACKET	PTAC	PTBC	WFWBTA
LENGTH	360MM (14.2IN)	458MM (18IN)	185MM (7.3IN)
PTH300	✓	–	✓
PTH355P	✓	–	✓
PTH900	–	✓	✓

COMPATIBILITY BRACKETS/ADAPTERS

	P&T BRACKETS	
	PTBC	PTAC
POLE MOUNT ADAPTOR		
WSFPA	–	✓
PTCC1	✓	–
CORNER MOUNT ADAPTOR		
WCWA	–	✓
WCWGC	✓	–
SUPPORT PLATE ADAPTOR		
WCPA	–	✓

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

DTRX3

DATA TELEMETRY RECEIVER, 17 FUNCTIONS

11 standard functions for the control of P & T motors and zoom lenses, 6 functions for auxiliary services telemetry data (2x dry contacts, 1x 12Vdc, 1x 24Vac, wiper and washer)

Maintenance of configuration even in case of power loss

RS232, RS485 selectable communication

Selection of the Pan & Tilt power supply (24Vac or 230Vac) and camera (12Vdc or 24Vac)

Up to 40 presets

4 alarm inputs, (preset in case of alarm)

Various telemetry protocols available

Available version 24Vac (DTRX324)

Operating temperature: -20°C + 50°C (-4°F up to 122°F)

DTMRX2

DATA TELEMETRY RECEIVER, 12 FUNCTIONS

11 standard functions for the control of Pan & Tilt motors and zoom lenses, 1 function for the control of one auxiliary service (dry contact)

RS232, RS485 selectable communication

Aux can be used for wiper operation

Various telemetry protocols available

Version 24Vac (DTMRX224)

Operating temperatures: -20°C / +50°C (-4°F / +122°F)

RS232, RS485 repeater for daisy chain configuration

DTRXDC

TELEMETRY DATA RECEIVER, 13 FUNCTIONS

For remote control of variable speed Pan & Tilt motor PTH355P and zoom lenses

13 functions (auxiliary functions 2xdry contacts)

14 presets

Up to 7 selectable speeds for autopan

RS232 and RS485 selectable communication

Various telemetry protocols available

DCRE485

SERIAL DATA DISTRIBUTOR

1 input, 8 serial outputs in RS485

Serial data back on eight outputs at the same time
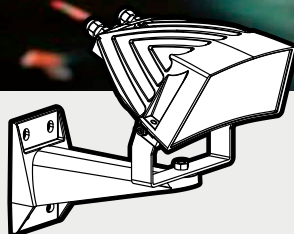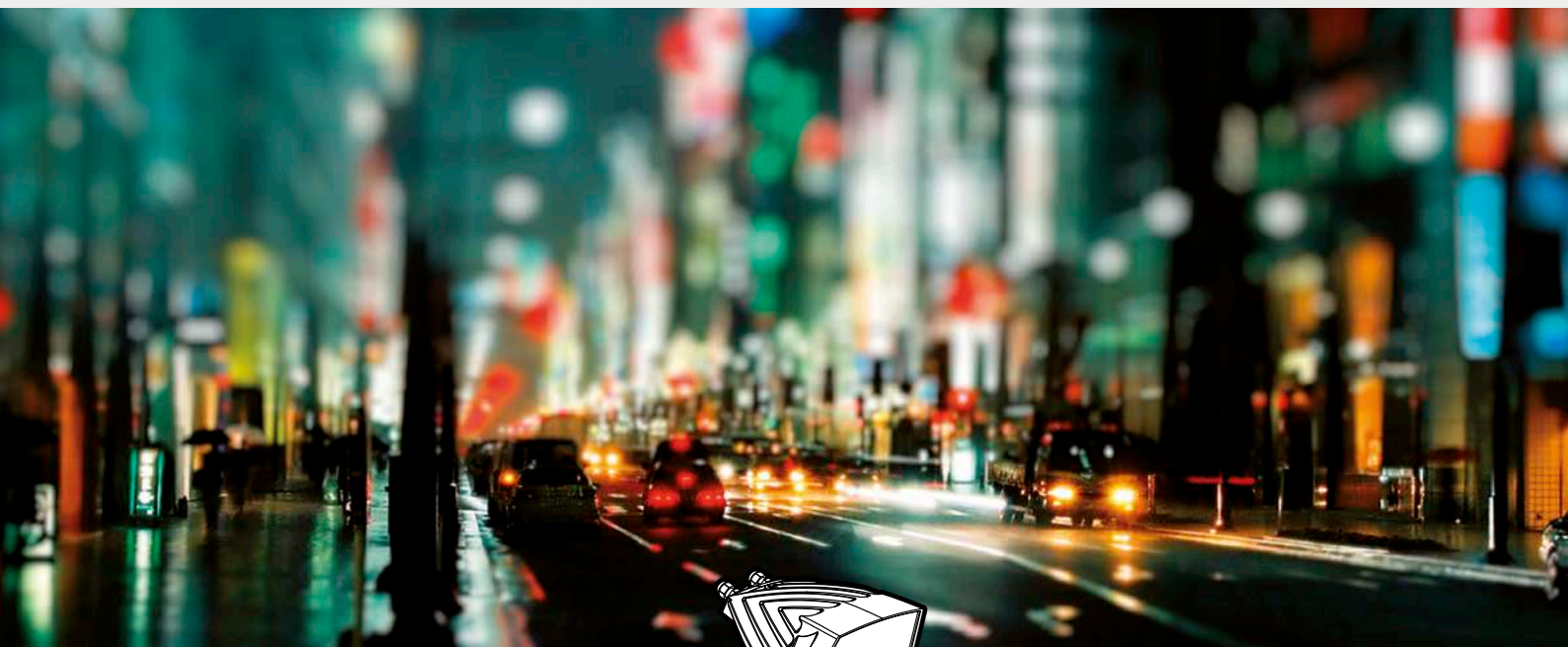
Max connection distance 1200m (3937ft)

DTWRX

TELEMETRY DATA RECEIVER FOR WIPER AND WASHER REMOTE CONTROL

Remote control of wiper and washer pump of WASPT series in stand-alone housings

RS485 communication

Remote controllable up to 1200m (3937ft) from the control keyboard

ILLUMINATORS

The wide range of illuminators for the night monitoring guarantees an excellent visual quality combined with a high energy efficiency and a substantial reduction of installation and maintenance costs. The GEKO illuminators can be used in combination with Standard Resolution and Megapixel cameras. The radiance produced by them lights up the whole scene equally, eliminating hotspots and underexposure for safe area surveillance.

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

GEKO IRH
LED ILLUMINATOR

High efficiency SMD LED

High efficiency heat sink body to ensure maximum LEDs durability

Strong aluminium structure

Beam pattern: 10°, 30°, 60°

Wavelengths: 850nm, 940nm and white light

Consumption: 6-12W

Adjustable built-in photocell

VOLT free relay contact for external activation

It can be mounted under a housing using the OSUPPIR bracket

Supplied with a wall-mount bracket

IP66/IP67

INFRARED

IP66 IP67 PROTECTION

GEKO IRH white light

HOV + OSUPPIR + GEKO IRH + WBJA

GEKO IRH - BEAM PATTERN AND ACHIEVABLE DISTANCES

HORIZONTAL/VERTICAL BEAM PATTERNS	WAVELENGTH 850NM, LOW POWER	WAVELENGTH 850NM, HIGH POWER	WAVELENGTH 940NM	WHITE LIGHT
10°	100m (328ft)	140m (460ft)	100m (328ft)	–
30°	60m (197ft)	84m (276ft)	60m (197ft)	60m (197ft)[1]
60°	40m (131ft)	56m (184ft)	40m (131ft)	40m (131ft)[1]

[1] *Achievable distances with camera in Day mode (colour image)*

The distances and the performance depend on the camera/lens used and on the environmental light conditions.

GEKO IRH ACCESSORIES

IRHPS POWER SUPPLY MODULE FOR GEKO IRH LED ILLUMINATOR

Power supply:
• IN 230Vac 50/60Hz OUT 24Vac 30W
• IN 120Vac 50/60Hz OUT 24Vac 30W

IP66/IP67

SUPPORTS AND ADAPTERS FOR GEKO

OSUPPIR BRACKET FOR 1 ILLUMINATOR

In aluminium, painted with epoxypolyester powder RAL9002

For PUNTO, VERSO, VERSO Compact, HOV and HEG housings

When installed under the PUNTO housing, this mount is compatible only in combination with WBJA or WBMA wall brackets

GEKO IRN
LED ILLUMINATOR

High efficiency heat sink body to ensure maximum LEDs durability

Strong aluminium structure

The illuminator is supplied in 24Vac/12-24Vdc or 90-240Vac

Beam patterns: 10°, 30°, 60°

Wavelengths: 850nm, 940nm and white light

Consumption: 30W

Adjustable light intensity

Adjustable built-in photocell

VOLT-free relay input for external activation

VOLT free relay output for Day/Night camera

Supplied with a wall-mount bracket

IP66/IP67

INFRARED **IP66 IP67 PROTECTION**

GEKO IRN 24Vac/12-24Vdc white light   GEKO IRN 24Vac/12-24Vdc

GEKO IRN - BEAM PATTERN AND ACHIEVABLE DISTANCES FOR ONE ILLUMINATOR

HORIZONTAL/VERTICAL BEAM PATTERNS	850NM	940NM	WHITE LIGHT
10˚	240m (787ft)	140m (460ft)	–
30˚	130m (427ft)	80m (262ft)	120m (393ft)[1]
60˚	80m (262ft)	60m (197ft)	90m (295ft)[1]

[1] *Achievable distances with camera in Day mode (colour image)*

The distances and the performance depend on the camera/lens used and on the environmental light conditions.

CAMERA
BRACKETS

VIDEO MANAGEMENT
AND CONTROL

DIGITAL VIDEO
SYSTEMS

ILLUMINATORS

P&T MOTORS
AND TELEMETRY

CAMERA
HOUSINGS

MARINE - STAINLESS STEEL
PRODUCTS

EXPLOSION-PROOF
PRODUCTS

INTEGRATED
POSITIONING UNITS

DIGITAL VIDEO SYSTEMS

ALBERT is a distributed intelligence system that is based on the cooperation among units combined with a cutting edge movement analysis system. ALBERT is ideal for outdoor perimeter surveillance systems and all applications where it may be necessary to achieve simultaneous monitoring of a number of events, where operators are required to check a large number of cameras. The ALBERT system is Milestone supported.

ALBERT

ENCODER FOR VIDEO CONTENT ANALYSIS AND SMART SYSTEM MANAGEMENT

Advanced Event Detector

Cooperation between ALBERTs units

Distributed recording system

Self-adaptive algorithms

Drag'n'drop set-up

3D calibration of the camera

PTZ and ULISSE units control

Supported by Milestone Xprotect® Suite

H264, full D1, 30 fps

Resolution and frame rate adjustable

Integration in third party software

Hard Disk H.264 recording (optional)

Multiple streams, adaptive frame rate

Two-way audio

Alarm inputs and relay outputs

SD Secure Digital Slot

Accessory: USB-RS485 converter for PC connection of DCJ control keyboard
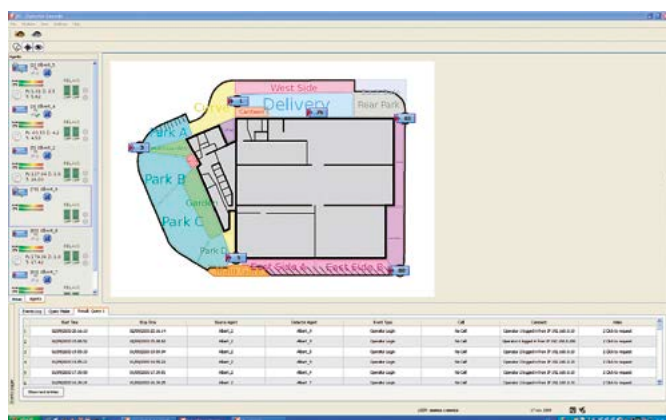
Software in action showing views and event log bar.
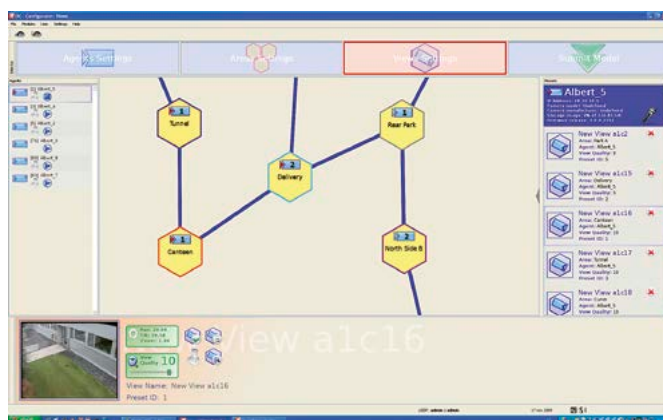
Preset settings. Association of cameras to areas of interest with easy drag and drop.
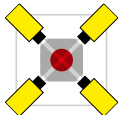
artificial intelligence *optimization*
video content analysis
cooperation *event detection*
edge

albert
intelligent video armonia.

TARGET

CAMERA

ALBERT
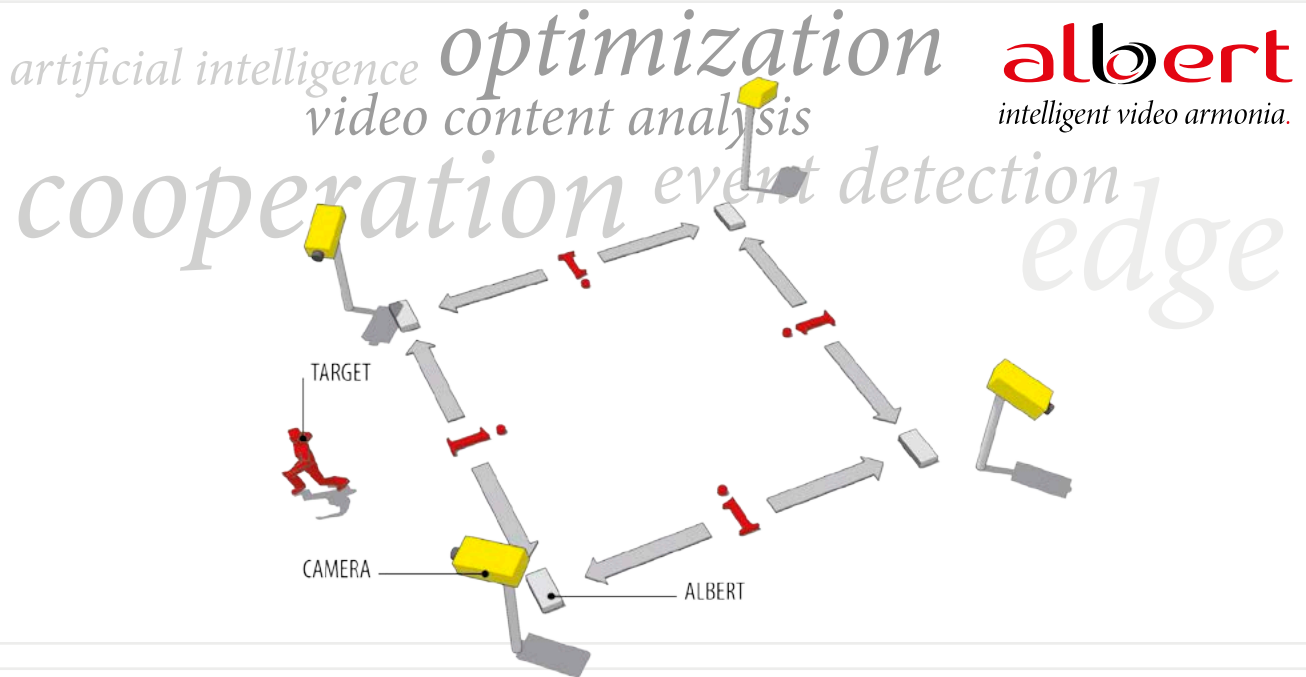
KEY FEATURES

- **ASSISTED NAVIGATION**
 Proposes alternative live views of the event, to provide more perspectives and a better view.

- **FOCUS ON THE ALARMED AREA**
  When a unit detects an event it will send a priority message to the other units. At this point, all the available units will swiftly focus their cameras on the alarmed area.
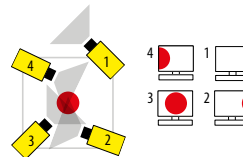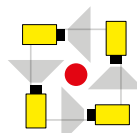
- **AUTOMATIC RECORDING**
  The adjacent cameras will automatically record a number of films of the same event, providing alternative images from a variety of perspectives.
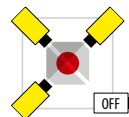
- **REDUNDANT SYSTEM**
  If any unit is tampered with, the adjacent cameras will cover the area of the redundant unit until it has been repaired.

- **INTELLIGENT PATROLLING**
  The units cooperate to achieve optimal cover of the areas, reducing the superimposing of cameras during patrolling.

CAMERA   TARGET (AREA EVENT)   STREAMING VIDEO

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INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

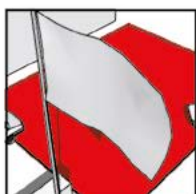# EVENT DETECTION

- **NO FALSE ALARM IN CASE OF:**

MOVEMENT OF LEAVES

SHADOW VARIATIONS

LIGHT / WEATHER VARIATIONS
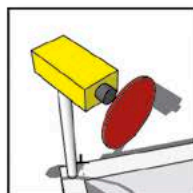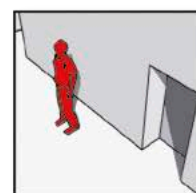
FLOATING OBJECT MOVEMENTS

VCA RULES

- **IN ADDITION TO THE SELF-ADAPTING DETECTION OF EVENTS, THE USER CAN ESTABLISH A SERIES OF RULES, SUCH AS:**
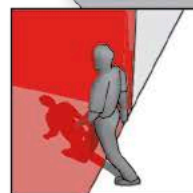
CAMERA TAMPERING

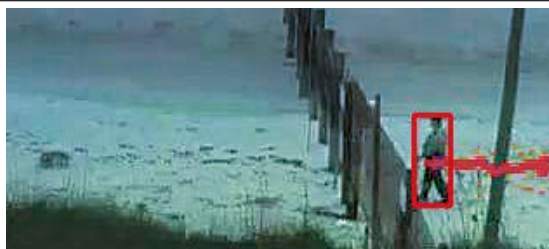PROLONGUED PRESENCE INSIDE AN AREA
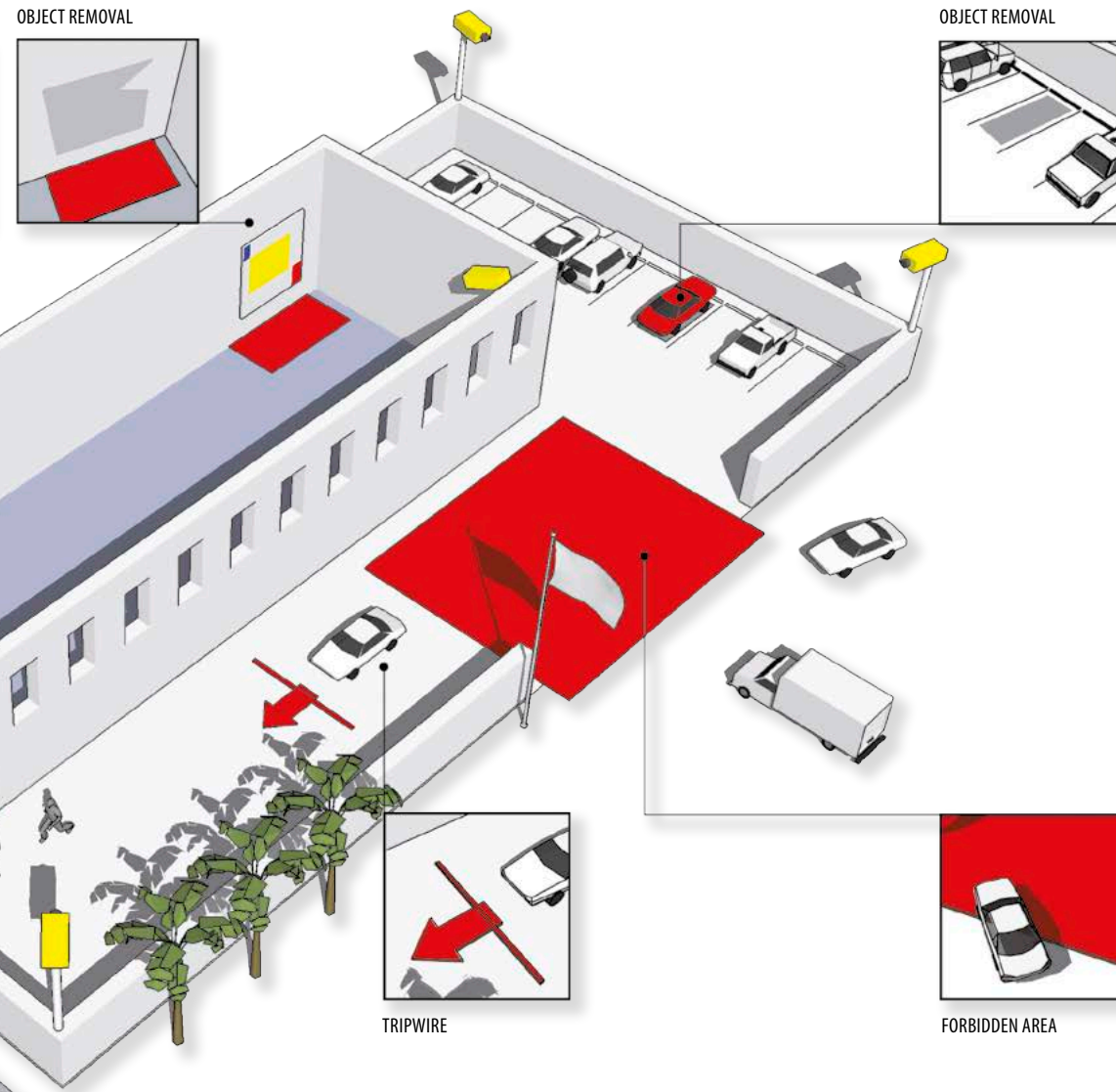
VIRTUAL FENCE

EVENT DETECTION: SCREENSHOT SAMPLES

NIGHT-VISION PARKING: FORBIDDEN AREA / INTRUSION.

THE NATURAL WATER MOTION IS CONSIDERED NORMAL, AND IT DOES NOT GIVE ANY FALSE ALARM.

TRAFFIC ROAD: TRIPWIRE.

albert
intelligent video armonia.

OBJECT REMOVAL

OBJECT REMOVAL

TRIPWIRE

FORBIDDEN AREA

SEARCH FOR "VIDEOTEC ALBERT" ON YouTube Broadcast Yourself ™

INTEGRATED POSITIONING UNITS

EXPLOSION-PROOF PRODUCTS

MARINE - STAINLESS STEEL PRODUCTS

CAMERA HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

DIGITAL VIDEO SYSTEMS

VIDEO MANAGEMENT AND CONTROL

CAMERA BRACKETS

CAMERA BRACKETS

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VIDEO MANAGEMENT AND CONTROL

The line includes a series of devices for the management and transmission of videos. The control keyboards are designed to offer the best solution from the small to the large systems. Our keyboards control a wide range of switching devices and most of the speed domes and PTZ available on the market. In addition, the product range includes video transmitters/receivers over twisted pair cable for video signals over long distances.

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DCZ

UNIVERSAL KEYBOARD FOR MANAGING CCTV APPLICATIONS FROM PC

USB keyboard for managing CCTV applications, with joystick and jog shuttle

Functions determined by the controlled application

Customizable features

The user can easily personalize and print several pre-cut sheets supplied for this purpose

The keyboard can be turned round so that both right- and left-handed users can use all the functions with ease

HID Game Controller emulation for the use with the most important VMS (Avigilon Control Center, Ganz-VsoIP, Exacq Vision, Milestone XProtect®, Genetec Omnicast 4.2, Mirasys-DVMS, Seetec ProBox, Sony-Real Shot Manager, Luxriot DVR)*

Functionality may be limited depending on the VMS used.

DCJ

VIDEO AND TELEMETRY CONTROL KEYBOARD

Three axis proportional joystick

Control of all Videotec matrix

Communications:
- RS485 serial communication with video matrix and multiplexer
- 2 RS485 independent telemetry lines
- RS232 serial communication connection with PC for firmware update

Direct control or through Videotec matrix series SM of third parties products

Up to 9999 video channels, 999 telemetry receivers on each telemetry line and 99 monitors

More than 40 protocols supported

DCTEL

MATRIX AND TELEMETRY CONTROL KEYBOARD

Suitable for SM82A, SM164B matrix and telemetry receivers

Control of video switching, sequences and alarm reset

Telemetry control through matrix or directly by RS485 dedicated serial output

Normally fed by SM82A, SM164B matrix

2 outputs for RS485 serial communication (1 for matrix control, 1 for telemetry indepdent control)

Both PELCO D and ENEO Protocols are supported

USB485

USB TO RS485 CONVERTER

Suitable for connecting a DCJ Keyboard to a PC

USB 1.1 - 2.0 Full Speed compliant

No external power supply

ESD, EFT, Lighting protection at USB and RS485 Data line

Transmission speed up to 115.2 Kbps

Driver supports: Windows Server 2008 / Windows Server 2008 x64 / Windows Vista / Windows Vista x64 / Windows Server 2003 / Windows Server 2003 x64 / Windows XP / Windows XP x64 / Windows 2000

SM328B
SYSTEM VIDEO MATRIX PAL/NTSC

32 video inputs (composite PAL/NTSC 1Vpp) with video loss detection

8 video outputs (composite PAL/NTSC 1Vpp) with OSD character (free text, date and time)

32 alarm inputs, 8 relay outputs,1 buzzer

Day/night sequences (32-step each) for each monitor

Aux A can be used to connect more SM328B matrix in Master/Slaves or Parallel systems

Privacy video masking function

4 RS485 keyboard inputs RJ11 connectors (max 8 keyboards)

2 Aux RS485 lines output to control telemetry and other third parties devices

VCR Trigger input to connect a time lapse VCR

On alarm: actions on monitors (sequences and cameras) and on telemetry (scan on home positions or patrol)

Camera exclusion feature if the monitor is used in public places

SM164B
SYSTEM VIDEO MATRIX PAL/NTSC

16 video inputs

4 independent video outputs with text generator

Telemetry over the coax on the 16 video inputs and on auxiliary serial output (RS485)

Controllable by PC (RS232)

16 alarm inputs, one output contact, trigger VCR and alarm reset

4 RS485 serial inputs for max 4 remote keyboards

Privacy video masking function

Camera exclusion feature if the monitor is used in public places

SM82A
SMALL VIDEO MATRIX PAL/NTSC

8 inputs

2 independent video outputs

Telemetry over the coax on the 8 video inputs and on auxiliary serial output (RS485)

8 alarm inputs, 1 output contact, VCR trigger and alarm reset

15 keys local keypad

2 RS485 serial inputs for max 2 remote keyboards

Privacy video masking function

Camera exclusion feature if the monitor is used in public places

VD
VIDEO SIGNAL DISTRIBUTOR AMPLIFIER

Versions with 1, 4, 8 inputs and 8, 16 outputs

For color or B/W video signals

The input signal is amplified and distributed to the available outputs

By means of VD816PR1 and VD48P1 versions, it is possible to select how many outputs can be associated to a video input

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COMPATIBILITY TELEMETRY/RECEIVERS AND P&T

	DCTEL	DCJ
Max receivers	16	999 [1]
Autopan / Preset	✓	✓
Patrol	–	✓
TELEMETRY RECEIVER/P&T		
ULISSE COMPACT, ULISSE COMPACT THERMAL, ULISSE, ULISSE PLUS, ULISSE MAXI, MAXIMUS MPX, MAXIMUS MPXT	✓	✓
DTRXDC	–	✓
DTRX3	✓	✓
DTMRX	✓	✓
DTMRX24	✓	✓

[1] On each telemetry line.

COMPATIBLE PROTOCOLS/KEYBOARDS AND MATRIX

PRODUCTS	PROTOCOLS [1]	MATRIX [2]	
		DCJ	SM328B
Dome	BOSCH	HW INTFC [3]	–
	ELBEX	✓	–
	ERNITEC	✓	–
	HITRON	✓	✓
	JVC	✓	–
	PANASONIC	✓	–
	PELCO	✓	✓
	SAMSUNG	✓	–
	SANYO	–	–
	SENSORMATIC	✓	–
Telemetry receiver	ENEO	✓	✓

[1] Please contact our customer service for the complete list of supported protocols.

[2] Meaning control by DCJ keyboard through serial port RS485 of matrix SM series. Because DCJ may be interfaced with equipment not manufactured by Videotec, the possibility exists that the interface protocols have changed or are in a different configuration from earlier tested units from us. Videotec recommends a bench test prior to installation. Videotec will not be liable for any installation costs or lost revenues in the event a compatibility problem.

[3] HW INTFC Hardware Interface needed: RS485/RS232 adapter RS232/BIPHASE converter (Bosch mod.LTC8786).

VIDEO SWITCHING/CONTROL KEYBOARDS COMPATIBILITY

	SM82A	SM164B	SM328B
Max video inputs	8	16	32
Max video outputs	2	4	8
Max operators	2 (+ 1 locally)	4	8
Max alarms	8	16	32
Telemetry	RS485	RS485	RS485
KEYBOARDS			
DCTEL	✓	✓	–
DCJ	✓	✓	✓

TWM2
SMALL ACTIVE TWISTED-PAIR VIDEO TRANSMITTER

Transmission of B/W or color video signal

Dimensions with BNC (connector not included): 40x25x63mm (1.57x0.98x2.5in)

Protected from ground loops and over voltage

Maximum distance to the receiver: up to 1500m (4900ft) for colour video signal, up to 2000m (6900ft) for B/W with UTP cat.5 cable

TWT2
OUTDOOR ACTIVE TWISTED PAIR VIDEO TRANSMITTER

Transmission of B/W or color video signal

Small IP56 weatherproof box

Maximum distance to the receiver: up to 1500m (4900ft) for colour video signal, up to 2000m (6900ft) for B/W with UTP cat.5 cable

Protected from ground loops and over voltage

Available version 230Vac (mod. TWT2A)

TWRB2
OUTDOOR TWISTED-PAIR VIDEO RECEIVER

Reception of B/W or color video signal

Small IP56 weatherproof box

Maximum distance to the transmitter: up to 1500m (4900ft) for colour video signal, up to 2000m (6900ft) for B/W with UTP cat.5 cable

Protected from ground loops and over voltage

Available version 230Vac (mod. TWRB2A)

Available version in standard Europe rack (TWRR2)

TWRR2
TWISTED-PAIR RACK VERSION VIDEO RECEIVER

Europe standard board

Same technical feature of the TWRB2

Maximum distance to the transmitter: up to 1500m (4900ft) for colour video signal, up to 2000m (6900ft) for B/W with UTP cat.5 cable

Protected from ground loops and over voltage

TWRC1
RACK BOX FOR TWRR2 CARDS

Up to max 14 TWRR2

19" rack, 3HE

Power supply included

13-place rack case with closing plates for unused places

CAMERA BRACKETS

A reliable solution even for the simplest indoor installation of any type of camera. These sturdy brackets don't fear the wear and are extremely flexible, as can be installed and adapted to any kind of surface.

INTEGRATED POSITIONING UNITS

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WBCAA
WALL AND CEILING MOUNT

Made of alluminium, color RAL9002

Load rating: 5kg/11lb

Length: 170mm (6.7in)

Environment: Indoor / Outdoor

WBCLA
WALL AND CEILING MOUNT

Made of tecnopolymer material

Load rating: 3kg (6.6lb)

Length: 173mm (6.8in)

Adjustment and fixing by only one bolt

WBCV
SERIES OF WALL AND CEILING BRACKETS

Made of aluminium with a nylon base

Load rating: 2kg (4.4lb)

Length: 80, 140, 190mm (3.1, 5.5 and 7.4in)

50mm (1.9in) optional extension (WBCP5A)

Adjustment and locking by manually adjustable ring

WBCD
SERIES OF WALL AND CEILING BRACKETS

Made of aluminium with swivel and nylon base

Load rating: 1kg (2.2lb)

Length: 80, 140, 190mm (3.1, 5.5 and 7.4in)

50mm (1.9in) optional extension (WBCP5A)

Adjustment and fixing by only one bolt

LXBKC1

WALL AND CEILING MOUNT

In fiberglass reinforced nylon, black color

Load rating: 1kg (2.2lb)

Length: 100mm

Fully adjustable swivel head

LXBKC2

WALL AND CEILING EXTENSIBLE MOUNT

In fiberglass reinforced nylon, black color

Load rating: 2kg (4.4lb)

Extensible length: from 125mm to 190mm (from 4.9in to 7.5in)

Fully adjustable swivel head

LXBKC3

LONG EXTENSIBLE CEILING BRACKET

Made of steel and fiberglass reinforced nylon, black color

Load rating: 1Kg

Extensible length: from 750mm to 900mm

Fully adjustable swivel head

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