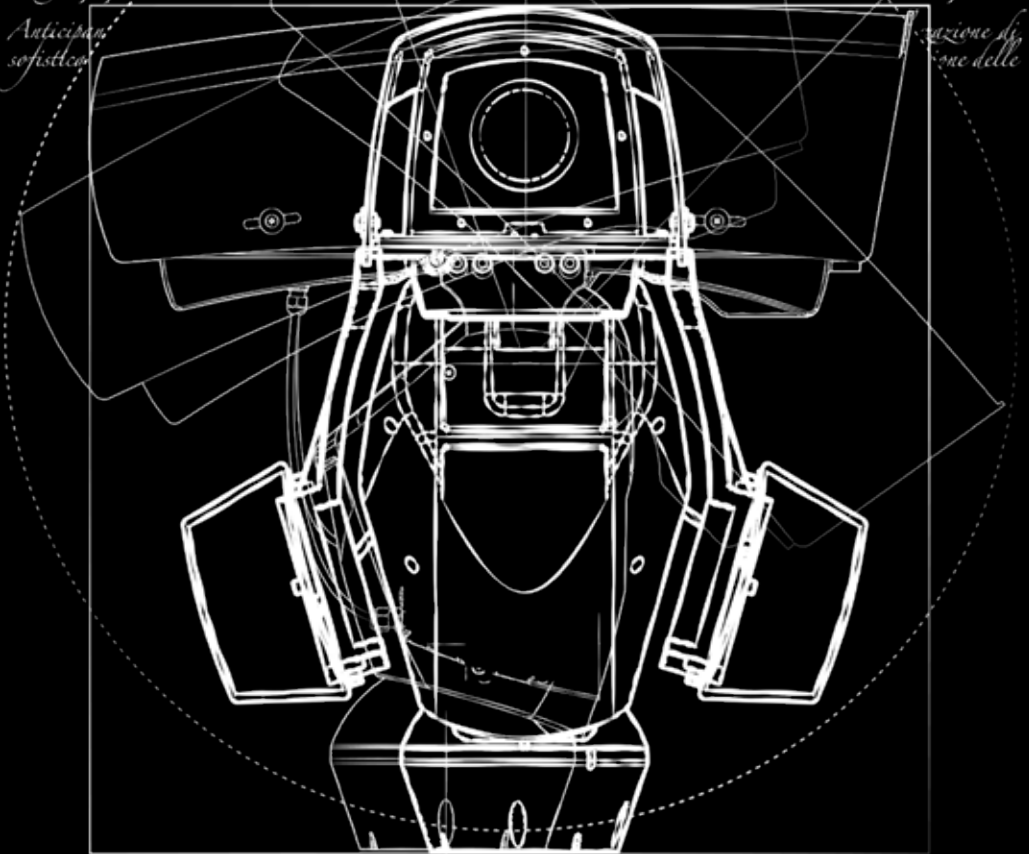




*Dal 1986 Videotec progetta e realizza prodotti di alta qualità per il mercato professionale della videosorveglianza. Nel corso degli anni, grazie ad un'attenta e costante ricerca tecnologica e di mercato, un team di giovani manager preparati e motivati, ha trasformato una piccola azienda in uno dei fornitori di prodotti per la sorveglianza video leader nel panorama mondiale. Anticipando il mercato in continua evoluzione, Videotec si è nel tempo focalizzata nella realizzazione di sofisticati prodotti, sempre più integrati e tecnologicamente avanzati, per la gestione e protezione delle telecamere di sicurezza, sia analogiche che IP per il monitoraggio negli ambienti più critici. Videotec è ricca di innovazione, opportunità, strategie a lungo termine. Dal 1986 Videotec progetta e realizza prodotti per la videosorveglianza. Nel corso degli anni, un team di giovani manager preparati e motivati ha trasformato una piccola azienda in uno dei fornitori di prodotti per la videosorveglianza leader nel panorama mondiale.*



*Videotec S.p.A. Ulisse Radical*

*Siamo un'azienda innovativa e unica, nel suo continuo sforzo di raggiungere l'ultima frontiera tecnologica e contribuire alla soddisfazione e alla crescita dei nostri clienti. I nostri prodotti sono una perfetta sintesi di alte performance, facilità d'installazione, lunga durata e design. L'ampia gamma include sistemi fissi e PTZ integrati, gestibili da remoto, per la protezione, movimentazione ed il controllo delle telecamere di sicurezza in ogni tipo di ambiente esterno; illuminatori per la sorveglianza notturna; matrici video e tastiere di controllo; dispositivi per l'analisi intelligente del segnale video. La connettività dei nostri prodotti si basa su architettura multiprotocollo per analogico e IP per l'integrazione in un sistema network con dispositivi di terze parti, garantendo il più alto grado di protezione e una perfetta consapevolezza e controllo situazionale. La qualità Videotec è garantita dalla certificazione ISO 9001:2008.*

# CATALOGUE 2016

## VIDEO SECURITY PRODUCTS

The logo features a large '30' in a bold, sans-serif font. The '3' is solid black, while the '0' is a light grey gradient. The word 'YEARS' is written in red, uppercase letters across the middle of the second '0'. Below this, the words 'OF INNOVATION' are in bold black uppercase letters, and '1986 - 2016' is in a smaller black font.

**30** YEARS  
**OF INNOVATION**  
1986 - 2016

**DOCCTEN1601**  
**Catalogue 2016 / Revision 1601**

January 2016. All previous catalogues are herewith obsolete.

The information can't be either completely or partly reproduced, modified or recorded in a filing system and transmitted in any shape or with any electronic, mechanical or recording means, without the written permission of Videotec S.p.A. Specifications are subject to change without notice. Weights and dimensions are indicative.

### **VIDEOTEC: A LONG HISTORY OF SUCCESSES**

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

### **MISSION AND VALUES**

As a unique firm built to shape and enhance a select market, we strive relentlessly to boost our clients' growth and satisfaction with incessant efforts to cultivate our team's expertise, professionalism, and creativity. Thanks to our focus on clients' prosperity and well-being, all of us are better off.

Ambition Intelligence Creativity Excellence

### **QUALITY PRODUCTS**

We are an innovative and a unique company in our continuous effort to achieve the ultimate technology, and our clients' growth and satisfaction. Our products are the perfect synthesis of high performance, ease of installation, durability, robustness and attention to design. Videotec is an ISO 9001:2008 company.

### **PATENTED INNOVATION**

Videotec owns 19 international patents, and most of them have brought great benefits to the world of CCTV. Videotec's aim is to continue leading the market, anticipating its demands, projecting ourselves towards the future of new technologies with a considerable effort paid to research and development.

### **FIELDS OF APPLICATIONS**

We have a strong presence in several vertical markets with prestigious references, such as transportation and traffic, maritime, offshore and onshore oil & gas, energy industry and critical infrastructure. The field of use of our broad product range is extremely vast: traffic control, urban surveillance, government applications, public and private facilities, commercial businesses, prisons, stadiums and border control. We have a strong presence in special industries such as offshore/onshore Oil & Gas industry, marine and harbour applications, environments with high temperatures or particularly severe climatic conditions.

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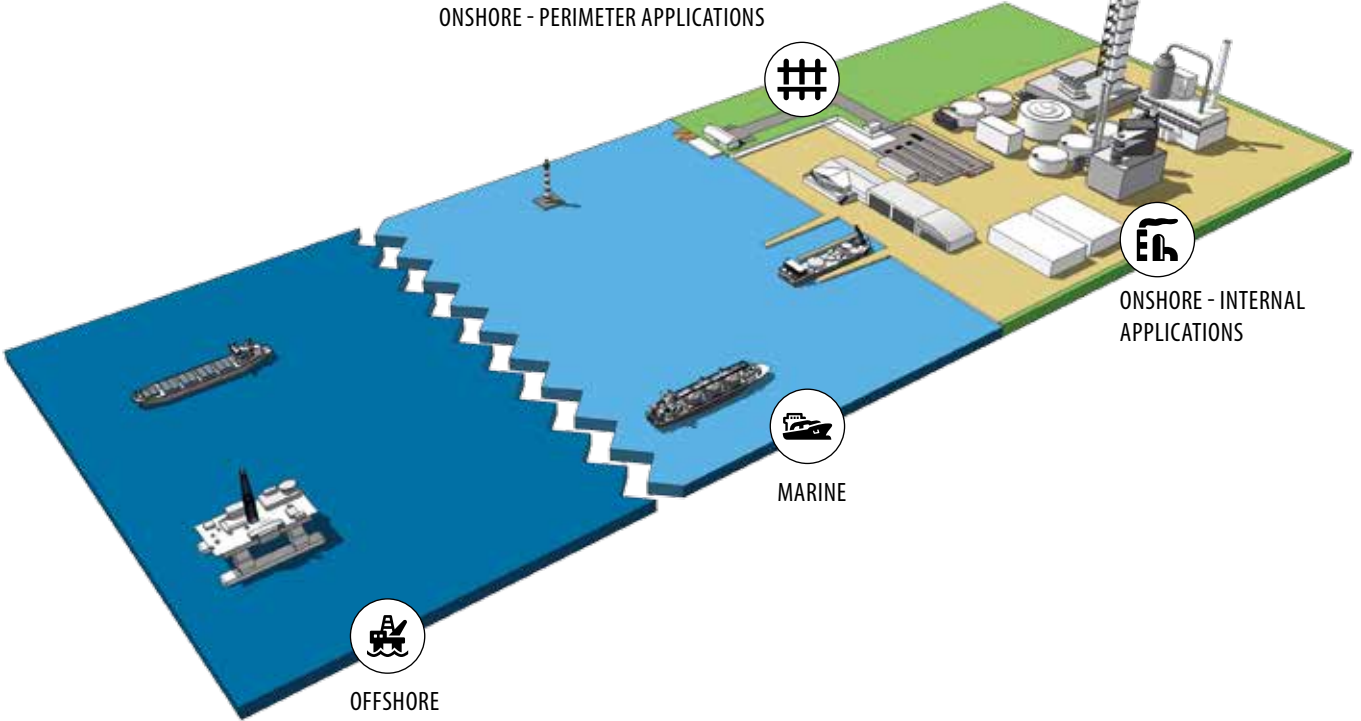
**77**

CAMERA BRACKETS

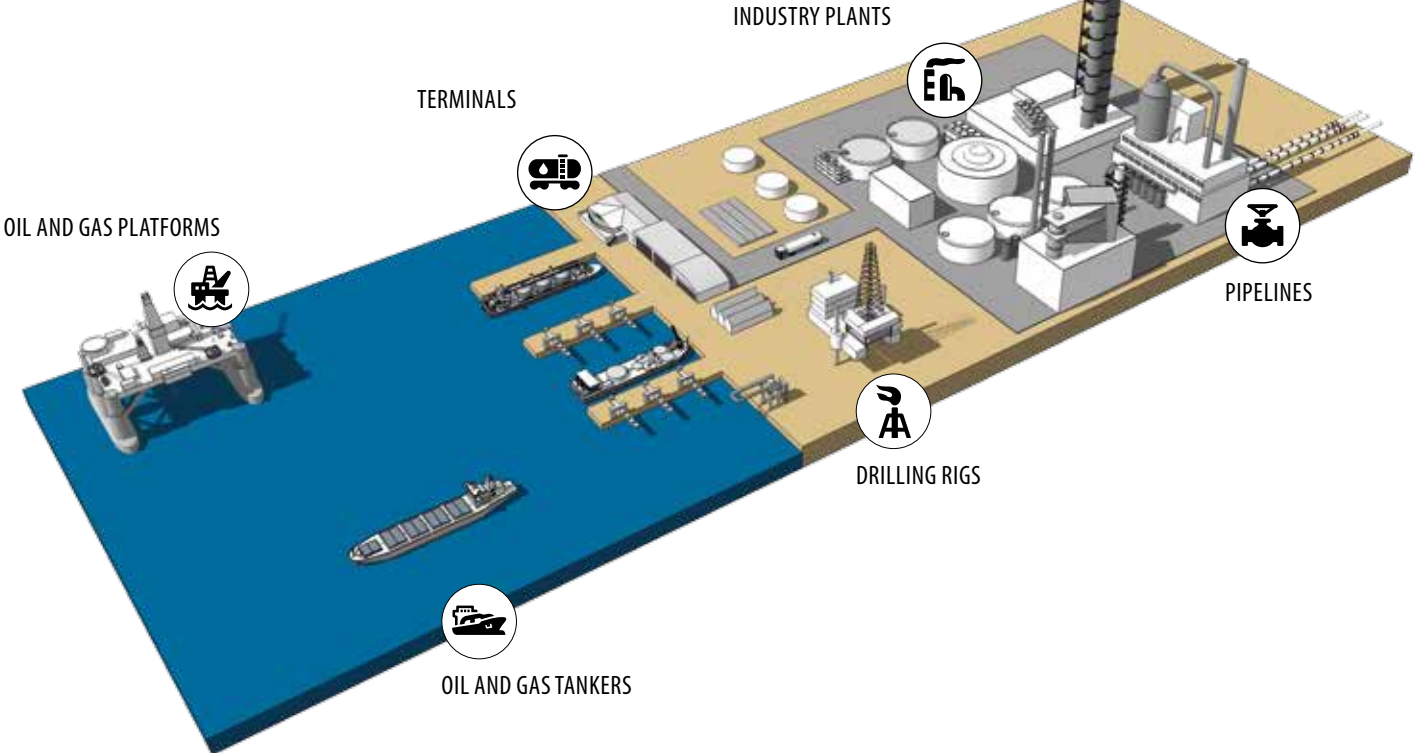


# MARKETS

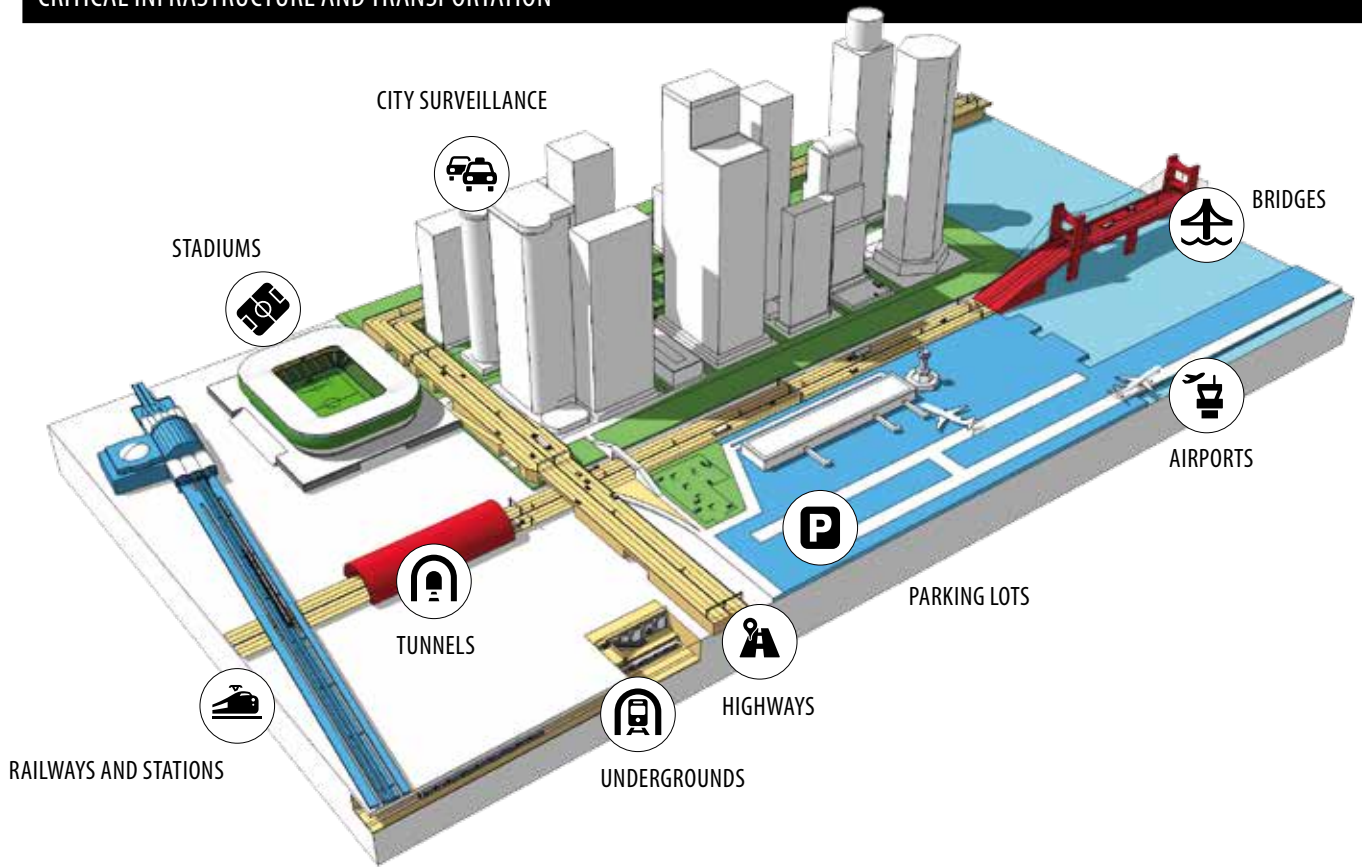
## MARINE ONSHORE OFFSHORE



## OIL AND GAS



# CRITICAL INFRASTRUCTURE AND TRANSPORTATION







# PTZ CAMERAS AND UNITS

## PTZ CAMERAS AND PTZ UNITS

PTZ ULISSE cameras and units are the best solution for any type of dynamic outdoor video surveillance application. The accurate and sturdy construction ensures high speed and accurate target detection in any type of environmental condition, with zero maintenance. The wide range includes open IP or analogue architectural models, with a choice of Full HD, day/night and thermal integrated cameras. On the other hand, PTZ units without a camera offer the advantage of managing any type of camera, also network or thermal vision combined with lenses of any dimension, from compact to extra large, thanks to the different sizes of housing, thus solving every installation requirement.



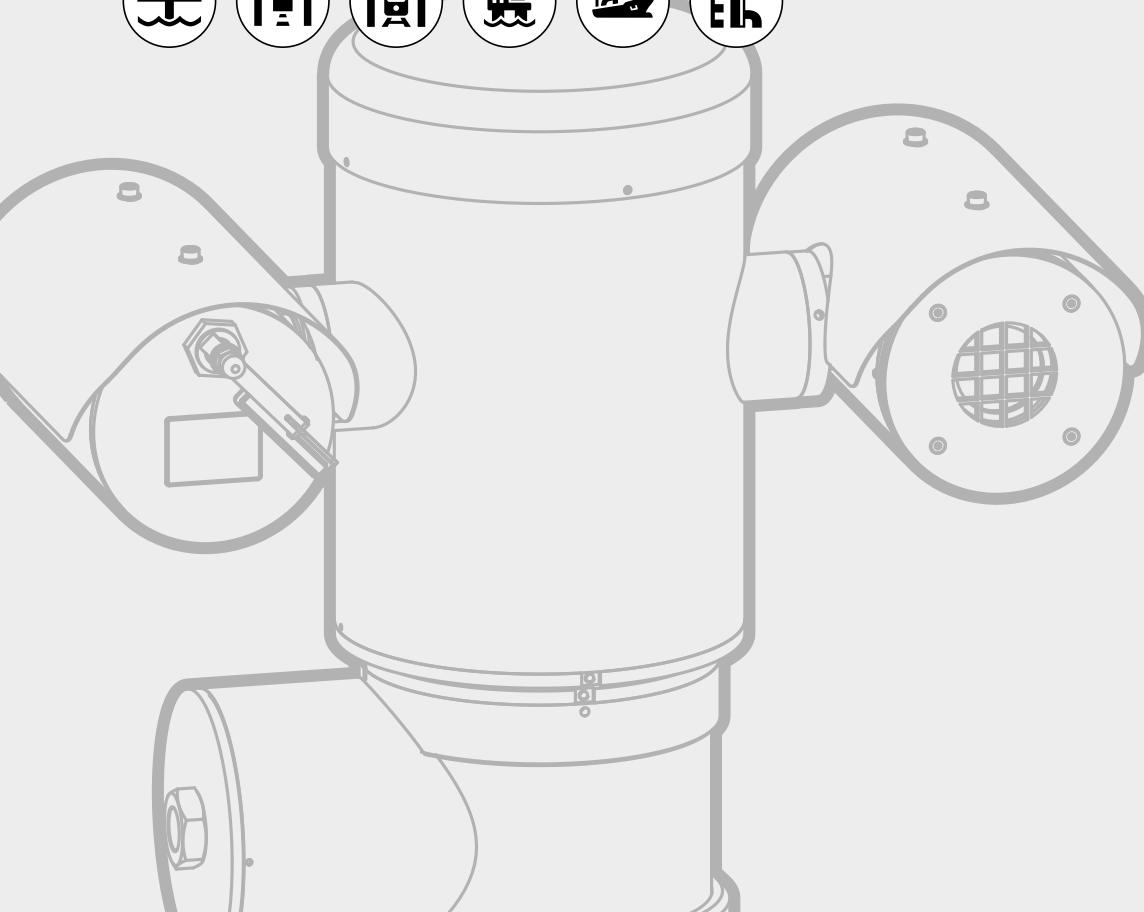
## EX-PROOF PTZ CAMERAS AND UNITS

The explosion-proof cameras and PTZ units have been certified and designed to meet strict standards regarding installation in potentially explosive environments, given the presence of gas and flammable dusts. The wide range ensures excellent performance for monitoring critical processes and are thus the perfect video surveillance solutions for chemical, oil and gas industries. Their sturdiness and zero maintenance make these products suitable for use in extreme environmental conditions and offer a level of quality beyond any expectations.



## STAINLESS STEEL PTZ CAMERAS

The stainless steel PTZ cameras are designed for particularly corrosive environments. Given the very strict specifications, for their construction are used the best materials and every mechanical detail is carefully analyzed, thus obtaining reliable marine PTZ camera and industrial PTZ camera solutions. The range also offers several models with integrated thermal cameras.



# ULISSE RADICAL RANGE

High-performance PTZ cameras, ready to use for the most demanding outdoor applications.



Made in Italy, since 1986

# ULISSE RADICAL

## TOP PERFORMANCE LONG RANGE HD PTZ CAMERA



PTZ unit with factory-assembled and pre-configured camera and lens up to 500mm

Minimum Illumination, Colour (ICR-OFF):

- zoom 18x: 0.08lx, 50 IRE F2.5, 1/30s
- zoom 33x: 0.1lx, 50 IRE F3.0, 1/30s

Minimum Illumination, B/W (ICR-ON):

- zoom 18x: 0.06lx, 50 IRE F2.5, 1/30s
- zoom 33x: 0.07lx, 50 IRE F3.0, 1/30s

IR corrected lens

Advanced Auto Focus system

Thermal Compensation System and Visible Cut Filter

Pre-wired camera and lens through snap-on connector for easy installation and maintenance

Total control of the auxiliary functions through the Videotec PTZ ASSISTANT

Horizontal continuous rotation

Optical sensors for absolute positioning feedback

Position accuracy: 0.02°

Up to 250 Presets

Integrated wiper

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

Power supply: 230Vac, 24Vac or 120Vac



ULISSE RADICAL 18x + 2 UPTIRN

ULISSE RADICAL 33x

### Ulisse Radical 33x



Recognition 9 km / 5.592 miles

Identification 5.9 km / 3.666 miles

### Ulisse Radical 18x



Recognition 5.5 km / 3.418 miles

Identification 3.5 km / 2.175 miles

PERFORMANCES ACCORDING TO JOHNSON'S CRITERIA

### AVAILABLE MODELS

MODEL NUMBER	230VAC	24VAC	120VAC	CAMERA FULL HD 60FPS SENSOR CMOS 1/2"	18X ZOOM LENS	33X LENS (THERMAL COMPENSATION AND VISIBLE CUT FILTER)	WIPER	BRACKETS FOR UPTIRN (ILLUMINATORS NOT INCLUDED)	ONVIF PROTOCOL, PROFILE S
UPK1QAWAN00A	✓	-	-	✓	✓	-	✓	-	✓
UPK1QEWAN00A	✓	-	-	✓	-	✓	✓	-	✓
UPK2QAJAN00A	-	✓	-	✓	✓	-	✓	✓	✓
UPK2QEJAN00A	-	✓	-	✓	-	✓	✓	✓	✓
UPK3QAWAN00A	-	-	✓	✓	✓	-	✓	-	✓
UPK3QEWAN00A	-	-	✓	✓	-	✓	✓	-	✓

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

# ULISSE RADICAL THERMAL

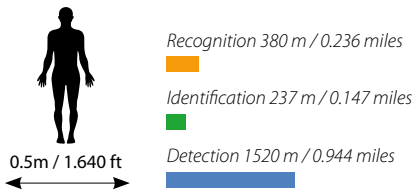
## THERMAL PTZ CAMERA WITH UP TO 24X CONTINUOUS ZOOM



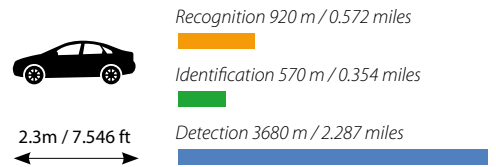
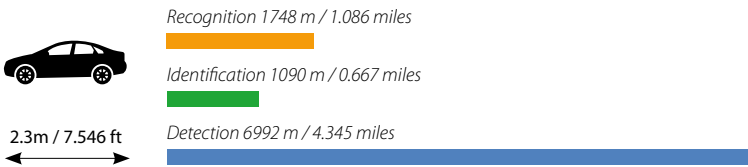
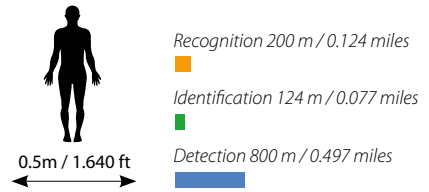
PTZ unit with factory-assembled and pre-configured thermal camera and lens  
 Continuous zoom lens, 3x thermal optics, 35-105mm, and digital zoom up to 8x for 24x total zoom  
 Sensor: Uncooled Microbolometer (VOx), 17µm pixel dimension  
 Resolution 336x256 or 640x512, 7.5-8.3Hz or 25-30Hz  
 Analog or IP (ONVIF S) versions  
 Advanced Auto Focus system  
 Advanced Thermographic Function (STR, Spot Temperature Reading)  
 DDE, Digital Detail Enhancement  
 Dynamic adjustment of contrast (ACE, Active Contrast Enhancement)  
 Pre-wired camera and lens through snap-on connector for easy installation and maintenance  
 Total control of the auxiliary functions through the Videotec PTZ ASSISTANT (IP based version)  
 Horizontal continuous rotation up to 100°/sec  
 Position accuracy: 0.02°  
 Up to 250 Presets  
 Operating temperature: -40°C / +65°C (-40°F / +149°F)  
 Power supply: 230Vac, 24Vac or 120Vac



Ulisse Radical Thermal 640x512



Ulisse Radical Thermal 336x256



PERFORMANCES ACCORDING TO JOHNSON'S CRITERIA

### ULISSE RADICAL THERMAL - CONFIGURATION OPTIONS

	VOLTAGE	THERMAL CAMERA	LENS			VIDEO OUTPUT	FREQUENCY
UPKT	1 230Vac	A 640X512 pixel	F Thermal zoom 3x	S	A	O Analog control	OOA - 7.5-8.3Hz
	2 24Vac	B 336x256 pixel				N IP H.264/AVC control, Protocol ONVIF Profile S	H 25-30Hz
	3 120Vac						

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

# ULISSE COMPACT HD

OUTDOOR FULL HD PTZ CAMERA FOR DETAILED IMAGES AND HIGH-PERFORMANCE



- Camera Full HD 1080p, 30x, 60 frames per second (fps)
- Minimum Illumination:
  - Colour: 1.4lx, F1.6 AGC on, 1/30s 50 IRE (Normal mode)
  - Colour: 0.35lx, F1.6 AGC on, 1/30s, 50 IRE (High Sensitivity mode)
  - B/W: 0.05lx, F1.6 AGC on, 1/30s, 50 IRE (Normal mode)
  - B/W: 0.013lx, F1.6 AGC on, 1/30s, 50 IRE (High sensitivity mode)
- Video compression H.264/AVC and MJPEG
- Certified ONVIF, Profile S
- Day/Night (Auto ICR: automatic removal of IR filter)
- De-fog feature
- Up to 4 simultaneous video streams
- 1 alarm input and 1 relay output
- Variable speed: 0.1°-200°/s Pan/Tilt
- Horizontal continuous rotation, vertical -90°/+90°
- Position accuracy: 0.05°
- Up to 250 Presets
- Integrated wiper
- Total control of the auxiliary functions through the Videotec PTZ ASSISTANT
- Operating temperature: -40°C / +60°C (-40°F / +140°F)
- Power supply: 230Vac, 24Vac or 120Vac
- OPTIONS:**
- LED illuminator

**30x ZOOM**



ULISSE COMPACT HD + LED illuminator

## ULISSE COMPACT HD - CONFIGURATION OPTIONS

	VOLTAGE	CAMERA	OPTIONS		VIDEO OUTPUT	
<b>UCHD</b>	<b>1</b> 230Vac	<b>F</b> Day/Night camera 30X zoom, FullHD	<b>W</b> With wiper, 1 input, 1 output	<b>A</b>	<b>Z</b> Compression H.264/AVC, ONVIF protocol, Profile S	<b>00A</b>
	<b>2</b> 24Vac		<b>N</b> With wiper, 1 input, 1 output, IR LED illuminator 10°, 940nm			
	<b>3</b> 120Vac		<b>U</b> With wiper, 1 input, 1 output, IR LED illuminator 30°, 850nm			
			<b>T</b> With wiper, 1 input, 1 output, IR LED illuminator 10°, 850nm			
			<b>Z</b> With wiper, 1 input, 1 output, LED illuminator 30°, white light			

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

PTZ CAMERAS AND PTZ UNITS  
FIXED CAMERAS AND HOUSINGS  
P&T MOTORS AND TELEMETRY  
ILLUMINATORS  
VIDEO CONTENT ANALYSIS  
VIDEO MANAGEMENT AND CONTROL  
VIDEO TRANSMISSION  
CAMERA BRACKETS

# ULISSE COMPACT

## OUTDOOR PTZ CAMERA FOR HIGHEST PRECISION DAY/NIGHT MONITORING



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

Up to 2 simultaneous video streams (IP based version)

Variable speed: 0.1°-200°/s Pan/Tilt

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

Position accuracy: 0.05°

Up to 250 Presets

Total control of the auxiliary functions through the Videotec PTZ ASSISTANT (IP based version)

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

Power supply: 230Vac, 24Vac or 120Vac

### OPTIONS:

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

Complete front flange with heated glass

LED illuminator

Wiper



ULISSE COMPACT + LED illuminator

### ULISSE COMPACT - CONFIGURATION OPTIONS

	VOLTAGE	DAY/NIGHT CAMERA	OPTIONS	VIDEO OUTPUT
<b>UC</b>	<b>1</b> 230Vac	<b>P</b> Day/Night camera 36x optical zoom lens, PAL	<b>V</b> With I/O alarm board	<b>A</b> <b>0</b> Analog control
	<b>2</b> 24Vac	<b>Q</b> Day/Night camera 28x optical zoom lens, PAL	<b>W</b> With wiper	<b>Z</b> IP H.264/AVC control, Protocol ONVIF Profile S
	<b>3</b> 120Vac	<b>B</b> Day/Night camera 10x optical zoom lens, PAL	<b>Q</b> With IR LED illuminator 30°, 850nm	
		<b>N</b> Day/Night camera 36x optical zoom lens, NTSC	<b>R</b> With IR LED illuminator 10°, 850nm	
		<b>M</b> Day/Night camera 28x optical zoom lens, NTSC	<b>U</b> With wiper and IR LED illuminator 30°, 850nm	
		<b>K</b> Day/Night camera 10x optical zoom lens, NTSC	<b>T</b> With wiper and IR LED illuminator 10°, 850nm	
			<b>M</b> With IR LED illuminator 10°, 940nm	
			<b>N</b> With wiper and IR LED illuminator 10°, 940nm	
			<b>Z</b> With wiper and LED illuminator 30°, white light (only with 36x camera)	

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

# ULISSE COMPACT THERMAL

## OUTDOOR PTZ CAMERA DUAL VISION, DAY/NIGHT AND THERMAL, FOR MONITORING IN TOTAL DARKNESS



Dual independent video output  
 Complete control via RS485 of both cameras

Thermal camera:

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

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

Variable speed: 0.1°-200°/s Pan/Tilt  
 Horizontal continuous rotation, vertical -90°/+90°

Position accuracy: 0.05°

Up to 250 Presets

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

Integrated wiper

Power supply: 230Vac, 24Vac or 120Vac



### ULISSE COMPACT THERMAL - CONFIGURATION OPTIONS

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

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

# ULISSE NETCAM

## OUTDOOR FULL IP PTZ UNIT FOR NETWORK CAMERAS



Housing for compact lenses

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

Direct access to camera web pages via VT Tunneling

Autopan, Preset, Patrol

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°

Position accuracy: 0.02°

Up to 250 Presets

Total control of the auxiliary functions through the Videotec PTZ ASSISTANT

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

Power supply: 230Vac, 24Vac or 120Vac

Internal usable area (WxHxL): 104x84x270mm (4.1x3.3x10.6in)

### 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



ULISSE NETCAM + 2 UPTIRN

### ULISSE NETCAM - CONFIGURATION OPTIONS

	VOLTAGE			OPTIONS		VIDEO OUTPUT		
UPT	1	230Vac	SV	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 brackets for UPTIRN (only 24Vac, illuminators not included)				
				J With wiper and brackets for UPTIRN (only 24Vac, illuminators not included)				
				G With germanium front window for thermal camera applications				

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)



# ULISSE PLUS NETCAM

## OUTDOOR FULL IP PTZ UNIT FOR NETWORK CAMERAS WITH MEDIUM SIZE LENSES



For Network cameras compatible with ONVIF protocol, Profile S, or equipped with RS485 serial port  
 Direct access to camera web pages via VT Tunneling  
 Autopan, Preset, Patrol  
 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°  
 Optical sensors for absolute positioning feedback  
 Position accuracy: 0.02°  
 Up to 250 Presets  
 Integrated wiper  
 Total control of the auxiliary functions through the Videotec PTZ ASSISTANT  
 Operating temperature: -20°C / +60°C (-4°F / +140°F)  
 Power supply: 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)



ULISSE PLUS NETCAM + 2 UPTIRN

### ULISSE PLUS NETCAM - CONFIGURATION OPTIONS

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

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

# ULISSE MAXI NETCAM

## FULL IP PTZ UNIT FOR NETWORK CAMERAS FOR DYNAMIC MONITORING OF LARGE OUTDOOR AREAS



- Weatherproof housing for large-size lenses
- Camera and lens maximum allowed weight of 7.6kg (17lb)
- For Network cameras compatible with ONVIF protocol, Profile S, or equipped with RS485 serial port
- Direct access to camera web pages via VT Tunneling
- Autopan, Preset, Patrol
- Variable speed: 0.02°-20°/s Pan and Tilt
- Horizontal continuous rotation, vertical +45°/-20°
- Optical sensors for absolute positioning feedback
- Position accuracy: 0.02°
- Up to 250 Presets
- Integrated wiper
- Total control of the auxiliary functions through the Videotec PTZ ASSISTANT
- Operating temperature: -10°C / +60°C (14°F / 140°F)
- Power supply: 230Vac, 24Vac or 120Vac
- Internal usable area (WxHxL): 152x160x432mm (6x6.3x17in)
- OPTIONS:**
- Germanium window for thermal cameras
- Prearrangement for mounting of two UPTIRN LED illuminators



ULISSE MAXI NETCAM + 2 UPTIRN

### ULISSE MAXI NETCAM - CONFIGURATION OPTIONS

	VOLTAGE			OPTIONS			VIDEO OUTPUT		
<b>UPT</b>	<b>1</b>	230Vac	<b>SL</b>	<b>W</b>	230Vac and 120Vac, with wiper	<b>A</b>	<b>N</b>	For Network cameras compatible with ONVIF protocol, Profile S, or with built-in telemetry output	<b>00E</b>
	<b>2</b>	24Vac		<b>J</b>	24Vac, with wiper and prearrangement for mounting of two UPTIRN (illuminators not included)				
	<b>3</b>	120Vac		<b>G</b>	With germanium front window for thermal camera applications				

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

PTZ CAMERAS AND PTZ UNITS

FIXED CAMERAS AND HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

VIDEO CONTENT ANALYSIS

VIDEO MANAGEMENT AND CONTROL

VIDEO TRANSMISSION

CAMERA BRACKETS

# ULISSE

## OUTDOOR PTZ CAMERA AND UNIT FOR HIGHEST PRECISION DAY/NIGHT MONITORING



Housing for compact lenses  
 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°  
 Autopan, Preset, Patrol  
 Position accuracy: 0.02°  
 Up to 250 Presets  
 Operating temperature: -20°C / +60°C (-4°F / +140°F)  
 Power supply: 230Vac, 24Vac or 120Vac  
 Internal usable area (WxHxL): 104x84x270mm (4.1x3.3x10.6in)

**OPTIONS:**

Day/Night camera 36x, 28x  
 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



ULISSE + 2 UPTIRN

### ULISSE - CONFIGURATION OPTIONS

	VOLTAGE	DAY/NIGHT CAMERA	OPTIONS	VIDEO OUTPUT
<b>UPT</b>	<b>1</b> 230Vac	<b>S</b> Without camera	<b>V</b> <b>S</b> Without accessories	<b>A</b> <b>0</b> Analog control
	<b>2</b> 24Vac	<b>P</b> Day/Night camera 36x optical zoom lens, PAL	<b>W</b> With wiper	
	<b>3</b> 120Vac	<b>Q</b> Day/Night camera 28x optical zoom lens, PAL	<b>K</b> With brackets for UPTIRN (only 24Vac, illuminators not included)	
		<b>N</b> Day/Night camera 36x optical zoom lens, NTSC	<b>J</b> With wiper and brackets for UPTIRN (only 24Vac, illuminators not included)	
		<b>M</b> Day/Night camera 28x optical zoom lens, NTSC	<b>G</b> With germanium front window for thermal camera applications	

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

# ULISSE PLUS

## OUTDOOR PTZ UNIT FOR CAMERAS WITH MEDIUM SIZE LENSES



- Weatherproof housing for medium/large-size lenses
- Autopan, Preset, Patrol
- 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°
- Optical sensors for absolute positioning feedback
- Position accuracy: 0.02°
- Up to 250 Presets
- Integrated wiper
- Operating temperature: -20°C / +60°C (-4°F / +140°F)
- Power supply: 230Vac, 24Vac or 120Vac
- Internal usable area (WxHxL): 115x90x325mm (4.5x3.5x12.8in)
- OPTIONS:**
- Prerangement for mounting of two UPTIRN LED illuminators
- Cold pack for low temperature down to -30°C (-22°F)



ULISSE PLUS + 2 UPTIRN

### ULISSE PLUS - CONFIGURATION OPTIONS

	VOLTAGE			OPTIONS		VIDEO OUTPUT		
UPT	1	230Vac	SM	W With wiper	A	0	Analog control	00E
	2	24Vac		J With wiper and brackets for UPTIRN (only 24Vac, illuminators not included)				
	3	120Vac						

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

# ULISSE MAXI

## PTZ UNIT FOR DYNAMIC MONITORING OF LARGE OUTDOOR AREAS



Weatherproof housing for large-size lenses  
 Camera and lens maximum allowed weight of 7.6kg (17lb)

Autopan, Preset, Patrol

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

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

Optical sensors for absolute positioning feedback

Position accuracy: 0.02°

Up to 250 Presets

Integrated wiper

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

Power supply: 230Vac, 24Vac or 120Vac

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

### OPTIONS:

Germanium window for thermal cameras

Prearrangement for mounting of two UPTIRN LED illuminators



ULISSE MAXI + UPTIRN

### ULISSE MAXI - CONFIGURATION OPTIONS

	VOLTAGE		OPTIONS		VIDEO OUTPUT	
<b>UPT</b>	<b>1</b> 230Vac	<b>SL</b>	<b>W</b> 230Vac and 120Vac, with wiper	<b>A</b>	<b>0</b> Analog control	<b>00E</b>
	<b>2</b> 24Vac		<b>J</b> 24Vac, with wiper and prearrangement for mounting of two UPTIRN (illuminators not included)			
	<b>3</b> 120Vac		<b>G</b> With germanium front window for thermal camera applications			

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

ACCESSORIES FOR ULISSE RANGE

WASPT

5 OR 23 LITER TANK WITH PUMP

Polyethylene tank with stainless steel cage  
 Versions with delivery up to 5m (16ft), 11m (36ft) or 30m (98ft)  
 Versions with alarm for the lack of liquid in the tank  
 Also for third-party products  
 Operating temperature: up to 60°C (140°F) max  
 Available voltages in 230Vac, 24Vac or 120Vac



UPTIRN LED ILLUMINATORS

Vandalproof protection (IK10)  
 Power supply 24Vac/12-24Vdc  
 Beam pattern: 10°, 30°, 60°  
 Wavelengths: 850nm, 940nm, white light  
 Adjustable light intensity  
 Adjustable built-in photocell  
 IP66/IP67



UPTIRPS230N EXTERNAL POWER SUPPLY FOR ULISSE WITH UPTIRN LED ILLUMINATORS

Power supply IN 230Vac, 50/60Hz  
 Control to synchronize illuminators with camera  
 Day/Night switching  
 Twilight sensor included  
 IP66



UPTIRPS100N EXTERNAL POWER SUPPLY FOR ULISSE WITH UPTIRN LED ILLUMINATORS

Power supply IN 100Vac, 50/60Hz  
 Control to synchronize illuminators with camera  
 Day/Night switching  
 Twilight sensor included  
 IP66



UPTIRPS120UL EXTERNAL POWER SUPPLY FOR ULISSE WITH UPTIRN LED ILLUMINATORS

Power supply 120Vac, 50/60Hz  
 Control to synchronize illuminators with camera  
 Day/Night switching  
 Twilight sensor included  
 UL listed  
 IP66



UPTJBUL WEATHERPROOF JUNCTION BOX

For the power supply connection  
 External mounting from the ULISSE unit  
 UL listed  
 IP66



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)



## BRACKETS FOR ULISSE RANGE

### UPTWBA WALL MOUNT BRACKET

Made of die-cast aluminum  
 Epoxypolyester powder painting, RAL9002 colour  
 Wall bracket with internal cable channel



### UPTWBTAB 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



### PTCC1 POLE MOUNT ADAPTOR

Made of aluminum  
 For pole diameters: 80÷150mm (3÷5.9in)  
 Load rating: 50kg (110lb)



### WCWGC CORNER MOUNT ADAPTOR

Made of steel  
 Load rating: 50kg (110lb)



# MAXIMUS MPXHD

IS NOW IN FULL HD 1080p.



EXPLOSION-PROOF



PROTECTION



INTEGRATED CAM



IP



WIPER



TYPE 4X



Made in Italy, since 1986

PTZ CAMERAS AND PTZ UNITS

FIXED CAMERAS AND HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

VIDEO CONTENT ANALYSIS

VIDEO MANAGEMENT AND CONTROL

VIDEO TRANSMISSION

CAMERA BRACKETS



# MAXIMUS MPXHD

## EX-PROOF HD PTZ CAMERA



Electropolished AISI 316L stainless steel ex-proof PTZ unit

Certifications for use in Zone 1 and 2, Group IIC T6 (Gas), and in Zone 21 and 22, Group IIIC T85° (Dust)

Camera Full HD 1080p, 30x, 60 frames per second (fps)

Minimum Illumination:

- Colour: 1.4lx, F1.6 AGC on, 1/30s 50 IRE (Normal mode)
- Colour: 0.35lx, F1.6 AGC on, 1/30s, 50 IRE (High Sensitivity mode)
- B/W: 0.05lx, F1.6 AGC on, 1/30s, 50 IRE (Normal mode)
- B/W: 0.013lx, F1.6 AGC on, 1/30s, 50 IRE (High sensitivity mode)

Day/Night (Auto ICR: automatic removal of IR filter)

Video compression H.264/AVC and MJPEG

Certified ONVIF, Profile S

Up to 4 simultaneous video streams

1 alarm input and 1 relay output

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

Position accuracy: 0.02°

¾" NPT threaded hole for use of cable glands or conduit

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

Integrated wiper

Total control of the auxiliary functions through the Videotec PTZ ASSISTANT

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

**OPTIONS:**

Prewired versions with armored cable and barrier cable gland (IEC/EN 60079-14) (except for UL versions). Option supplied as accessory



### MAXIMUS MPX HD - CONFIGURATION OPTIONS

	VOLTAGE	CAMERA				VIDEO OUTPUT	
<b>MPXHD</b>	<b>1</b> 230Vac	<b>F</b> Day/Night camera 30X zoom, FullHD	<b>V</b> With alarm board	<b>W</b> With wiper, 1 input, 1 output	<b>0</b>	<b>Z</b> IP H.264/AVC, Protocol ONVIF Profile S	<b>00A</b>
	<b>2</b> 24Vac						
	<b>3</b> 120Vac						

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

### MAXIMUS MPXHD CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2 G Ex d IIC T6 Ta -40°C to +60°C Gb, Ex II 2 D Ex tb IIIC T85°C Ta -40°C to +60°C Db, IP66
IECEx	Ex d IIC T6 Ta -40°C to +60°C Gb, Ex tb IIIC T85°C Ta -40°C to +60°C Db, IP66
EAC EX	Ex d IIC T6 Gb X, Ex tb IIIC T85 Db X
INMETRO	Ex d IIC T6 Gb -40°C ≤ Ta ≤ +60°C, Ex tb IIIC T85°C Db -40°C ≤ Ta ≤ +60°C, IP66
UL listed for USA (only 24Vac)	Class I, Zone 1, AEx d IIC T6, Zone 21, AEx tb IIIC T85°C
UL listed for Canada (only 24Vac)	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](http://www.videotec.com).

# MAXIMUS MPX

## EX-PROOF PTZ DAY/NIGHT CAMERA

Electropolished AISI 316L stainless steel ex-proof PTZ unit

Certifications for use in Zone 1 and 2, Group IIC T6 (Gas), and in Zone 21 and 22, Group IIIC T85° (Dust)

Day/Night camera:

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

Up to 2 simultaneous video streams (IP based version)

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

Position accuracy: 0.02°

¾" NPT threaded hole for use of cable glands or conduit

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

Integrated wiper

Total control of the auxiliary functions through the Videotec PTZ ASSISTANT (IP based version)

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

### OPTIONS:

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

Prewired versions with cable and barrier cable gland (IEC/EN 60079-14) (except for UL versions). Option supplied as accessory



### MAXIMUS MPX - CONFIGURATION OPTIONS

	VOLTAGE	DAY/NIGHT CAMERA				VIDEO OUTPUT	
<b>MPX</b>	<b>1</b> 230Vac	<b>P</b> Day/Night camera 36x optical zoom lens, PAL	<b>V</b> With alarm board	<b>W</b> With wiper	<b>0</b>	<b>0</b> Analog control	<b>00A</b>
	<b>2</b> 24Vac	<b>Q</b> Day/Night camera 28x optical zoom lens, PAL				<b>Z</b> IP H.264/AVC, Protocol ONVIF Profile S <sup>1</sup>	
	<b>3</b> 120Vac	<b>N</b> Day/Night camera 36x optical zoom lens, NTSC					
		<b>M</b> Day/Night camera 28x optical zoom lens, NTSC					

<sup>1</sup> The IP H.264/AVC versions are not CNEx certified.

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

### MAXIMUS MPX CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2 G Ex d IIC T6 Ta -40°C to +60°C Gb, Ex II 2 D Ex tb IIIC T85°C Ta -40°C to +60°C Db, IP66
IECEx	Ex d IIC T6 Ta -40°C to +60°C Gb, Ex tb IIIC T85°C Ta -40°C to +60°C Db, IP66
EAC EX	Ex d IIC T6 Gb X, Ex tb IIIC T85 Db X
CNEx	Ex d IIC T6 Gb Tamb-40~60°C, DIP A21 TA T6 Tamb-40~60°C
INMETRO	Ex d IIC T6 Gb -40°C ≤ Ta ≤ +60°C, Ex tb IIIC T85°C Db -40°C ≤ Ta ≤ +60°C, IP66
UL listed for USA (only 24Vac)	Class I, Zone 1, AEx d IIC T6, Zone 21, AEx tb IIIC T85°C
UL listed for Canada (only 24Vac)	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](http://www.videotec.com).

# MAXIMUS MPXT

## EX-PROOF DUAL VISION PTZ CAMERA, DAY/NIGHT AND THERMAL



Electropolished AISI 316L stainless steel ex-proof PTZ unit  
 Certifications for use in Zone 1 and 2, Group IIC T6 (Gas), and in Zone 21 and 22, Group IIIC T85° (Dust)  
 Dual independent video output  
 Thermal camera:  
 • Sensor: Uncooled microbolometer (VOx)  
 • Lenses: 35mm, 25mm or 19mm  
 • Resolution 320x256 or 640x512  
 Day/Night camera:  
 • True Progressive Scan  
 • High resolution: up to 550 TVLines  
 • Advanced image stabilizer (Stable Zoom Mode)  
 • Day/Night (Auto ICR: automatic removal of IR filter)  
 Up to 2 simultaneous video streams for each camera (IP based version)  
 Variable speed: 0.1°-100°/s Pan and Tilt  
 Position accuracy: 0.02°  
 ¾" NPT threaded hole for use of cable glands or conduit  
 Extremely easy electrical connections directly into the unit, thanks to the explosion-proof inspection box  
 Integrated wiper  
 Total control of the auxiliary functions through the Videotec PTZ ASSISTANT (IP based version)  
 Operating temperature: -40°C / +60°C (-40°F / +140°F)  
**OPTIONS:**  
 IP based control, H.264/AVC and JPEG, 25fps, Full D1 (compatible with ONVIF protocol, Profile S)  
 Prewired versions with cable and barrier cable gland (IEC/EN 60079-14) (except for UL versions). Option supplied as accessory



### MAXIMUS MPXT - CONFIGURATION OPTIONS

	VOLTAGE	DAY/NIGHT CAMERA	THERMAL CAMERA		VIDEO OUTPUT	FREQUENCY
<b>MPXT</b>	<b>1</b> 230Vac	<b>P</b> Day/Night camera 36x optical zoom lens, PAL	<b>A</b> Thermal camera 35mm, 320x256	<b>W</b> With wiper	<b>0</b> <b>0</b> Analog control	<b>00A</b> - 7.5-8.3Hz
	<b>2</b> 24Vac	<b>N</b> Day/Night camera 36x optical zoom lens, NTSC	<b>B</b> Thermal camera 25mm, 320x256		<b>Z</b> IP H.264/AVC, Protocol ONVIF Profile S <sup>1</sup>	<b>H</b> 25-30Hz
	<b>3</b> 120Vac		<b>D</b> Thermal camera 35mm, 640x512			
			<b>E</b> Thermal camera 25mm, 640x512			
			<b>V</b> Thermal camera 19mm, 320x256			

<sup>1</sup> The IP H.264/AVC versions are not CNEx certified.  
 For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

### MAXIMUS MPXT CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2 G Ex d IIC T6 Ta -40°C to +60°C Gb, Ex II 2 D Ex tb IIIC T85°C Ta -40°C to +60°C Db, IP66
IECEx	Ex d IIC T6 Ta -40°C to +60°C Gb, Ex tb IIIC T85°C Ta -40°C to +60°C Db, IP66
EAC EX	Ex d IIC T6 Gb X, Ex tb IIIC T85 Db X
CNEx	Ex d IIC T6 Gb Tamb-40~60°C, DIP A21 TA T6 Tamb-40~60°C
INMETRO	Ex d IIC T6 Gb -40°C ≤ Ta ≤ +60°C, Ex tb IIIC T85°C Db -40°C ≤ Ta ≤ +60°C, IP66
UL listed for USA (only 24Vac)	Class I, Zone 1, AEx d IIC T6, Zone 21, AEx tb IIIC T85°C
UL listed for Canada (only 24Vac)	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](http://www.videotec.com).

PTZ CAMERAS AND PTZ UNITS  
 FIXED CAMERAS AND HOUSINGS  
 P&T MOTORS AND TELEMETRY  
 ILLUMINATORS  
 VIDEO CONTENT ANALYSIS  
 VIDEO MANAGEMENT AND CONTROL  
 VIDEO TRANSMISSION  
 CAMERA BRACKETS

ACCESSORIES FOR MAXIMUS PTZ CAMERAS

## WASEX

### WASHER PUMP WITH STAINLESS STEEL PRESSURIZED TANK AND INTEGRATED EX-PROOF SOLENOID VALVE

- Delivery head up to 20m
- Water tank capacity: 10 liters (2.6gal)
- Manual pressurization or by means of compressed air
- For MAXIMUS range of Videotec or with third-party products
- Power supply in 24Vac/dc, 5W max

**CERTIFICATIONS**

EAC EX:

- Ex d IIC T4

Certifications - SOLENOID VALVE:

ATEX:

- Ex 2 II GD Ex d IIC T4 Gb Ex tb IIIC T130°C Db IP66
- Tamb -40/+60°C (-40°F / +140°F)

EAC EX:

- 1 Ex d IIC T4 Gb
- 1 Ex t IIIC T130°C Db IP66
- 40°C ≤ Ta ≤ +60°C

INMETRO:

- Ex d IIC T4 Gb
- Ex tb IIIC T135°C Db IP66
- Tamb -40/+60°C (-40°F / +140°F)

→ ALL UPDATES ON CERTIFICATIONS AND MARKINGS IN [WWW.VIDEOTEC.COM](http://WWW.VIDEOTEC.COM)



## BRACKETS FOR MAXIMUS PTZ CAMERAS

### MPXWBA WALL MOUNT BRACKET

- Made of AISI 316L electropolished stainless steel
- Load rating: 40kg (88lb)
- Length: 400mm (15.7in)
- Can be coupled with MPXCW and MPXCOL modular components



### MPXWBTA PARAPET OR CEILING MOUNTING BRACKET

- Made of AISI 316L electropolished stainless steel
- Load rating: 40kg (88lb)
- Dimensions: Ø 238mm (9.4in)



### MPXCW CORNER MOUNT ADAPTOR

- Made of AISI 316L electropolished stainless steel
- Load rating: 50kg (110lb)
- Dimensions: 335x186mm (13.2x7.3in)



### MPXCOL POLE MOUNT ADAPTOR

- Made of AISI 316L electropolished stainless steel
- For pole diameters: 110÷150mm (4.3÷5.9in)
- Load rating: 50kg (110lb)
- Dimensions: 198x182mm (7.8x7.2in)



## EXPT

### EX-PROOF INTEGRATED P&T MOTORS WITH CAMERA HOUSING

Solid anticorrosional aluminum construction  
 Epoxypolyester powder painting, RAL7032 color  
 Horizontal range 360° with speed 6°/s, vertical range -90° / +90° with speed 2.4°/s  
 Version with device for the protection of the glass, EXPTD  
 Preset function  
 Versions with Autopan  
 7.5m (23ft) prewired multipolar armored cable  
 Environment temperature: -20°C / +50°C (-4°F / 122°F) or -40°C/+50°C (-40°C/+122°F) with reinforced heater  
 Internal usable area (WxHxL): 100x100x280mm (3.9x3.9x11in)

*The P&T functions are controlled by the EXDTRX telemetry receiver (more info to the P&T MOTORS AND TELEMETRY chapter)*

*For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)*



EXPTD + EXPTS

### EXPT CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
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
EAC Ex	Ex d IIC T6 Gb, Ex tb IIIC T85 Db IP66

## EXPTC010G

### EX-PROOF P&T MOTOR WITH HOUSING FOR THERMAL IMAGING CAMERAS

Solid anticorrosional aluminum construction  
 Epoxypolyester powder painting, RAL7032 color  
 Horizontal range 360° with speed 6°/s, vertical range -90° / +90° with speed 2.4°/s  
 Germanium window  
 Autopan function  
 7.5m (23ft) prewired multipolar armored cable  
 Environment temperature: -20°C / +50°C (-4°F / 122°F)  
 Internal usable area (WxHxL): 100x100x280mm (3.9x3.9x11in)

*The P&T functions are controlled by the EXDTRX telemetry receiver (more info to the P&T MOTORS AND TELEMETRY chapter)*

*For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)*



### EXPTC010G CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2G Ex d IIC T6 Gb, Ex II 2D Ex t IIIC T85°C Db IP66
EAC Ex	Ex d IIC T6 Gb, Ex tb IIIC T85 Db IP66

All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

### EXPTWB BRACKET FOR EXPT EX-PROOF PTZ UNIT

Solid anticorrosional aluminum construction  
 Epoxypolyester powder painting, RAL7032  
 Load rating: 100kg (220lb)  
 Length: 676mm (26.6in)



# NXPTZ

## DAY/NIGHT PTZ CAMERA FOR ONSHORE/ OFFSHORE, MARINE AND INDUSTRIAL AREAS



Electropolished AISI 316L stainless steel

Day/Night camera:

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

Up to 2 simultaneous video streams (IP based version)

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

Position accuracy: 0.02°

Pre-wired multipolar cable (3m (118in))

Integrated wiper

Total control of the auxiliary functions through the Videotec PTZ ASSISTANT (IP based version)

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

### OPTIONS:

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



### NXPTZ - CONFIGURATION OPTIONS

	VOLTAGE	DAY/NIGHT CAMERA			VIDEO OUTPUT	
<b>NXPTZ</b>	<b>1</b> 230Vac	<b>P</b> Day/Night camera 36x optical zoom lens, PAL	<b>V</b> With alarm board	<b>W</b> With wiper	<b>0</b> <b>0</b> Analog control	<b>00A</b>
	<b>2</b> 24Vac	<b>N</b> Day/Night camera 36x optical zoom lens, NTSC			<b>Z</b> IP H.264/AVC control, Protocol ONVIF Profile S	
	<b>3</b> 120Vac					

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

# NXPTZT

PTZ CAMERA DUAL VISION, DAY/NIGHT AND THERMAL, FOR ONSHORE/OFFSHORE, MARINE AND INDUSTRIAL AREAS



- Electropolished AISI 316L stainless steel
- Dual independent video output
- Thermal camera:
  - Sensor: Uncooled microbolometer (VOx)
  - Lenses: 50mm, 35mm or 25mm
  - Resolution 320x256 or 640x512
- Day/Night camera:
  - True Progressive Scan
  - High resolution: up to 550 TVLines
  - Advanced image stabilizer (Stable Zoom Mode)
  - Day/Night (Auto ICR: automatic removal of IR filter)
- Up to 2 simultaneous video streams for each camera (IP based version)
- Variable speed: 0.1°-100°/s Pan and Tilt
- Position accuracy: 0.02°
- Pre-wired multipolar cable (3m (118in))
- Integrated wiper
- Total control of the auxiliary functions through the Videotec PTZ ASSISTANT (IP based version)
- Operating temperature: -40°C / +60°C (-40°F / +140°F)
- OPTIONS:**
- IP based control, H.264/AVC and JPEG, 25fps, Full D1 (compatible with ONVIF protocol, Profile S)



## NXPTZT - CONFIGURATION OPTIONS

	VOLTAGE	DAY/NIGHT CAMERA	THERMAL CAMERA		VIDEO OUTPUT	FREQUENCY
<b>NXPTZT</b>	<b>1</b> 230Vac	<b>P</b> Day/Night camera 36x optical zoom lens, PAL	<b>A</b> Thermal camera 35mm - 320x256	<b>W</b> With wiper	<b>0</b> <b>0</b> Analog control	<b>00A</b> - 7.5-8.3Hz
	<b>2</b> 24Vac	<b>N</b> Day/Night camera 36x optical zoom lens, NTSC	<b>B</b> Thermal camera 25mm - 320x256		<b>Z</b> IP H.264/AVC control, Protocol ONVIF Profile S	<b>H</b> 25-30Hz
	<b>3</b> 120Vac		<b>D</b> Thermal camera 35mm - 640x512			
			<b>E</b> Thermal camera 25mm - 640x512			
			<b>Y</b> Thermal camera 50mm - 320x256			
			<b>W</b> Thermal camera 50mm - 640x512			

For a quick breakdown of all available codes, you can also use our "PTZ CONFIGURATOR" at [www.videotec.com](http://www.videotec.com)

PTZ CAMERAS AND PTZ UNITS  
FIXED CAMERAS AND HOUSINGS  
P&T MOTORS AND TELEMETRY  
ILLUMINATORS  
VIDEO CONTENT ANALYSIS  
VIDEO MANAGEMENT AND CONTROL  
VIDEO TRANSMISSION  
CAMERA BRACKETS

ACCESSORIES FOR NXPTZ/T PTZ CAMERAS

**WASPT**

5 OR 23 LITER TANK WITH PUMP

Polyethylene tank with stainless steel cage  
 Versions with delivery up to 5m (16ft), 11m (36ft) or 30m (98ft)  
 Versions with alarm for the lack of liquid in the tank  
 Also for third-party products  
 Operating temperature: up to 60°C (140°F) max  
 Available voltages in 230Vac, 24Vac or 120Vac



BRACKETS FOR NXPTZ/T PTZ CAMERAS

**NXPTZWB WALL MOUNT BRACKET**

Made of AISI 316L electropolished stainless steel  
 Load rating: 40kg (88lb)  
 Length: 400mm (15.7in)  
 Can be coupled with NXPTZCW and NXPTZCOL modular components



**NXPTZTW PARAPET OR CEILING MOUNTING BRACKET**

Made of AISI 316L electropolished stainless steel  
 Load rating: 40kg (88lb)  
 Dimensions: Ø 238mm (9.4in)



Made of AISI 316L electropolished stainless steel  
 Load rating: 40kg (88lb)  
 Length: 400mm (15.7in)  
 Can be coupled with NXPTZCW and NXPTZCOL modular components

**NXPTZCW CORNER MOUNT ADAPTOR**

Made of AISI 316L electropolished stainless steel  
 Load rating: 50kg (110lb)  
 Dimensions: 335x186mm (13.2x7.3in)



**NXPTZCOL POLE MOUNT ADAPTOR**

Made of AISI 316L electropolished stainless steel  
 For pole diameters: 110÷150mm (4.3÷5.9in)  
 Load rating: 50kg (110lb)  
 Dimensions: 198x182mm (7.8x7.2in)





# FIXED CAMERAS AND HOUSINGS

## EX-PROOF CAMERAS AND HOUSINGS

The ex-proof cameras and housings have been certified and designed to meet strict standards regarding installation in potentially explosive environments, given the presence of gas and flammable dusts. These products ensure excellent performance for monitoring critical processes and are thus the perfect video surveillance solutions for chemical, oil and gas industries. Their sturdiness and limited maintenance make these products suitable for use in extreme environmental conditions and offer a level of quality beyond any expectations.



## STAINLESS STEEL CAMERAS AND HOUSINGS

The stainless steel camera housings were designed to protect the cameras against particularly aggressive environmental conditions. Given the very strict specifications, the best materials were used to design them and every mechanical detail has been meticulously analysed, thus obtaining very reliable products that withstand industrial applications and intensive marine corrosion. The range also offers a few models for thermal cameras or thermal-integrated cameras.



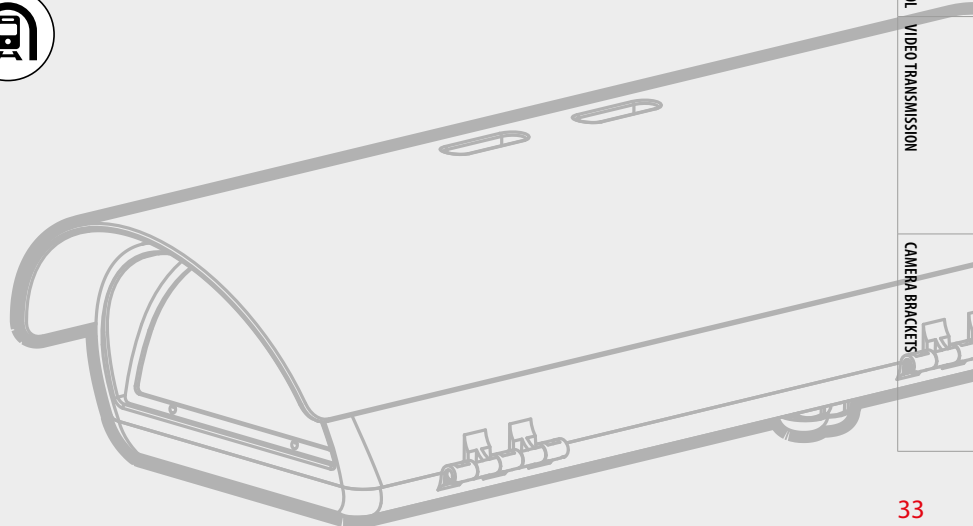
## GENERAL PURPOSE CAMERA HOUSINGS

The camera housings are made of top-quality aluminum and innovative plastic materials. The attention given during manufacturing makes them sturdy and reliable, as well as easy to install. The wide range of accessories available, such as the heater, blower and filters, camera power supply, and wiper also satisfy any requirement.



## DISCREET SURVEILLANCE CAMERA HOUSINGS

Dome camera housings for discreet surveillance were designed for indoor and outdoor use. Their special design enables them to be camouflaged as a normal lighting system. These housings are easily installed and can house the speed domes. These housings are especially suited for airports, supermarkets, and shopping centres.



# The MAXIMUS Range presents: MVX **Ex-proof** Camera Series. Versatile, Compact and Plug & Play.

IP66/68/69 WIPER

DAY & NIGHT/THERMAL

HD 60fps

ZOOM 10X

COMPACT -60°+65°C



# MAXIMUS MVXHD

## HIGH-SPEC EX-PROOF HD CAMERA IN A COMPACT DESIGN

In electropolished and silicon micro shot peened AISI 316L stainless steel  
 Certifications for use in Zones 1 and 2 IIC T5 Group (Gas) and in Zones 21 and 22 IIIC T100°C Group (Dust)  
 Camera Full HD 1080p, 10x, 60 frames per second (fps)  
 Video compression H.264/AVC and MJPEG  
 Day/night (Auto ICR: automatic removal of IR filter)  
 Autofocus  
 Up to 4 simultaneous video streams  
 1 alarm input and 1 relay output  
 4m (13ft) preinstalled armored multipolar cable with cable gland or, alternatively, with 4m (13ft) cable tail  
 Integrated wiper  
 Environment temperature: -60°C (-76°F) / +65°C (149°F)  
 Power supply: 12-24Vdc/24Vac



WASEX - Washer kit



MVXHD + NXWBS1



### AVAILABLE MODELS

MODEL NUMBER	12-24VDC/24VAC	DAY/NIGHT CAMERA 10X ZOOM, FULLHD	AUTOFOCUS	WIPER	4M (13FT) ARMORED CABLE T5 -60°C/+65°C	4M (13FT) CABLE TAIL T5 -50°C/+65°C
MVXHD2G0WAZ00A	✓	✓	✓	✓	✓	–
MVXHD2G0WFZ01A	✓	✓	✓	✓	–	✓

Available versions with 30x HD camera, 10m (33ft) armored cable or cable tail and T6 temperature class

### MAXIMUS MVXHD CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2G Ex d IIC T5 Gb, Ex II 2D Ex tb IIIC T100°C Db IP66/68
IECEX	Ex d IIC T5 Gb, Ex tb IIIC T100°C Db IP66/68
EAC Ex	Ex d IIC T5 Gb, Ex tb IIIC T100 Db
INMETRO	Ex d IIC T5 Gb, Ex tb IIIC T100°C Db IP66/68
ETL listed for USA	Class I, Zone 1, AEx d IIC T5 Gb, Zone 21, AEx tb IIIC T100°C Db
ETL listed for Canada	Class II, Div 1, Group E, F and G

All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

# MAXIMUS MVX

## HIGH-SPEC EX-PROOF DAY/NIGHT CAMERA IN A COMPACT DESIGN



In electropolished and silicon micro shot peened AISI 316L stainless steel  
 Certifications for use in Zones 1 and 2 IIC T5 Group (Gas) and in Zones 21 and 22 IIC T100°C Group (Dust)

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

- High resolution: up to 550 TVLines
- Advanced image stabilizer (Stable Zoom Mode)
- Day/Night (Auto ICR: automatic removal of IR filter)

Autofocus

1 alarm input and 1 relay output

4m (13ft) preinstalled armored multipolar cable with cable gland or, alternatively, with 4m (13ft) cable tail

Integrated wiper

Environment temperature: -60°C (-76°F) / +65°C (149°F)

Power supply: 12-24Vdc/24Vac



WASEX - Washer kit

MXV + NXWBS1



### AVAILABLE MODELS

MODEL NUMBER	12-24VDC/24VAC	D/N 10X ZOOM CAMERA, PAL	D/N 10X ZOOM CAMERA, NTSC	AUTOFOCUS	WIPER	4M (13FT) ARMORED CABLE T5 -60°C/+65°C	4M (13FT) CABLE TAIL T5 -50°C/+65°C
MVX2B0WA000A	✓	✓	–	✓	✓	✓	–
MVX2B0WF001A	✓	✓	–	✓	✓	–	✓
MVX2K0WF001A	✓	–	✓	✓	✓	–	✓

Available versions with 10m (33ft) armored cable or cable tail, T6 temperature class and other cameras

### MAXIMUS MVX CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2G Ex d IIC T5 Gb, Ex II 2D Ex tb IIIC T100°C Db IP66/68
IECEX	Ex d IIC T5 Gb, Ex tb IIIC T100°C Db IP66/68
EAC Ex	Ex d IIC T5 Gb, Ex tb IIIC T100 Db
INMETRO	Ex d IIC T5 Gb, Ex tb IIIC T100°C Db IP66/68
ETL listed for USA	Class I, Zone 1, AEx d IIC T5 Gb, Zone 21, AEx tb IIIC T100°C Db
ETL listed for Canada	Class II, Div 1, Group E, F and G

All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

# MAXIMUS MVXT

## HIGH-SPEC EX-PROOF THERMAL CAMERA IN A COMPACT DESIGN

In electropolished and silicon micro shot peened AISI 316L stainless steel  
 Certifications for use in Zones 1 and 2 IIC T5 Group (Gas) and in Zones 21 and 22 IIIC T100°C Group (Dust)

Analog or IP (ONVIF S) versions

Thermal cameras:

- Sensor: Uncooled microbolometer (VOx)
- Lenses: 35mm, 19mm or 9mm
- Resolution 336x256 or 640x512
- Image frequency: 8.3Hz or 25Hz

1 alarm input and 1 relay output

4m (13ft) preinstalled armored multipolar cable with cable gland or, alternatively, with 4m (13ft) cable tail

Environment temperature: -60°C (-76°F) / +65°C (149°F)

Power supply: 12-24Vdc/24Vac



MVXT + NXWBS1



### MAXIMUS MVXT - CONFIGURATION OPTIONS

	VOLTAGE	THERMAL CAMERA	CONNECTIONS	VIDEO OUTPUT	MODELS	FREQUENCY
<b>MVXT</b>	<b>2</b> 12-24Vdc/24Vac	<b>I0</b> Thermal camera 35mm, 336x256	<b>S A</b> Cable gland with gasket Ex d 3/4" NPT and 4m (13ft) armored cable	<b>0</b> Analog control	<b>00</b> T5 -60°C/+65°C	<b>A -</b> 7.5-8.3Hz
		<b>Z0</b> Thermal camera 19mm, 336x256	<b>F</b> 4m (13ft) cable tail	<b>Z</b> IP H.264/AVC control, Protocol ONVIF Profile S	<b>01</b> T5 -50°C/+65°C	<b>H</b> 25-30Hz
		<b>Q0</b> Thermal camera 9mm, 336x256				
		<b>D0</b> Thermal camera 35mm, 640x512				
		<b>U0</b> Thermal camera 19mm, 640x512				
		<b>H0</b> Thermal camera 9mm, 640x512				

The versions with cable tail have a temperature range -50 °C/+65°C.

Available versions with 10m (33ft) armored cable or cable tail, T6 temperature class and other focal lengths

### MAXIMUS MVXT CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2G Ex d IIC T5 Gb, Ex II 2D Ex tb IIIC T100°C Db IP66/68
IECEX	Ex d IIC T5 Gb, Ex tb IIIC T100°C Db IP66/68
EAC Ex	Ex d IIC T5 Gb, Ex tb IIIC T100 Db
INMETRO	Ex d IIC T5 Gb, Ex tb IIIC T100°C Db IP66/68
ETL listed for USA	Class I, Zone 1, AEx d IIC T5 Gb, Zone 21, AEx tb IIIC T100°C Db
ETL listed for Canada	Class II, Div 1, Group E, F and G

All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

# MAXIMUS MHX

## EX-PROOF HOUSING

Made of AISI 316L electropolished stainless steel  
 2 3/4" NPT threaded holes for use of cable glands or conduit  
 Integrated telemetry receiver for version with wiper  
 Sunshield and heater included  
 Power supply: 230Vac, 24Vac or 120Vac  
 Environment temperature: -40°C / +60°C (-40°F / +140°F)  
 Internal usable area (WxHxL): 80x82x245mm (3.1x3.2x9.6in)

### OPTIONS:

Wiper



MHX + MHXWBS1



WASEX - Washer kit

### AVAILABLE MODELS

MODEL NUMBER	230VAC	24VAC	120VAC	WIPER	SUNSHIELD	ATEX / IECEx / EAC EX / INMETRO
MHX1CS000A	✓	-	-	-	✓	✓
MHX1CW000A	✓	-	-	✓	✓	✓
MHX2CS000A	-	✓	-	-	✓	✓
MHX2CW000A	-	✓	-	✓	✓	✓
MHX3CS000A	-	-	✓	-	✓	✓
MHX3CW000A	-	-	✓	✓	✓	✓

### MAXIMUS MHX CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS	PRODUCT NR. ENDING
ATEX	Ex II 2 G Ex d IIC T6 Gb Ta -40°C to +60°C, Ex II 2 D Ex tb IIIC T85°C Db Ta -40°C to +60°C	...A
IECEX	Ex d IIC T6 Gb Ta -40°C to +60°C, Ex tb IIIC T85°C Db Ta -40°C to +60°C	...A
EAC Ex	Ex d IIC T6 Gb, Ex tb IIIC T85 Db	...A
INMETRO	Ex d IIC T6 Gb -40°C à/to +60°C, Ex tb IIIC T85°C Db -40°C à/to +60°C	...A
UL listed for USA (only 24Vac)	Class I, Zone 1, AEx d IIC T6, Zone 21, AEx tb IIIC T85°C	...A-U <sup>1</sup>
UL listed for Canada (only 24Vac)	Class I, Zone 1, Ex d IIC T6 Gb, Class II, Groups E, F and G	...A-U <sup>1</sup>

<sup>1</sup> UL Certifications only for 24Vac versions and with pre-installed camera by Videotec. Operating temperature -40°C / + 54°C (-40°F / 122°F)  
 All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

# MAXIMUS MHXT

## EX-PROOF HOUSING FOR THERMAL CAMERAS

- Made of AISI 316L electropolished stainless steel
- Germanium window with protection grid
- Integrated telemetry receiver
- 2 ¾" NPT threaded holes for use of cable glands or conduit
- Sunshield and heater included
- Environment temperature: -40°C / +60°C (-40°F / +140°F)
- Power supply: 230Vac, 24Vac or 120Vac
- Internal usable area (WxHxL): 80x82x245mm (3.1x3.2x9.6in)



MHXT-MHXWBS1



### AVAILABLE MODELS

MODEL NUMBER	230VAC	24VAC	120VAC	GERMANIUM WINDOW FOR THERMAL CAMERAS	SUNSHIELD	ATEX / IECEx / EAC EX / INMETRO
MHXT1C000B	✓	-	-	✓	✓	✓
MHXT2C000B	-	✓	-	✓	✓	✓
MHXT3C000B	-	-	✓	✓	✓	✓

### MAXIMUS MHXT CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS	PRODUCT NR. ENDING
ATEX	Ex II 2 G Ex d IIC T6 Gb Ta -40°C to +60°C, Ex II 2 D Ex tb IIIC T85°C Db Ta -40°C to +60°C	...B
IECEX	Ex d IIC T6 Gb Ta -40°C to +60°C, Ex tb IIIC T85°C Db Ta -40°C to +60°C	...B
EAC Ex	Ex d IIC T6 Gb, Ex tb IIIC T85 Db	...B
INMETRO	Ex d IIC T6 Gb -40°C à/to +60°C, Ex tb IIIC T85°C Db -40°C à/to +60°C	...B
UL listed for USA (only 24Vac)	Class I, Zone 1, AEx d IIC T6, Zone 21, AEx tb IIIC T85°C	...B-U <sup>1</sup>
UL listed for Canada (only 24Vac)	Class I, Zone 1, Ex d IIC T6 Gb, Class II, Groups E, F and G	...B-U <sup>1</sup>

<sup>1</sup> UL Certifications only for 24Vac versions and with pre-installed camera by Videotec. Operating temperature -40°C / + 54°C (-40°F / 122°F)  
 All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

**BRACKETS FOR MAXIMUS MVX CAMERAS**

**NXWBS1 WALL MOUNT BRACKET**

Made of AISI 316L electropolished stainless steel  
 Load rating: 45kg (99lb)  
 Dimensions: 371x186mm (14.6x7.3in)  
 Available modular components: NXCOL and NXCW



**MHXWFWCA BALL JOINT FOR HOUSING**

Made of AISI 316L electropolished stainless steel  
 Compatible with NXFWBT bracket  
 Load rating: 40kg (88lb)  
 Dimensions: Ø 101.6mm (4in)



**NXFWBT PARAPET MOUNT BRACKET**

Made of AISI 316L electropolished stainless steel  
 Load rating: 70kg (154lb)  
 Height: 124mm (4.9in)



**NXCOL POLE MOUNT ADAPTOR**

Made of AISI 316L electropolished stainless steel  
 For pole diameters Ø 110-150mm (4.3-5.9in)  
 Load rating: 50kg (110lb)  
 Dimensions: 180x196mm (7.0x7.7in)



**NXCW CORNER MOUNT ADAPTOR**

Made of AISI 316L electropolished stainless steel  
 Load rating: 50kg (110lb)  
 Dimensions: 180x291mm (7x11.5in)



**BRACKETS FOR MAXIMUS MHX HOUSINGS**

**MHXWBS1 WALL MOUNT BRACKET**

Made of AISI 316L electropolished stainless steel  
 Load rating: 40kg (88lb)  
 Length: 425mm (16.7in)  
 Can be coupled with MPXCW and MPXCW modular 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 (4in)



**NXFWBT PARAPET MOUNT BRACKET**

Made of AISI 316L electropolished stainless steel  
 Load rating: 70kg (154lb)  
 Height: 124mm (4.9in)



**MPXCW POLE MOUNT ADAPTOR**

Made of AISI 316L electropolished stainless steel  
 For pole diameters: 110÷150mm (4.3÷5.9in)  
 Load rating: 50kg (110lb)  
 Dimensions: 198x182mm (7.8x7.2in)



**MPXCW CORNER MOUNT ADAPTOR**

Made of AISI 316L electropolished stainless steel  
 Load rating: 50kg (110lb)  
 Dimensions: 335x186mm (13.2x7.3in)





## ACCESSORIES FOR MAXIMUS CAMERAS AND HOUSINGS

### WASEX

#### WASHER PUMP WITH STAINLESS STEEL PRESSURIZED TANK AND INTEGRATED EX-PROOF SOLENOID VALVE

Delivery head up to 20m

Water tank capacity: 10 liters (2.6gal)

Manual pressurization or by means of compressed air

For MAXIMUS range of Videotec or with third-party products

Power supply in 24Vac/dc, 5W max


#### CERTIFICATIONS

EAC EX:

- Ex d IIC T4

Certifications - SOLENOID VALVE:

ATEX:

-  2 II GD Ex d IIC T4 Gb Ex tb IIIC T130°C Db IP66
- Tamb -40/+60°C (-40°F / +140°F)

EAC EX:

- 1 Ex d IIC T4 Gb
- 1 Ex t IIIC T130°C Db IP66
- -40°C ≤ Ta ≤ +60°C

INMETRO:

- Ex d IIC T4 Gb
- Ex tb IIIC T135°C Db IP66
- Tamb -40/+60°C (-40°F / +140°F)

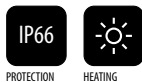
→ ALL UPDATES ON CERTIFICATIONS AND MARKINGS IN [WWW.VIDEOTEC.COM](http://WWW.VIDEOTEC.COM)



# EXH

## EX-PROOF HOUSING

Solid anticorrosional aluminum construction  
 Epoxypolyester powder painting, RAL7032 color  
 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)  
 Supplied with heater. Sunshield as option.  
 Environment temperature: -40°C/+50°C (-40°F/+122°F) with reinforced heater  
 Internal usable area (WxHxL): 100x100x280mm (3.9x3.9x11in)



### EXH CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
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
EAC Ex	Ex d IIC T6 Gb, Ex tb IIIC T85 Db X IP66

All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

# EXHC000G

## EX-PROOF HOUSING FOR THERMAL CAMERAS

Solid anticorrosional aluminum construction  
 Epoxypolyester powder painting, RAL7032 color  
 Germanium window  
 IP66  
 2 holes for cable glands 3/4" NPT  
 Supplied with heater. Sunshield as option.  
 Environment temperature: -20°C / +50°C (-4°F / 122°F)  
 Internal usable area (WxHxL): 100x100x280mm (3.9x3.9x11in)



### EXHC000G CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2G Ex d IIC T6 Gb, Ex II 2D Ex t IIIC T85°C Db IP66
EAC Ex	Ex d IIC T6 Gb, Ex tb IIIC T85 Db X IP66

All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

### BRACKETS FOR EX-PROOF CAMERA HOUSINGS OF EX SERIES

#### EXWBJ BRACKET AND BALL JOINT FOR EXH EX-PROOF HOUSING

Solid anticorrosional aluminum construction



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

Solid anticorrosional aluminum construction



## NTC

### STAINLESS STEEL THERMAL CAMERA

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



## NXM

### CAMERA 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(0.4in)-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)



## NXM36

### CAMERA 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(0.24in)-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)



## NTM

### HOUSING FOR THERMAL CAMERAS IN AGGRESSIVE ENVIRONMENTS

Made of AISI 316L electropolished stainless steel  
 Germanium window  
 Cylindrical body enclosed by two 9mm(0.4in)-thick circular flanges  
 2 PG13,5 cable glands nickel-plated brass for external connections  
 IP66/IP67  
 Available accessories: camera power supply  
 Internal usable area (WxHxL): 88x86x334mm (3.5x3.4x13.1in)



## NXW

### LIQUID-COOLED CAMERA HOUSING

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 260°C (500°F)) quartz glass (max 400°C (752°F)) infrared glass (max 260°C (500°F))  
 Internal usable area (WxHxL): 78x78x345mm (3.1x 3.1x13.6in)



## NTW

### LIQUID-COOLED HOUSING FOR THERMAL CAMERAS

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

### HOUSING FOR LARGE ZOOM LENSES FOR AGGRESSIVE ENVIRONMENTS

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

Made of AISI 316L electropolished stainless steel  
 Germanium window  
 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)



## ACCESSORIES FOR STAINLESS STEEL CAMERAS AND HOUSINGS

### WAS - WASPT

#### 5 OR 23 LITER TANK WITH PUMP

Polyethylene tank with stainless steel cage

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

Versions with alarm for the lack of liquid in the tank

Also for third-party products

Operating temperature: up to 60°C (140°F) max

Available voltages in 230Vac, 24Vac or 120Vac



#### HEATER

Thermostatically controlled heating element  
PTC 20W or 40W (Ton <= 15°C(59°F); Toff >= 22°C(72°F))

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



#### 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 0.1 micron



#### ONXAB2 AIR BARRIER

Made of AISI 316L electropolished stainless steel

Supplied with NXW housing and optional on NXM



#### 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



#### 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



#### CAMERA POWER SUPPLY

It can be installed inside the housing

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



## BRACKETS FOR STAINLESS STEEL CAMERAS AND HOUSINGS

#### NXWBS1 WALL MOUNT BRACKET

Made of AISI 316L electropolished stainless steel

Load rating: 45kg (99lb)

Dimensions: 371x186mm (14.6x7.3in)

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)

Length: 596mm (23.5in)

Available modular components: NXCOL and NXCW



#### NXCOL POLE MOUNT ADAPTOR

Made of AISI 316L electropolished stainless steel

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

Load rating: 50kg (110lb)

Dimensions: 180x196mm (7.0x7.7in)



#### NXCW CORNER MOUNT ADAPTOR

Made of AISI 316L electropolished stainless steel

Load rating: 50kg (110lb)

Dimensions: 180x291mm (7x11.5in)



## HOV

### SIDE OPENING ALUMINIUM CAMERA HOUSING

Made of aluminum, 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)



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



*All cameras and lenses shown are only for demonstration purposes and are not supplied with the products.*

## OHOVPOEIPM

### KIT RETROFIT FOR IPM TECHNOLOGY ON HOV CAMERA 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



## 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)



## PUNTO

### SIDE OPENING TECHNOPOLYMER CAMERA 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)



## PUNTO Hi-PoE

### TECHNOPOLYMER HOUSING FOR IP CAMERA

PoE/Hi-PoE to power heater & network camera  
 Category 5e shielded power cable  
 Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus  
 Special cable gland for a fast Ethernet connection/disconnection without cutting the RJ45 connector  
 Side opening, easy camera servicing  
 IP66/IP67  
 Pre-arranged for internal cable management bracket  
 Internal usable area (WxHxL): 70x70x250mm (2.7x2.7x9.8in)



*All cameras and lenses shown are only for demonstration purposes and are not supplied with the products.*

## VERSO COMPACT

### COMPACT SIDE OPENING POLYCARBONATE CAMERA 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)



## VERSO

### SIDE OPENING POLYCARBONATE CAMERA 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 and tamper switch  
 Internal usable area (WxHxL): 70x70x270mm (2.7x2.7x10.6in)



## 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
  - 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)
- All cameras and lenses shown are only for demonstration purposes and are not supplied with the products.*



## 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



## VERSO POLAR

### CAMERA HOUSING FOR EXTREMELY LOW TEMPERATURE

- 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)
- All cameras and lenses shown are only for demonstration purposes and are not supplied with the products.*



## HEK

### ALUMINIUM AND THERMOPLASTIC CAMERA HOUSING

- 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): 82x62x235mm (3.2x2.4x9.3in)





## HEB

### ALUMINIUM WEATHERPROOF CAMERA HOUSING

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): 90x85x250mm (3.5x3.3x9.5in)



## HEG

### LARGE-SIZED ALUMINIUM CAMERA HOUSING

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 -50°C (-58°F))  
 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

Germanium window  
 IP66/IP67  
 Integrated heater  
 Available accessories: camera power supply  
 Internal usable area (WxHxL): 134x88x273mm (5.1x3.5x10.7in)



## HGV

### EXTRA LARGE-SIZED CAMERA HOUSING

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  
 Internal usable area (WxHxL):  
 • (max) 200x169x519mm (7.9x6.7x20.4in)  
 • (min) 156x139x519mm (6.1x5.5x20.4in)



## ACCESSORIES FOR CAMERA HOUSINGS

### WAS - WASPT

#### 5 OR 23 LITER TANK WITH PUMP

Polyethylene tank with stainless steel cage

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

Versions with alarm for the lack of liquid in the tank  
Also for third-party products

Operating temperature: up to 60°C (140°F) max

Available voltages in 230Vac, 24Vac or 120Vac



#### CAMERA POWER SUPPLY

It can be installed inside the housing

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



#### HEATER

Thermostatically controlled heating element  
PTC 20W or 40W (Ton <= 15°C (59°F); Toff >= 22°C (72°F))

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



#### BLOWER WITH AIR FILTER

Thermostatically controlled cooling blower Ton >= 35°C (95°F); Toff <= 20°C (68°F) and filter

Available in 12Vdc, 24Vac and 230Vac versions



#### 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



#### OHEGBB- WEATHERPROOF JUNCTION BOX

IP55

For housing of wiring harnesses or auxiliary boards



#### OWBIP- SEALING RINGS

For cable management bracket

For WBOVA2 and WCM4A2 brackets

IP66/IP67

#### TAMPER SWITCH ON BOARD FOR HOUSING

With tamper proof screws and key



#### 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



## ACCESSORIES COMPATIBILITY

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

<sup>1</sup> Built-in.

## BRACKETS FOR CAMERA HOUSINGS

### WBJA WALL MOUNT BRACKET

Made of aluminum  
Fully adjustable swivel head  
Load rating: 25kg (55lb)



### WBMA WALL MOUNT BRACKET

Made of aluminum  
Fully adjustable swivel head  
Load rating: 25kg (55lb)



### WBOVA2 WALL MOUNT BRACKET

Made of aluminum  
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 aluminum  
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 anticorrosional aluminum construction  
Load rating: 70kg (154lb)



### WCM3A CEILING MOUNT

Made of aluminum  
Fully adjustable swivel head  
Load rating: 15kg (33.5lb)



### WCM4A2 CEILING MOUNT

Made of aluminum  
Internal cable management  
Load rating: 15kg (33.5lb)  
500mm (19in) linear extension available with WCPMA



### WCM5A CEILING MOUNT

Made of aluminum  
Load rating: 15kg (33.5lb)  
500mm (19in) linear extension available with WCPMA



### WCPMA LINEAR EXTENSION FOR WCM4A2 AND WCM5A

It allows a 500mm (19in) extension



### WFWCA PARAPET BRACKET

Made of aluminum  
Fully adjustable swivel head  
Load rating: 15kg (33.5lb)  
Available extension through WFWBTA



## BRACKETS FOR CAMERA HOUSINGS

### WSFPA POLE MOUNT ADAPTOR

Made of aluminum

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)

To be combined with the reinforcing support plate WCPA

Load rating: 25kg (55lb) (static load)



### WCWA CORNER MOUNT ADAPTOR

Made of steel

Load rating: 30kg (66lb)



### WCPA REINFORCING SUPPORT PLATE FOR POOR CONSISTENCY WALLS

Made of aluminum

Available with a supporting box with internal cable channel (WBOV3A2)

Load rating: 50kg (110lb)



## COMPATIBILITY HOUSINGS/BRACKETS

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
<b>POLE MOUNT ADAPTOR</b>			
WSFPA	✓	✓	✓
DBHWGC <sup>1</sup>	✓	✓	✓
<b>CORNER MOUNT ADAPTOR</b>			
WCWA	✓	✓	✓
<b>SUPPORT PLATE ADAPTOR</b>			
WCPA	✓	✓	✓

<sup>1</sup> To be combined with the reinforcing support plate WCPA

## MEDUSA

### UNIVERSAL DOME HOUSING FOR DISCREET SURVEILLANCE

Patented top-opening system  
 Made of aluminium with bubble in acrylic  
 Indoor / Outdoor  
 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  
 Transparent or smoked bubble  
 Special adapter for several speed domes



### MEDUSA BRACKETS

#### DBH06 WALL BRACKET FOR MEDUSA DOME

Made of aluminum  
 Internal cable management



#### DBH07 CEILING/PARAPET BRACKET FOR MEDUSA DOME

Made of aluminum  
 Internal cable management



#### PTCC1 POLE MOUNT ADAPTOR

Made of aluminum  
 For pole diameters: 80÷150mm (3÷5.9in)  
 Load rating: 50kg (110lb)



#### WCWGC CORNER MOUNT ADAPTOR

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) (static load)





# P&T MOTORS AND TELEMETRY

## P&T MOTORS

Outdoor Pan & Tilt have been designed and tested to be used in extremely severe operating conditions and under constant stress. A wide range of control systems is available, from a simple desktop controller to the most advanced range of control keyboards and telemetry receivers with microprocessors.

## STAINLESS STEEL P&T MOTORS

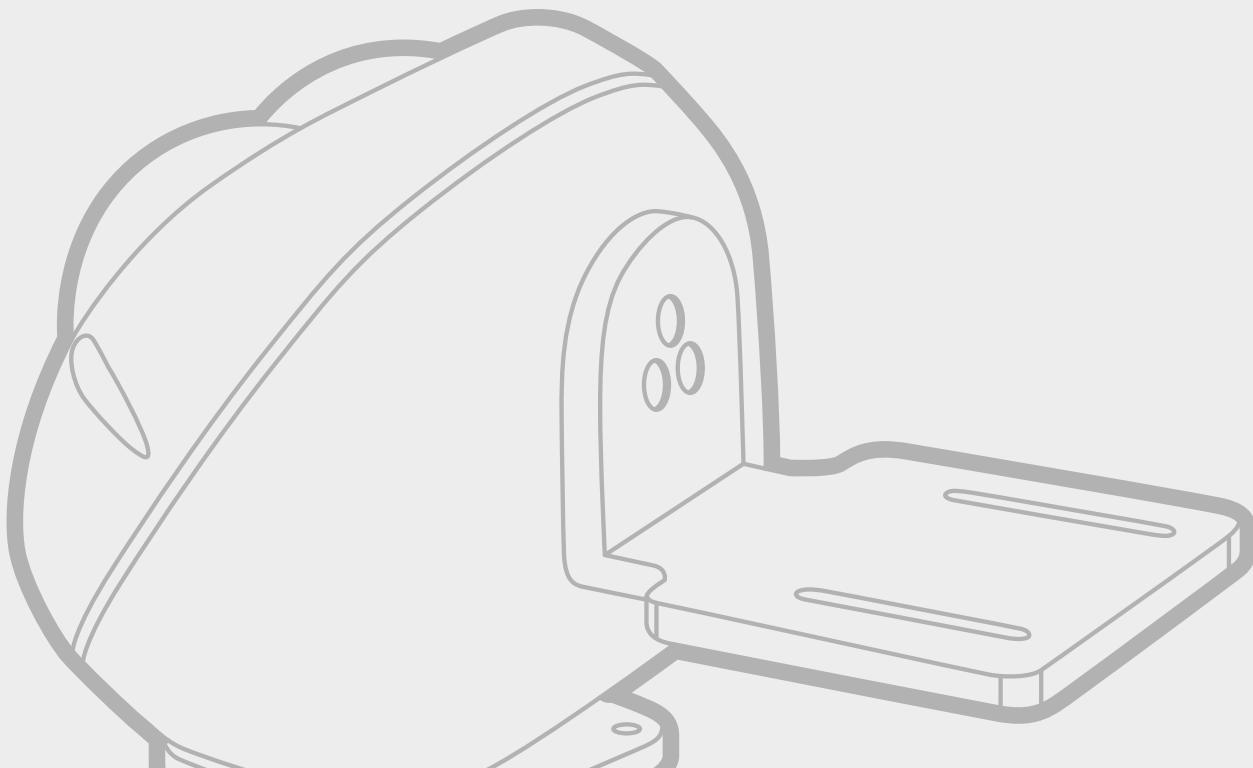
NXPTH Pan & Tilt, together with the stainless steel housing, was built to withstand the most severe and corrosive environmental conditions such as offshore, marine environments and industrial applications. The accurate mechanical construction and reliable motors reduce maintaining, even in situations with heavy mechanical stress.

## TELEMETRY

A wide range of telemetry receivers have been designed for outdoor Pan & Tilt remote control, which includes the most basic to the most complete models, and enable Pan & Tilt function management and motorised lenses.

## EX-PROOF TELEMETRY

The EXDTRX series telemetry receiver enables installation in potentially explosive areas and controls the Pan & Tilt explosion-proof functions, amongst which the preset and lens functions.



## PTH300

### OUTDOOR P&T MOTOR

Constructed from corrosion-proof aluminium

For loads up to 12kg(26lb) balanced

IP66

Optional preset

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 P&T MOTOR

Constructed from corrosion-proof aluminium

For loads up to 12kg(26lb) balanced

DC motors: (24Vdc)

Controlled by the DTRXDC telemetry receiver

Preset function

Internally adjustable horizontal and vertical limit switches

Horizontal speed 30°/s, vertical 18°/s

IP66

PROTECTION



## BRACKETS FOR P&T MOTORS

### PTAC WALL MOUNT BRACKET

Made of aluminum

Load rating: 35kg (77lb)

Length: 360mm (14.2in)



### WFWBTA PARAPET BRACKET

Made of aluminum

Load rating: 50kg (110lb)

Length: 185mm (7.3in)



### WSFPA POLE MOUNT ADAPTOR

Made of aluminum

Load rating: 30kg (66lb)

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



### WCWA CORNER MOUNT ADAPTOR

Made of steel

Load rating: 30kg (66lb)



### WCWA REINFORCING SUPPORT PLATE FOR POOR CONSISTENCY WALLS

Made of aluminum

Load rating: 50kg (110lb)





## NXP<sup>TH</sup>

### STAINLESS STEEL P&T MOTOR

Made of AISI 316L electropolished stainless steel  
 IP66/IP67  
 Horizontal fixed speed 5°/s, vertical fixed speed 3°/s  
 Max. load 40kg (88lb) balanced  
 Preset function  
 Versions 24Vac and 230Vac, 50/60Hz  
 Suitable for NXM36, NXM, NXL, NTM, NTL and NTC housings



### BRACKETS FOR STAINLESS STEEL P&T MOTORS

#### NXFW<sup>BT</sup> PARAPET MOUNT BRACKET

Made of AISI 316L electropolished stainless steel  
 Load rating: 70kg (154lb)



#### NXWB<sup>PTH</sup>1 WALL BRACKET FOR NXP<sup>TH</sup>

Made of AISI 316L electropolished stainless steel  
 Load rating: 70kg (154lb)  
 Length: 596mm (23.5in)  
 Available modular components: NXCOL and NXCW



#### NXCOL POLE MOUNT ADAPTOR

Made of AISI 316L electropolished stainless steel  
 For pole diameters Ø 110-150mm (4.3-5.9in)  
 Load rating: 50kg (110lb)  
 Dimensions: 180x196mm (7.0x7.7in)



#### NXCW CORNER MOUNT ADAPTOR

Made of AISI 316L electropolished stainless steel  
 Load rating: 50kg (110lb)  
 Dimensions: 180x291mm (7x11.5in)



## DTRX3

### TELEMETRY DATA RECEIVER, 17 FUNCTIONS

11 standard functions for the control of P & T motors and zoom lenses, 6 functions for auxiliary services (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 P&T motor power supply (24Vac or 230Vac) and camera (12Vdc or 24Vac)

Up to 40 presets

4 alarm inputs, (preset in case of alarm)

Compatible with protocol PELCO D

Also available in 24Vac (DTRX324)

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



## DTMRX2

### TELEMETRY DATA RECEIVER, 12 FUNCTIONS

11 standard functions for the control of P&T 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

Compatible with protocol PELCO D

Version 24Vac (DTMRX224)

RS232, RS485 repeater for daisy chain configuration

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



## DTRXDC

### TELEMETRY DATA RECEIVER, 13 FUNCTIONS

For remote control of variable speed P&T 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

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



## 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)



# EXDTRX

## TELEMETRY RECEIVER FOR EXPT EX-PROOF P&T UNITS

- 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
- Up to 40 preset positions
- 4 alarm inputs (prepositioning in case of alarm)
- Preset Autotest functions
- RS232, RS485 selectable communication
- Compatible with protocol PELCO D



EXPTC

### EXDTRX CERTIFICATIONS AND MARKINGS

CERTIFICATION	MARKINGS
ATEX	Ex II 2GD Ex d IIC T6, Ex tb IIIC T85°C
EAC Ex	Ex d IIC T6 Gb, Ex td IIIC T85 Db IP66

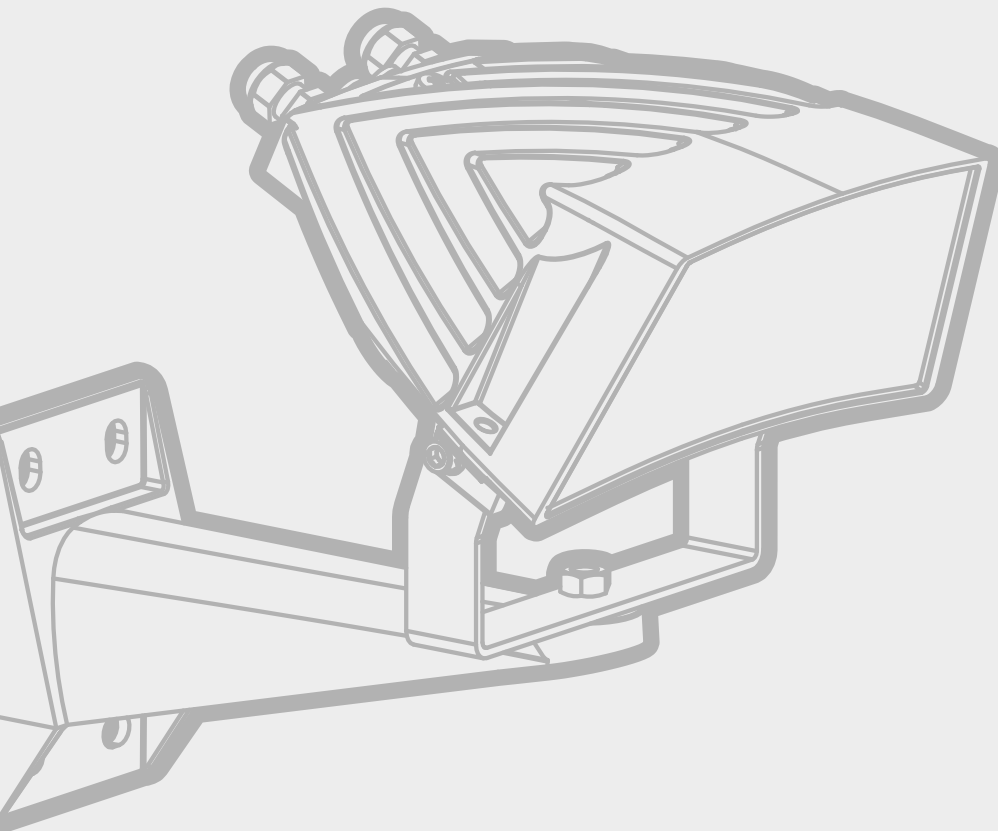
All updates on Certifications and Markings in [www.videotec.com](http://www.videotec.com).

CAMERA BRACKETS	VIDEO TRANSMISSION	VIDEO MANAGEMENT AND CONTROL	VIDEO CONTENT ANALYSIS	ILLUMINATORS	P&T MOTORS AND TELEMETRY	FIXED CAMERAS AND HOUSINGS	PTZ CAMERAS AND PTZ UNITS
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# ILLUMINATORS

## LED 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.



## GEKO IRH LED ILLUMINATOR

High efficiency ultimate SMD LED technology  
 High efficiency heat sink body to ensure maximum LEDs durability  
 Strong aluminium structure  
 Beam pattern: 10°, 30°, 60°  
 Wavelengths: 850nm, 940nm, 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



GEKO IRH white light

HOV + OSUPPIR + GEKO IRH + WBJA

### GEKO IRH - CONFIGURATION OPTIONS

	BEAM PATTERNS	POWER	WAVELENGTH	
IRH	10 Narrow	H High power	8 850nm	A
	30 Medium	L Low power	9 940nm	
	60 Wide		W White light	

The white light (W) is only available in high-power (H) with 30° or 60° beam patterns.  
 The versions in 940nm are available in high power (H).

### GEKO IRH - BEAM PATTERN AND ACHIEVABLE DISTANCES FOR ONE ILLUMINATOR

HORIZONTAL AND VERTICAL BEAM PATTERNS	MAXIMUM DISTANCE			
	850NM, LOW POWER	850NM, HIGH POWER	940NM	WHITE LIGHT
10°	100m (328ft)	140m (460ft)	100m (328ft)	–
30°	60m (197ft)	84m (276ft)	60m (197ft)	60m (197ft) <sup>1</sup>
60°	40m (131ft)	56m (184ft)	40m (131ft)	40m (131ft) <sup>1</sup>

<sup>1</sup> Achievable distances with camera in Day mode (colour image)  
 The distances and the performance depend on the camera/lens used and on the environmental 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



### GEKO IRH SUPPORTS

#### OSUPPIR BRACKET FOR 1 ILLUMINATOR

In aluminium, painted with epoxy polyester 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 ultimate SMD LED technology
- High efficiency heat sink body to ensure maximum LEDs durability
- Strong aluminium structure
- Vandalproof protection (IK10)
- The illuminator is supplied in 12-24Vdc/24Vac or 90-240Vac
- Beam patterns: 10°, 30°, 60°
- Wavelengths: 850nm, 940nm , 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



GEKO IRN 24Vac/12-24Vdc

### GEKO IRN - CONFIGURATION OPTIONS

	BEAM PATTERNS	POWER SUPPLY	WAVELENGTH		VERSION	
IRN	10 Narrow	A 90-240Vac	8 850nm	A	S Single illuminator	00
	30 Medium	B 12-24Vdc, 24Vac	9 940nm			
	60 Wide		W White light			

### GEKO IRN - BEAM PATTERN AND ACHIEVABLE DISTANCES FOR ONE ILLUMINATOR

HORIZONTAL AND VERTICAL BEAM PATTERNS	MAXIMUM DISTANCE		
	850NM	940NM	WHITE LIGHT
10°	240m (787ft)	140m (460ft)	-
30°	130m (427ft)	80m (262ft)	120m (393ft) <sup>1</sup>
60°	80m (262ft)	60m (197ft)	90m (295ft) <sup>1</sup>

<sup>1</sup> Achievable distances with camera in Day mode (colour image)  
 The distances and the performance depend on the camera/lens used and on the environmental conditions.

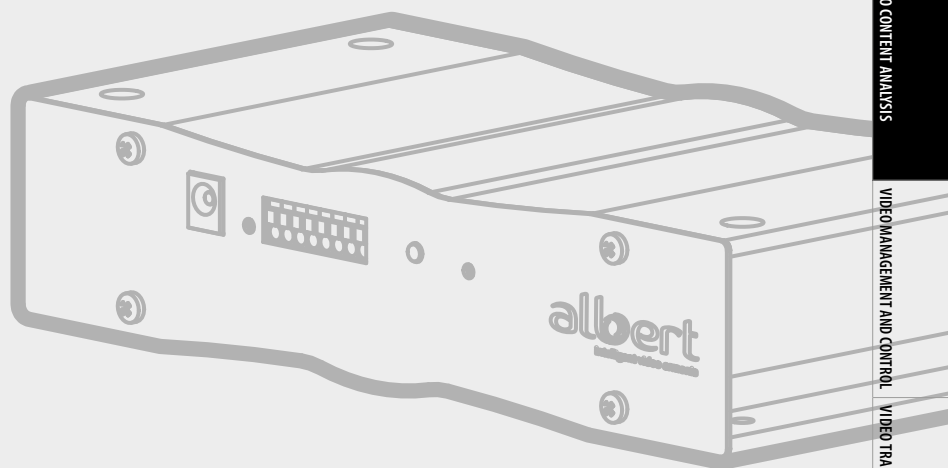
CAMERA BRACKETS	VIDEO TRANSMISSION	VIDEO MANAGEMENT AND CONTROL	VIDEO CONTENT ANALYSIS	ILLUMINATORS	P&T MOTORS AND TELEMETRY	FIXED CAMERAS AND HOUSINGS	PTZ CAMERAS AND PTZ UNITS
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# VIDEO CONTENT ANALYSIS

## VCA - INTELLIGENT VIDEO SYSTEMS

ALBERT is a distributed intelligence system that is based on cooperation between the unit and with an advanced movement analysis system. ALBERT is especially suited to control perimeters, in applications where many events may occur simultaneously and where operators must control a large number of cameras.



PTZ CAMERAS AND PTZ UNITS

FIXED CAMERAS AND HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

VIDEO CONTENT ANALYSIS

VIDEO MANAGEMENT AND CONTROL

VIDEO TRANSMISSION

CAMERA BRACKETS

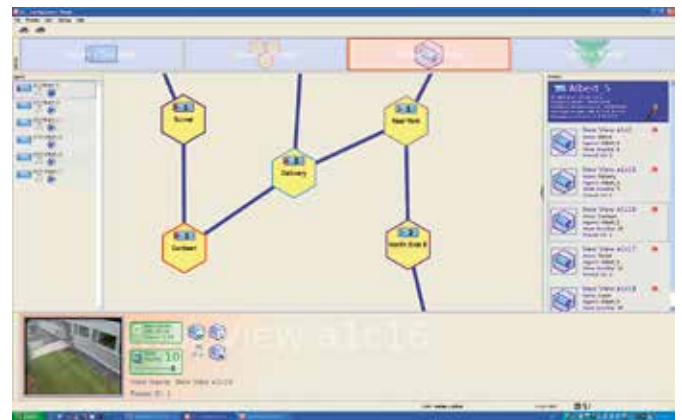
# ALBERT

## 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



Software in action showing views and event log bar.



Preset settings. Association of cameras to areas of interest with easy drag and drop.

PTZ CAMERAS AND PTZ UNITS

FIXED CAMERAS AND HOUSINGS

P&T MOTORS AND TELEMETRY

ILLUMINATORS

VIDEO CONTENT ANALYSIS

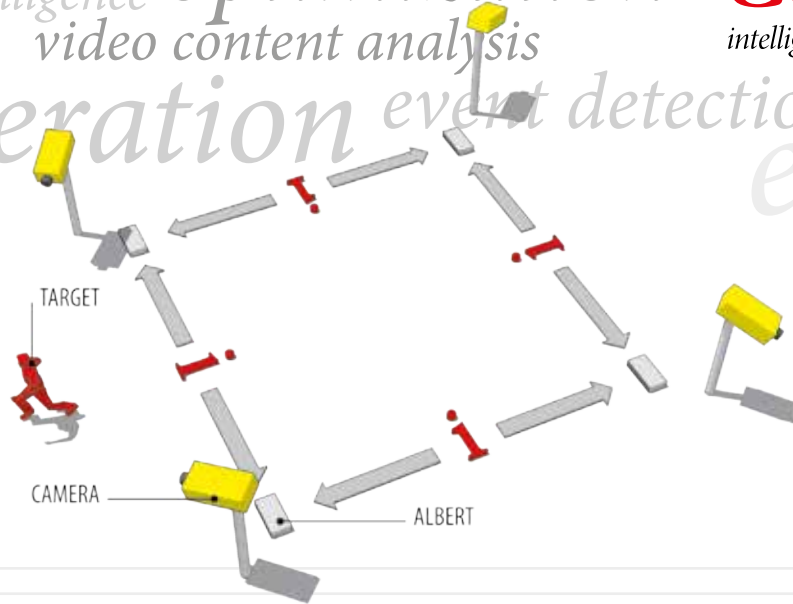
VIDEO MANAGEMENT AND CONTROL

VIDEO TRANSMISSION

CAMERA BRACKETS

artificial intelligence optimization  
 video content analysis  
 cooperation event detection  
 edge

**albert**  
 intelligent video armonia.

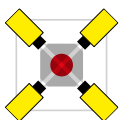


**KEY FEATURES**



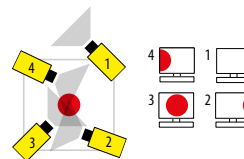
▪ **ASSISTED NAVIGATION**

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



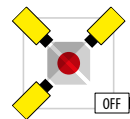
▪ **FOCUS ON THE ALARMED AREA**

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.



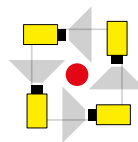
▪ **AUTOMATIC RECORDING**

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.



## EVENT DETECTION

- NO FALSE ALARM IN CASE OF:



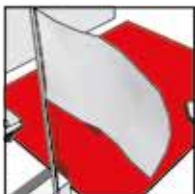
MOVEMENT OF LEAVES



SHADOW VARIATIONS



LIGHT / WEATHER VARIATIONS

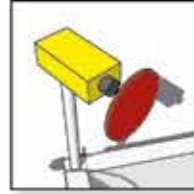


FLOATING OBJECT MOVEMENTS

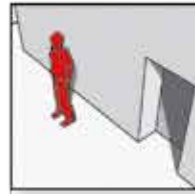
## VCA RULES

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

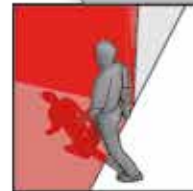
CAMERA TAMPERING



PROLONGUED PRESENCE INSIDE AN AREA



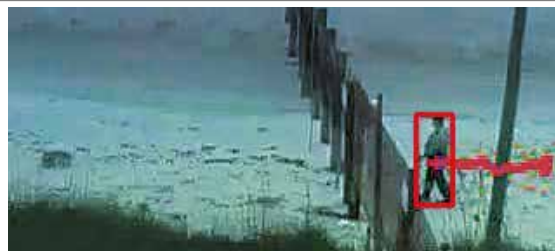
VIRTUAL FENCE



### EVENT DETECTION: SCREENSHOT SAMPLES



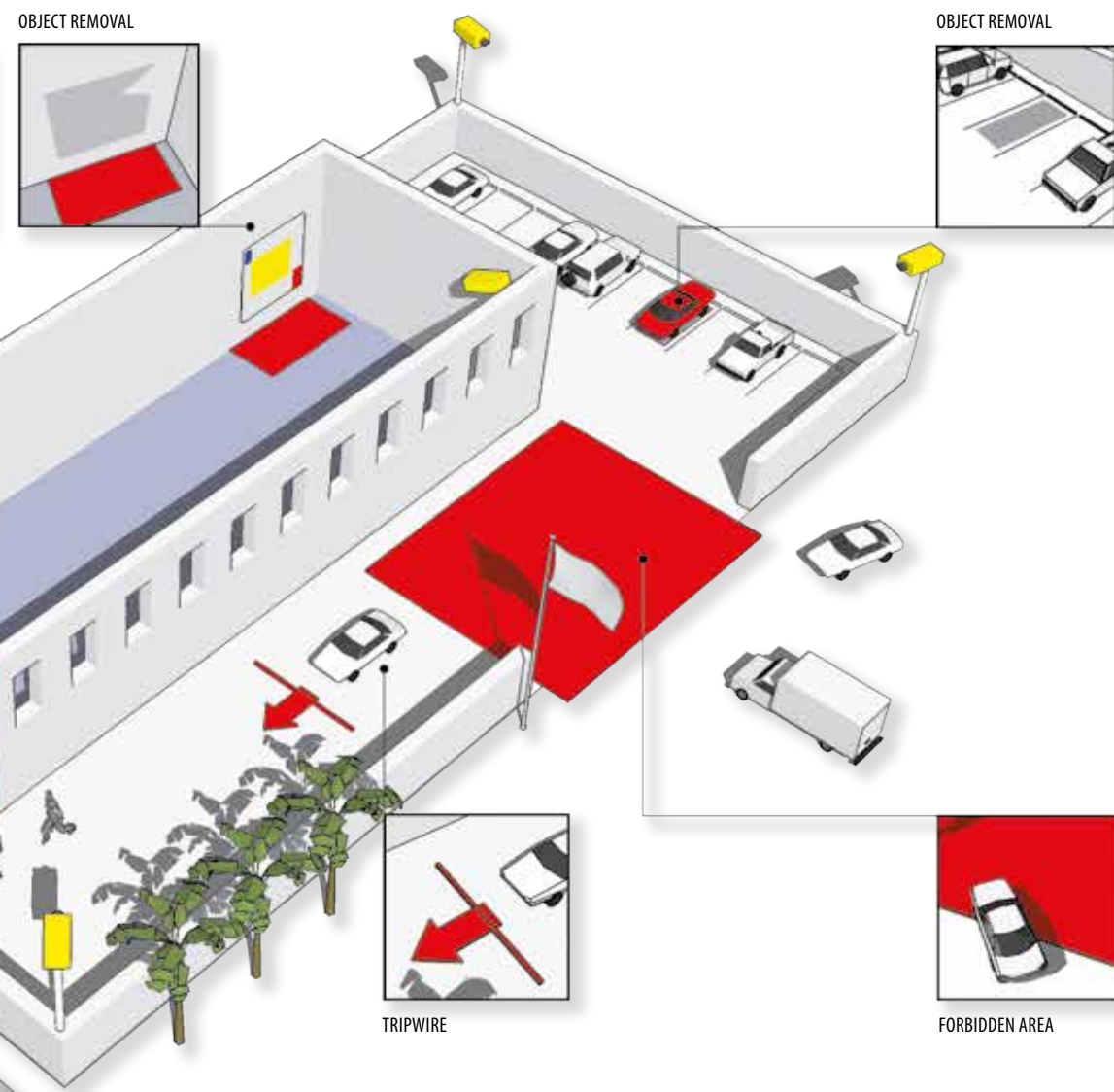
NIGHT-VISION PARKING: FORBIDDEN AREA / INTRUSION.



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



TRAFFIC ROAD: TRIPWIRE.



SEARCH FOR "VIDEOTEC ALBERT" ON  **YouTube**  
Broadcast Yourself™



# VIDEO MANAGEMENT

## CONTROL KEYBOARDS

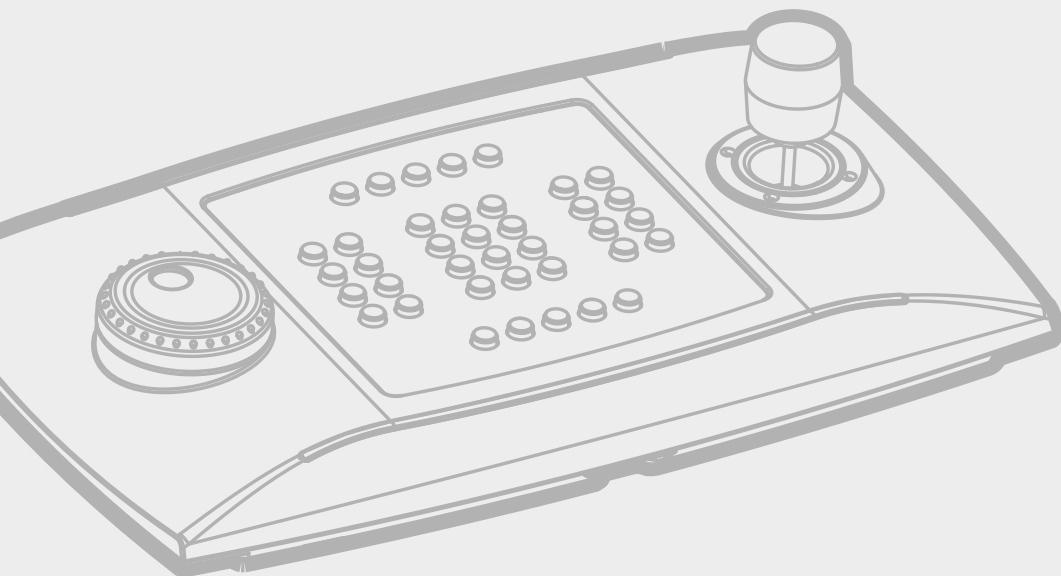
Our keyboards control a wide range of switching devices and most of the speed domes and PTZ available on the market. In addition, the product range includes video transmitters/receivers over twisted pair cable for video signals over long distances.

## VIDEO MATRIX

The system video matrix offers a solution to collect and manage images that are able to switch video inputs onto independent outputs with synchronised sequence among the various monitors.

## VIDEO DISTRIBUTORS

The video distributor is an important component in a TVCC system where the same signal is to be sent to many elaboration points.



## 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-VsolP, 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

### VIDEO 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 independent 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, Lightning 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 / Windows 7 / Windows 7 x64 / Windows 8 / Windows 8 x64 / Linux





## SM328B

### SYSTEM VIDEO MATRIX PAL/NTSC

- 32 video inputs (composite PAL/NTSC 1Vpp)
- 8 video outputs (composite PAL/NTSC 1Vpp) with OSD character (free text, date and time)
- 32 alarm inputs, 8 relay outputs, 1 buzzer
- 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



## 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



## 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
- 2 RS485 serial inputs for max 2 remote keyboards
- Privacy video masking function



## VD

### VIDEO DISTRIBUTORS

- 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



### COMPATIBILITY MATRIX / CONTROL KEYBOARDS

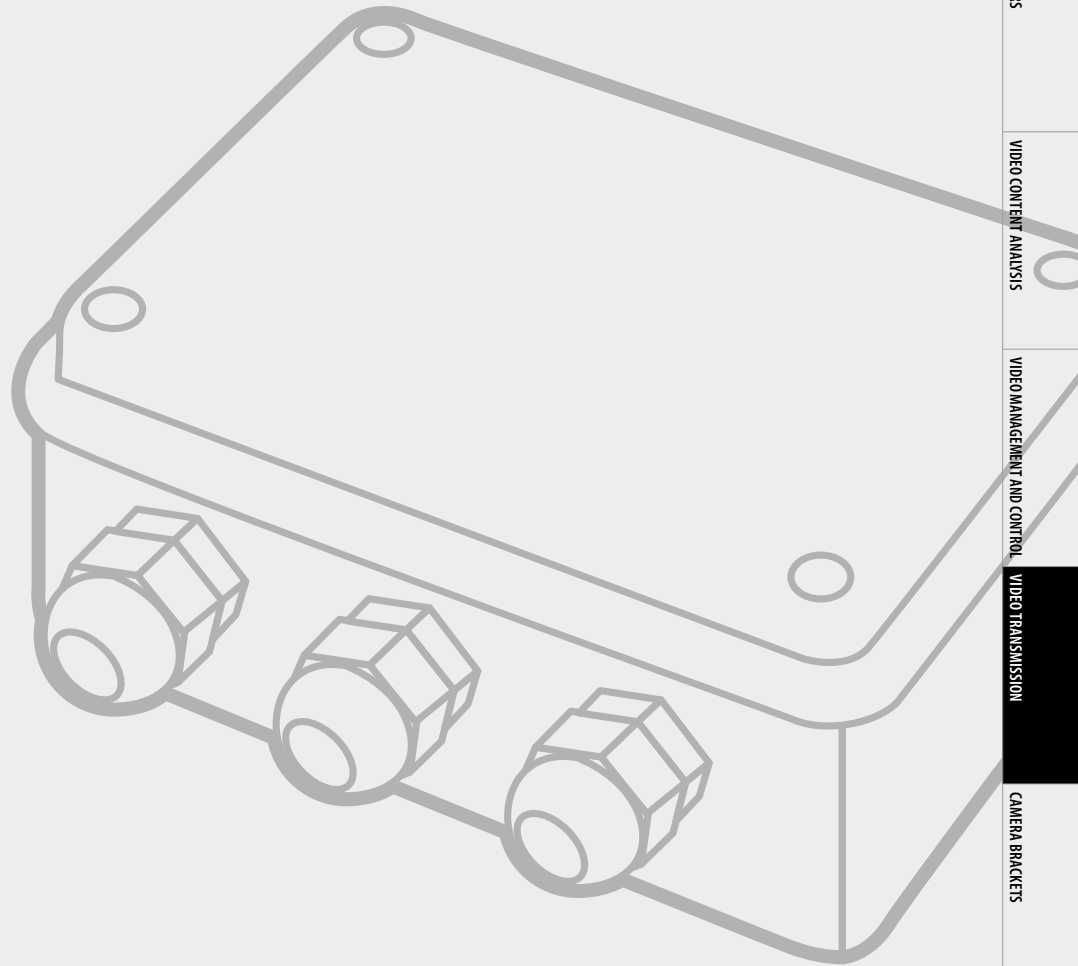
	SM82A	SM164B	SM328B
Max video inputs	8	16	32
Max video outputs	2	4	8
Max operators	2 (+ 1 locally)	4	8
Max alarms	8	16	32
Telemetry	RS485	RS485	RS485
<b>KEYBOARDS</b>			
DCTEL	✓	✓	–
DCJ	✓	✓	✓

CAMERA BRACKETS	VIDEO TRANSMISSION	VIDEO MANAGEMENT AND CONTROL	VIDEO CONTENT ANALYSIS	ILLUMINATORS	P&T MOTORS AND TELEMETRY	FIXED CAMERAS AND HOUSINGS	PTZ CAMERAS AND PTZ UNITS
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# VIDEO TRANSMISSION

## TW SERIES

Videotec video transmission devices comprise pair cable transmitters/receivers to send long-distance signals.



PTZ CAMERAS AND PTZ UNITS

FIXED CAMERAS AND HOUSINGS

P&T MOTORS AND TELEMTRY

ILLUMINATORS

VIDEO CONTENT ANALYSIS

VIDEO MANAGEMENT AND CONTROL

**VIDEO TRANSMISSION**

CAMERA BRACKETS

## 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 ACTIVE 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 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

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. Easy mounting and fixing to any kind of surface.

## WBCLA

### WALL AND CEILING MOUNT

Made of technopolymer material

Load rating: 3kg (6.6lb)

Length: 173mm (6.8in)

Adjustment and fixing by only one bolt

















**OF INNOVATION**

1986 - 2016



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91140 Villebon sur Yvette - France

Tel. +33 1 60491816 - Fax +33 1 69284736

Email: [info.fr@videotec.com](mailto:info.fr@videotec.com)

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