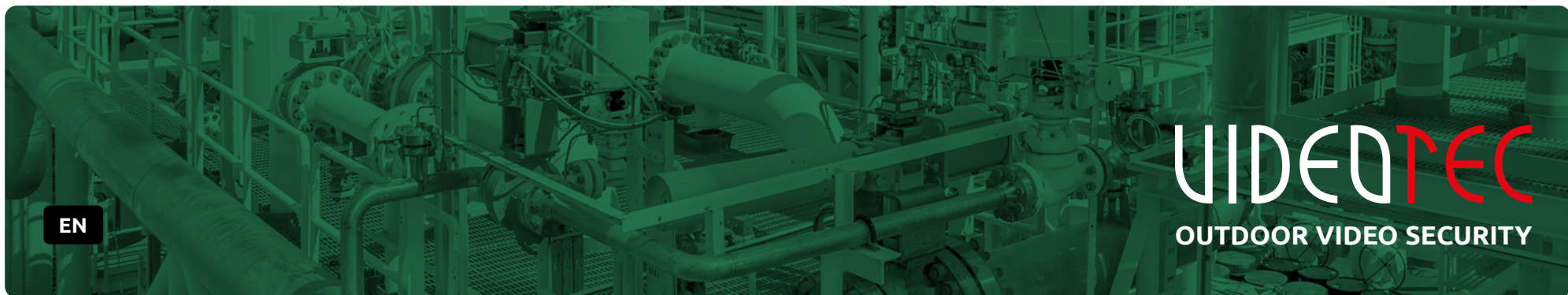


OIL & GAS AND HAZARDOUS AREAS



EN

UIDEOTEC
OUTDOOR VIDEO SECURITY

WITNESS THE EVOLUTION OF OUTDOOR VIDEO SECURITY

Videotec has been operating in the security sector since 1986. The company specialises in the design and production of industrial video surveillance products for outdoor environments.

COMPLETE CONTROL, FROM DESIGN TO PRODUCTION.

We are proud to say that all our video surveillance products are "Made by Videotec". We are experts in all production areas, meaning we have 100% control and can enhance technical evolution in mechanics, electronics, positioning, networking, software and firmware.

OUR SKILL, YOUR CUSTOMISED SOLUTIONS.

Being highly skilled in the 360° design and production of video surveillance products means we can satisfy all requests for customised solutions or integration with third-party systems, always guaranteeing quality, cyber-security, reliability and cutting-edge technology.

OUR STRENGTH, YOUR GROWTH.

We always want to do our best. Our strength comes from our constant commitment to foster skill, ingenuity, and the ability to innovate and arrive at the best solution. That is why our products are used worldwide: our devotion to customer satisfaction means that we are the winning choice.

CERTIFIED QUALITY AS A COMPETITIVE ADVANTAGE.

Videotec is an ISO 9001:2015 & ISO 14001:2015 certified company.

DIFFERENTIATORS: 100% INTERNAL KNOW-HOW AND TECHNOLOGY

Designed to be zero maintenance.

Durability: 3 Years warranty as a standard. Extended warranty available up to 5 years.

Variety of custom choices: Build the best product configuration for your specific application in house.

Certified products: From international industry standards and other environmental product testing.

Open standard integration: Contributing member of ONVIF Testing of VMS and third-party products.

Additional services: Factory/Site Acceptance Testing Videotec Technical Training.



VIDEO SECURITY FOR OIL & GAS AND HAZARDOUS AREAS



Sophisticated products and technologies are required to enable safe operations in Oil&Gas offshore/onshore explorations and production activities. Equipment needs to be specifically designed in compliance with stringent specifications, which may vary according to the country or the type of environment or specific application.

Thanks to 35 years of experience, Videotec can respond to these changing and challenging demands, providing optimal and tailor-made video security solutions.

Whether the type of area is safe or hazardous, Videotec has unsurpassed knowledge in creating video products for hazardous environments. Today, they offer the most advanced, well-researched technical features for surveillance systems that operate in Oil&Gas and offshore/onshore marine industries.

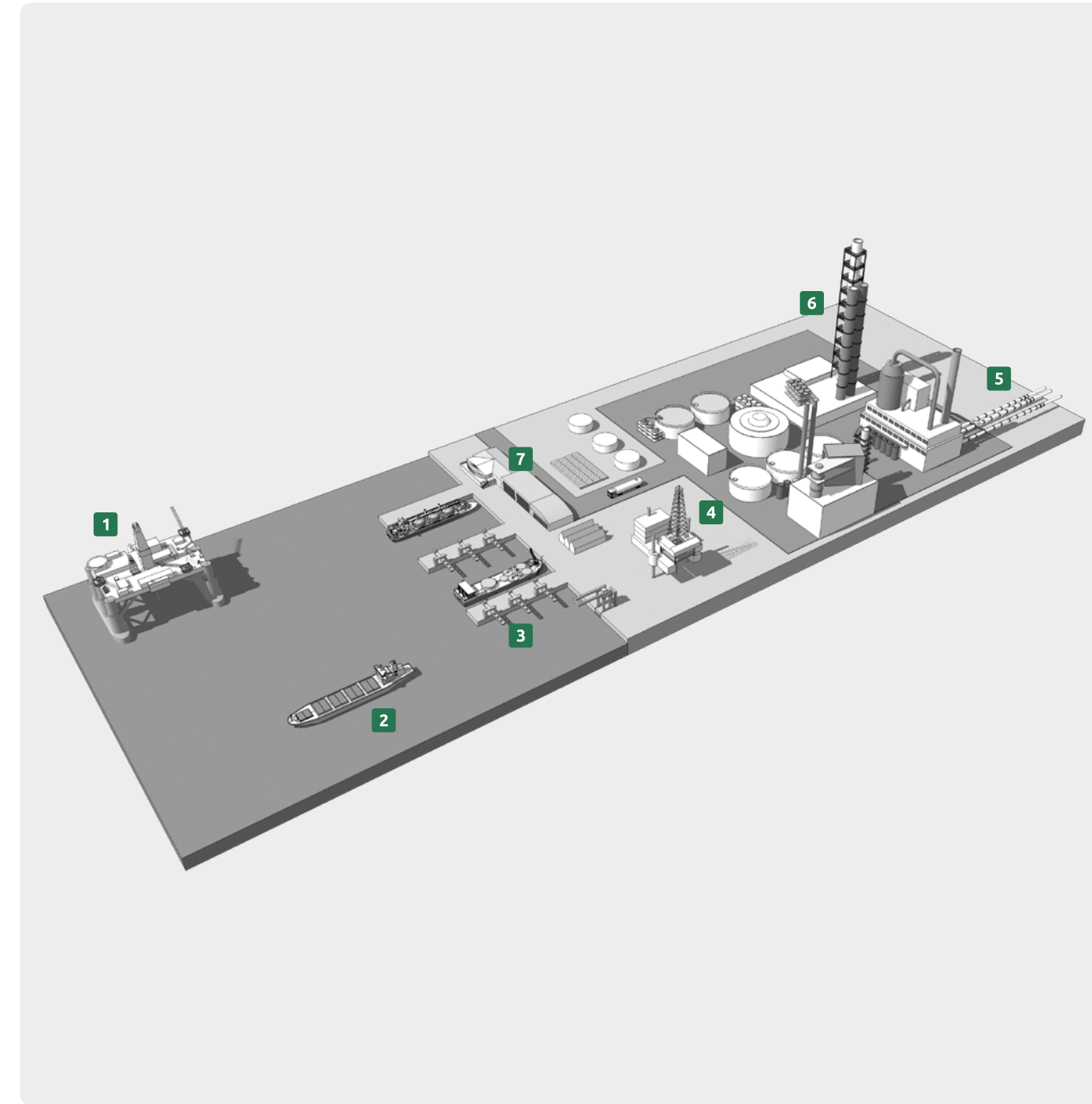
Videotec explosion-proof products boast an unparalleled portfolio of international certificates, obtained through hundreds of validation tests to guarantee their compliance with the standards for installation in potentially explosive environments, given the presence of gas and flammable dust.

These devices are 100% in-house designed and manufactured, using the best quality components and state-of-the-art materials, which leaves no doubt about their exceptional robustness, reliability and unrivalled performance.



BUSINESS SEGMENTS

- Oil & Gas Platforms
- Oil & Gas Drilling Rigs
- Oil Tankers
- Refineries and Petroleum Terminals
- Pipelines
- Industrial Marine Environments
- Military Systems
- Chemical/Pharmaceutical Industries
- Other Industrial Installations
- Food Processing
- Ship Docking



OIL & GAS AREA



1. OIL & GAS PLATFORMS



2. OIL & GAS TANKERS



3. SHIP DOCKING



4. DRILLING RIGS



5. PIPELINES



6. INDUSTRY PLANTS



7. TERMINAL



VIDEOTEC ANALYTICS

The video analysis technology, integrated into Videotec cameras, offers an end-to-end solution for preventative detection of intrusions in outdoor monitoring applications of critical infrastructures, industrial sites and perimeters.

Videotec Analytics is the result of more than 10 years of research and design, carried out by a team of R&D professionals, cooperating together with prestigious international universities and research centres.

THE ADVANTAGES OF VIDEO ANALYTICS

- Maximum preventative anti-intrusion efficiency: every part of the system is designed and automated to allow immediate and preventative actions against any possible threat.
- A reduction in human error and costs.
- Reduced storage space needed: only necessary footage is recorded.
- Optimal external operation in the most critical and complex atmospheric conditions.
- Videotec Analytics enables the geolocation function: GeoMove&Track. This function allows a form of cooperation between two Videotec cameras via an intelligent language to create advanced actions also on the more common video surveillance systems. This function offers the benefit of having a complete, turn-key positioning and tracking solution, guaranteed by Videotec.
- Unbeatable detection performance even at long distances, thanks to the analysis of detail-rich high-definition images.
- Reduced time and effort needed to monitor, detect and search the recordings for anomalous events. The resulting security system is highly efficient, reliable and convenient.

HOW DOES VIDEOTECH ANALYTICS WORK

Every time there is an alarm, the auto-tracking automatically activates, and event metadata is sent to the VMS via the ONVIF protocol. Simultaneously, the security operators are then alerted, and recording starts. The camera keeps the moving target at the centre of the frame and zooms in on the target to make recognition easier. The metadata can be used to frame the target with a bounding box for identification of the subject or can be used to activate alarms or begin recording.

RULES

Depending on the rules set, an alarm starts, and the auto-tracking is activated if an object enters, exits, or appears or stops more than allowed in an area.

CALIBRATION

The operator can calibrate the scene's point of view, so it is possible to render the targets in 3D.

TARGET CLASSIFICATION

After a simple calibration procedure, targets can be classified into the following categories: generic objects, person, vehicle. Thereby, targets will trigger an alarm based on their size. The result is a drastic reduction of false alarms caused by irrelevant targets.

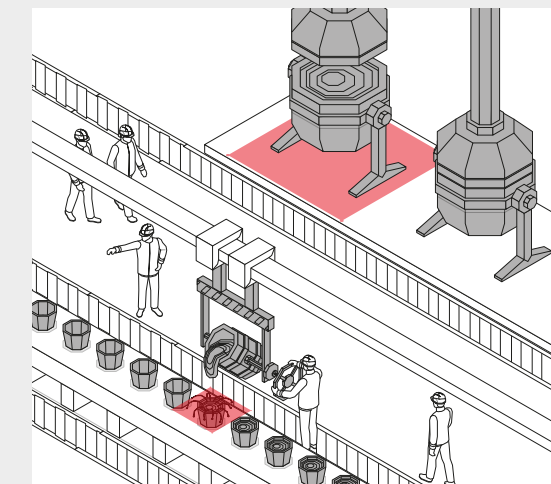
ADVANCE RADIOMETRIC FUNCTIONS

Videotec offers advanced radiometric functions for its thermal cameras, which provide an efficient and preventative surveillance system in hazardous areas.

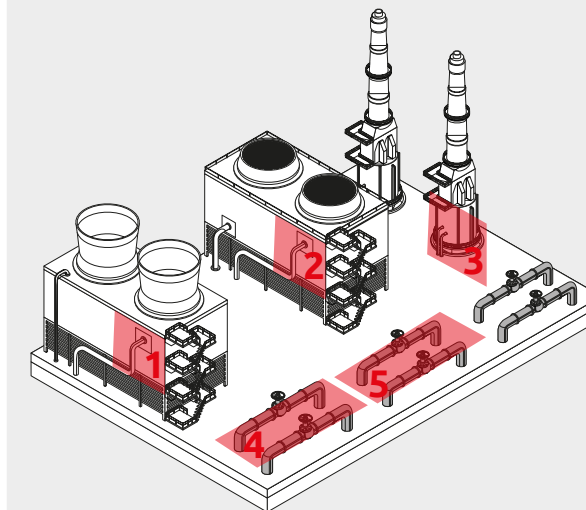
These advanced thermal cameras allow temperature measurement of an object at any point of the image through the definition of 5 ROI (Region Of Interest) for every preset position.

Moreover, with advanced radiometric thermal cameras, it is possible to set alarms based on temperature thresholds. This function is a powerful tool in process automation as it helps the monitoring of vulnerable equipment or sensitive areas or operations. You can detect, for example, the presence (or absence) of a flame in an industrial process or plant.

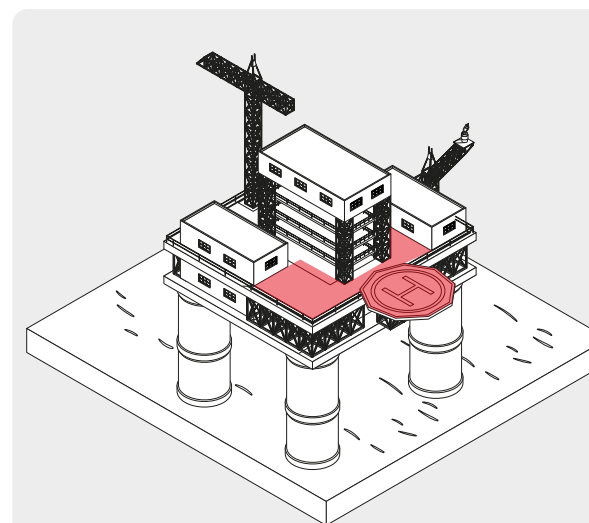
Of course, the dual visible/thermal technology can offer you detection and analytics on the thermal side, while the visible camera can eventually assess with a crisp and clear image.



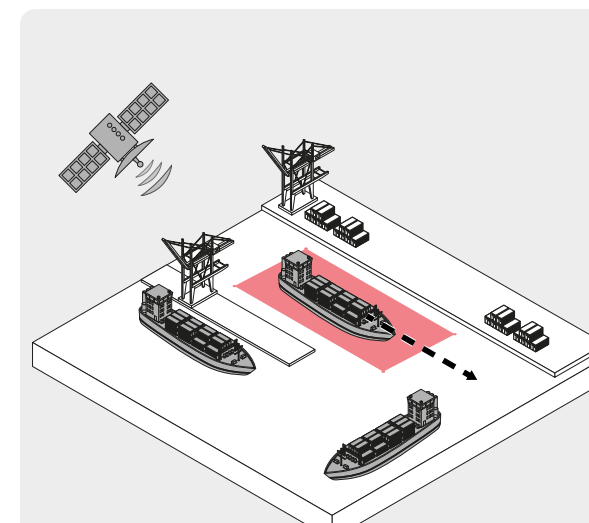
Process Control. By setting alarms based on temperatures, you can detect the presence (or absence) of a flame in an industrial process or plant.



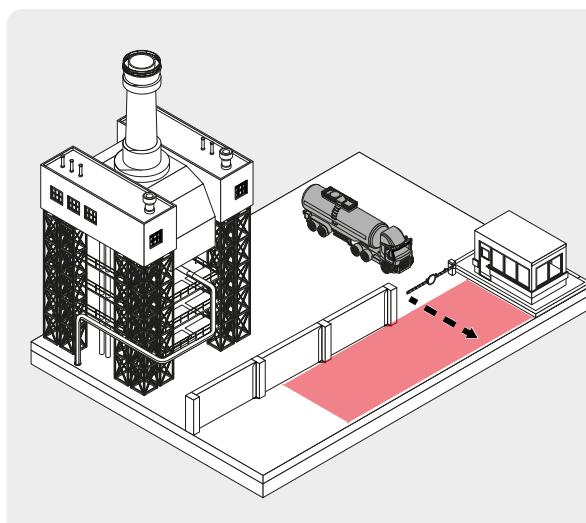
ROI. Advanced radiometry allows temperature measurement of an object at any point of the image through the definition of 5 ROI for every preset position.



Entering/Leaving Area. The target triggers an alarm if it enters or leaves a specific area.



Geo-Move. Geo-Move function can interface with third-party software providing the geo-coordinates of an object.



Safe Area. The target triggers an alarm if it stays in a specific area longer than a defined time.



MAXIMUS MPX SERIES2

EXPLOSION-PROOF PTZ
CAMERAS



The IP PTZs from the new **MAXIMUS SERIES2** line offer the highest performance level and unbeatable competitiveness for security systems in hazardous Oil&Gas, marine and industrial environments.

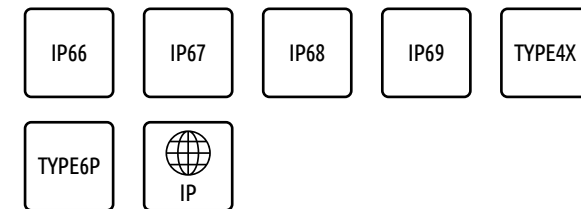
The MAXIMUS SERIES2 range enables PTZ connection via fiber optic thanks to the SFP module.

Models are available with integrated video analysis, with thermal cameras, with dual vision and with built-in IR LED illuminator.

Entirely manufactured in AISI316L stainless steel, the SERIES2 cameras are ideal for use in highly corrosive environments. The high IP degree, IP66/IP67/IP68/IP69, NEMA Type 4X and Type 6P, guarantees complete protection against water and dust entry.

All the versions of the PTZ MAXIMUS SERIES2 are explosion-proof certified with an ambient temperature up to +80°C with international certification for use in Zone 1 and 2, Group IIC for gas, Zone 21 and 22, Group IIIC for dust.

The Lloyd's Register Marine Type Approval System, Test Specification Number 1 certification allows the use in Marine applications.



MAXIMUS MPX SERIES2

EXPLOSION-PROOF
PTZ CAMERAS



MAXIMUS MPX SERIES2

	SONY FCB-EV7520	DELUX TECHNOLOGY
CAMERA		
Type of camera	Day/Night camera	Day/Night camera
Image electronic stabilizer	√	-
Resolution	Full HD (1920x1080)	Full HD (1920x1080)
Minimum illumination	Colour: 0.0013lx (50 IRE, High sensitivity on) B/W: 0.0008lx (30 IRE, High sensitivity on)	Colour: 0.006lx (F1.6, 30 IRE) B/W: 0.0006lx (F1.6, 30 IRE)
Zoom	30x (360x with digital zoom)	30x (480x with digital zoom)
Lens	f= from 4.3mm (wide) up to 129mm (tele), from F1.6 up to F14	f= from 4.5mm (wide) up to 135mm (tele), from F1.6 up to F9.6
Privacy zones masking	√ (dynamic masking)	√
MECHANICAL		
Material	AISI 316L stainless steel construction	AISI 316L stainless steel construction
Cable entry	2 holes 3/4" NPT	2 holes 3/4" NPT
Horizontal rotation	360°, continuous rotation	360°, continuous rotation
Vertical rotation	From -90° up to +90°	From -90° up to +90°
Horizontal speed (variable)	From 0.1°/s up to 100°/s	From 0.1°/s up to 100°/s
Tilt speed (variable)	From 0.1°/s up to 100°/s	From 0.1°/s up to 100°/s
ELECTRICAL		
Supply voltage/current consumption	230Vac, 0.5A, 50/60Hz 24Vac, 5A, 50/60Hz 120Vac, 1A, 50/60Hz 220Vac, 0.54A, 50/60Hz 100Vac, 1.2A, 50/60Hz	230Vac, 0.5A, 50/60Hz 24Vac, 5A, 50/60Hz 120Vac, 1A, 50/60Hz 220Vac, 0.54A, 50/60Hz 100Vac, 1.2A, 50/60Hz
Power consumption	120W max	120W max
Optical fiber	Slot SFP	Slot SFP
SOFTWARE		
Communication protocol	ONVIF, Profile Q, Profile S and Profile T	ONVIF, Profile Q, Profile S and Profile T
Video compression	H.264/AVC, MJPEG, MPEG4, snapshot JPEG	H.264/AVC, MJPEG, MPEG4, snapshot JPEG
Video analytics	optional	optional
ENVIRONMENT		
Certification temperature	From -40°C (-40°F) up to +80°C (+176°F)	From -40°C (-40°F) up to +80°C (+176°F)

MAXIMUS MPXR & MPXT SERIES2

EXPLOSION-PROOF
PTZ CAMERAS



MAXIMUS MPXR SERIES2



MAXIMUS MPXT SERIES2

CAMERA		
Type of camera	Thermal camera	Thermal camera + Day/Night camera
Radiometric analysis	√	√
Image electronic stabilizer	-	√
Resolution	720x480 (interpolated resolution)	Thermal camera: 720x480 (interpolated resolution) Day/Night: Full HD (1920x1080)
Minimum illumination	-	Day/Night Colour: 0.0013lx (50 IRE, High sensitivity on) B/W: 0.0008lx (30 IRE, High sensitivity on)
Zoom	640x512: 2x, 4x (digital zoom) 336x256: 2x, 4x, 8x (digital zoom)	Thermal camera: 2x, 4x (336x256), digital zoom 2x, 4x, 8x (640x512), digital zoom Day/Night: 30x (360x with digital zoom)
Lens	35mm (1.38in), 25mm (0.98in), 19mm (0.7in), 13mm (0.5in), 9mm (0.35in)	Thermal camera: 9mm, 13mm, 19mm, 25mm, 35mm Day/Night: f= from 4.3mm (wide) up to 129mm (tele), from F1.6 up to F14
Privacy zones masking	-	√ (dynamic masking)
MECHANICAL		
Material	AISI 316L stainless steel construction	AISI 316L stainless steel construction
Cable entry	2 holes 3/4" NPT	2 holes 3/4" NPT
Horizontal rotation	360°, continuous rotation	360°, continuous rotation
Vertical rotation	From -90° up to +90°	From -90° up to +90°
Horizontal speed (variable)	From 0.1°/s up to 100°/s	From 0.1°/s up to 100°/s
Tilt speed (variable)	From 0.1°/s up to 100°/s	From 0.1°/s up to 100°/s
ELECTRICAL		
Supply voltage/current consumption	230Vac, 0.5A, 50/60Hz 24Vac, 5A, 50/60Hz 120Vac, 1A, 50/60Hz 220Vac, 0.54A, 50/60Hz 100Vac, 1.2A, 50/60Hz	230Vac, 0.5A, 50/60Hz 24Vac, 5A, 50/60Hz 120Vac, 1A, 50/60Hz 220Vac, 0.54A, 50/60Hz 100Vac, 1.2A, 50/60Hz
Power consumption	120W max	120W max
Optical fiber	Slot SFP	Slot SFP
SOFTWARE		
Communication protocol	ONVIF, Profile Q, Profile S and Profile T ONVIF Thermal Service	Thermal camera: ONVIF, Profile Q, Profile S and Profile T ONVIF Thermal Service Day/Night: ONVIF, Profile Q, Profile S and Profile T
Video compression	H.264/AVC, MJPEG, MPEG4, snapshot JPEG	H.264/AVC, MJPEG, MPEG4, snapshot JPEG
ENVIRONMENT		
Certification temperature	From -40°C (-40°F) up to +80°C (+176°F)	From -40°C (-40°F) up to +80°C (+176°F)

MAXIMUS MPXL SERIES2

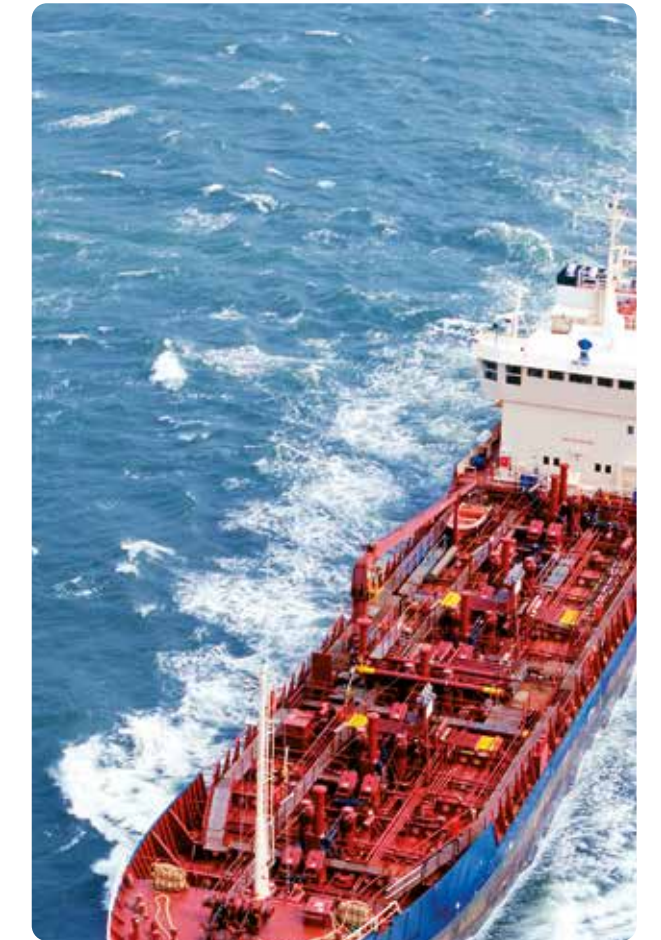
EXPLOSION-PROOF
PTZ CAMERAS



NEW

MAXIMUS MPXL SERIES2

CAMERA	
Type of camera	Day/Night camera
Radiometric analysis	-
Image electronic stabilizer	√
Resolution	Full HD (1920x1080)
Minimum illumination	Colour: 0.0013lx (50 IRE, High sensitivity on) B/W: 0.0008lx (30 IRE, High sensitivity on)
Zoom	30x (360x with digital zoom)
Lens	f= from 4.3mm (wide) up to 129mm (tele), from F1.6 up to F14
Privacy zones masking	√ (dynamic masking)
LED ILLUMINATOR	
Wavelength	850nm
Maximum viewing distance	200m
MECHANICAL	
Material	AISI 316L stainless steel construction
Cable entry	2 holes 3/4" NPT
Horizontal rotation	360°, continuous rotation
Vertical rotation	From -90° up to +90°
Horizontal speed (variable)	From 0.1°/s up to 100°/s
Tilt speed (variable)	From 0.1°/s up to 100°/s
ELECTRICAL	
Supply voltage/current consumption	to 220Vac up to 230Vac, 0.5A, 50/60Hz 24Vac, 5A, 50/60Hz 120Vac, 1A, 50/60Hz 100Vac, 1.2A, 50/60Hz
Power consumption	120W max
SOFTWARE	
Communication protocol	ONVIF, Profile Q, Profile S and Profile T
Video compression	H.264/AVC, MJPEG, MPEG4, snapshot JPEG
Video analytics	optional
ENVIRONMENT	
Certification temperature	From -40°C (-40°F) up to +70°C (158°F)





MAXIMUS MVX & MVXT

EXPLOSION-PROOF
CAMERAS

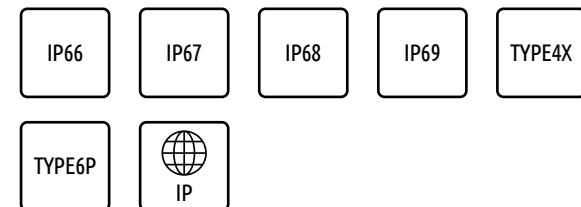


The **MAXIMUS MVX** range of cameras offers effective video surveillance and process control in critical environments where the air is potentially explosive due to the presence of flammable gases or dust. Hazardous areas can frequently be found in the Oil & Gas, marine and industrial sectors.

The MVX range meets the most stringent international standards, achieving the required certification levels for use in Zones 1 and 2 (Gas), Group IIC T5 and 6, and Zones 21 and 22 (Dust), Group IIIC T100°C and T85°C.

The extensive temperature range of certification, from -60°C to +65°C with a sophisticated cold start system, offers the possibility of working in extreme environments.

The MAXIMUS MVX series products are Lloyd's Register Type Approval System, Test Specification Number 1 certified and therefore, can be used in Marine and Offshore applications for environmental categories ENV1, ENV2, ENV3 and ENV5.



MAXIMUS MVX & MVXT

EXPLOSION-PROOF
CAMERAS



MAXIMUS MVX



MAXIMUS MVXT

	IP video output	IP video output	IP video output	Analogue video output
CAMERA	SONY FCB-EV7520 CAMERA	DELUX TECHNOLOGY	IP	ANALOG
Type of camera	Day/Night camera	Day/Night camera	Thermal camera	Thermal camera
Radiometric analysis	-	-	√	-
Image electronic stabilizer	√	-	-	-
Resolution	Full HD (1920x1080)	Full HD (1920x1080)	720x480 (interpolated resolution)	PAL 720x576 (interpolated resolution), NTSC 720x480(interpolated resolution)
Minimum illumination	Colour: 0.0013lx (50 IRE, High sensitivity on) B/W: 0.0008lx (30 IRE, High sensitivity on)	Colour: 0.006lx (F1.6, 30 IRE) B/W: 0.0006lx (F1.6, 30 IRE)	-	-
Zoom	30x (360x with digital zoom)	30x (480x with digital zoom)	2x, 4x (336x256) 2x, 4x, 8x (640x512)	2x, 4x (336x256) 2x, 4x, 8x (640x512)
Lens	f= from 4.3mm (wide) up to 129mm (tele), from F1.6 up to F14	f= from 4.5mm (wide) up to 135mm (tele), from F1.6 up to F9.6	9mm, 13mm, 19mm, 25mm, 35mm, 50mm, 60mm	9mm, 13mm, 19mm, 25mm, 35mm, 50mm, 60mm
Privacy zones masking	√ (dynamic masking)	√	-	-
MECHANICAL				
Material	AISI 316L stainless steel construction	AISI 316L stainless steel construction	AISI 316L stainless steel construction	AISI 316L stainless steel construction
Cable glands	Cable gland with gasket Ex d 3/4"NPT and 4m/10m (13ft/33ft) preinstalled multipolar armoured cable or with 4m (13ft)/10m (32.8ft) cable tail (for installation with conduit, conduit sealing fitting and conduit not included)	Cable gland with gasket Ex d 3/4"NPT and 4m/10m (13ft/33ft) preinstalled multipolar armoured cable or with 4m (13ft)/10m (32.8ft) cable tail (for installation with conduit, conduit sealing fitting and conduit not included)	Cable gland with gasket Ex d 3/4"NPT and 4m/10m (13ft/33ft) preinstalled multipolar armoured cable or with 4m (13ft)/10m (32.8ft) cable tail (for installation with conduit, conduit sealing fitting and conduit not included)	Cable gland with gasket Ex d 3/4"NPT and 4m/10m (13ft/33ft) preinstalled multipolar armoured cable or with 4m (13ft)/10m (32.8ft) cable tail (for installation with conduit, conduit sealing fitting and conduit not included)
Glass cleaning device	Integrated wiper	Integrated wiper	-	-
ELECTRICAL				
Supply voltage/current consumption	24Vac, 2.2A, 50/60Hz 24Vdc, 2.2A 12Vdc, 3.5A	24Vac, 2.2A, 50/60Hz 24Vdc, 2.2A 12Vdc, 3.5A	24Vac, 2.2A, 50/60Hz 24Vdc, 2.2A 12Vdc, 3.5A	24Vac, 2.2A, 50/60Hz 24Vdc, 2.2A 12Vdc, 3.5A
Power consumption	50W max	50W max	50W max	50W max
SOFTWARE				
Communication protocol	ONVIF, Profile Q, Profile S and Profile T	ONVIF, Profile Q, Profile S and Profile T	ONVIF, Profile Q, Profile S and Profile T, ONVIF Thermal Service	-
Serial communication protocol	-	-	-	PANASONIC, PELCO D, VIDEOTECH MACRO
Video compression	H.264/AVC, MJPEG, MPEG4, snapshot JPEG	H.264/AVC, MJPEG, MPEG4, snapshot JPEG	H.264/AVC, MJPEG, MPEG4, snapshot JPEG	-
ENVIRONMENT				
Certification temperature	from -60°C (-76°F) up to +65°C (149°F)	from -60°C (-76°F) up to +65°C (149°F)	from -60°C (-76°F) up to +65°C (149°F)	from -60°C (-76°F) up to +65°C (149°F)



MAXIMUS MMX

EXPLOSION-PROOF
CAMERAS



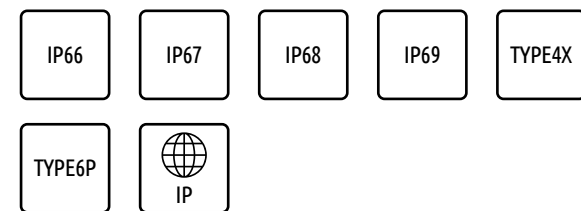
The explosion-proof **MAXIMUS MMX** camera is perfect for efficient video surveillance and control of processes in hazardous environments where the atmosphere is potentially explosive due to the presence of flammable gas or dust, typical of the Oil&Gas, marine or industrial and foodstuff sectors.

The Full HD, 1080p camera, with 3x or 10x motorised zoom lens, offers multiple video streams (H.264/AVC, MJPEG, JPEG, MPEG4) and provides exceptional image quality, picking out every detail in a scene, even in the harshest environmental conditions.

An absolute advantage offered by this camera is its easy and safe installation. The camera can be supplied with multipolar cabling. The camera can also be powered in PoE+, thereby allowing further simplification of installation operations.

Brackets for wall, ceiling and parapet installation and sunshield are supplied as a standard.

The MAXIMUS MMX product is Lloyd's Register Type Approval System, Test Specification Number 1 certified and therefore can be used in Marine and Offshore applications for environmental categories ENV1, ENV2, ENV3 and ENV5.



MAXIMUS MMX

EXPLOSION-PROOF
CAMERAS



MAXIMUS MMX

CAMERA	WITH DAY/NIGHT CAMERA 10X ZOOM	WITH DAY/NIGHT CAMERA 3X ZOOM
Type of camera	IP video output	IP video output
Image electronic stabilizer	✓	-
Resolution	Full HD (1920x1080)	Full HD (1920x1080)
Zoom	10x (320x with digital zoom)	3x (36x with digital zoom)
Lens	f= from 5.1mm (wide) up to 51mm (tele), from F1.6 up to F1.8	f= from 3.0mm (wide) up to 9.0mm (tele), from F1.2 up to F2.1
Privacy zones masking	✓	✓
MECHANICAL		
Material	AISI 316L stainless steel construction	AISI 316L stainless steel construction
Cable glands	Cable gland with gasket Ex d 1/2" NPT only for version with pre-installed multipolar armoured cable 4m (13ft)/10m (32.8ft)	Cable gland with gasket Ex d 1/2" NPT only for version with pre-installed multipolar armoured cable 4m (13ft)/10m (32.8ft)
Supplied brackets	Supports for wall, ceiling or parapet installation	Supports for wall, ceiling or parapet installation
ELECTRICAL		
Supply voltage/current consumption	24Vac, 1.32A, 50/60Hz 24Vdc, 0.9A PoE+ (IEEE 802-at), 0.46A	24Vac, 1.32A, 50/60Hz 24Vdc, 0.9A PoE+ (IEEE 802-at), 0.46A
Power consumption	21W (24Vac, 1.32A, 50/60Hz) 20W (24Vdc, 0.9A) 21W (PoE+, 0.46A)	21W (24Vac, 1.32A, 50/60Hz) 20W (24Vdc, 0.9A) 21W (PoE+, 0.46A)
SOFTWARE		
Communication protocol	ONVIF, Profile Q, Profile S and Profile T	ONVIF, Profile Q, Profile S and Profile T
Video compression	H.264/AVC, MJPEG, MPEG4, snapshot JPEG	H.264/AVC, MJPEG, MPEG4, snapshot JPEG
ENVIRONMENT		
Certification temperature	from -40°C (-40°F) up to +70°C (158°F)	from -40°C (-40°F) up to +70°C (158°F)

MAXIMUS MHX MAXIMUS MHXT EXHC

EXPLOSION-PROOF HOUSINGS



The **MAXIMUS MHX** explosion-proof housings meet the strictest standards required for installation in hazardous environments where gas and flammable dust may be present (Zone 1 and 2, Group IIC for gas and Zone 21 and 22, for Group IIIC for dust). Made entirely of electro-polished AISI 316L stainless steel, these housings allow the camera inside to work perfectly in harsh environments, such as refineries, pipelines, tankers, off-shore rigs and industrial processes.

The **MHX** housing has a corresponding installation and working temperature range of -40 °C to +60 °C. The MHX model with a wiper has an in-built telemetry receiver that allows data to be received, via the serial RS-485 interface, so that the wiper and washer pump can be operated remotely, and external illuminators may be lit. Wiring the device is made easier thanks to removable connectors on the connection circuit. The **MHXT** model features a window made of germanium, a material that provides clear vision for thermal cameras.

The explosion-proof **EXHC** housings are ideal for use in areas where there is a risk of explosion and are certified Zone 1 and 2, Group IIC for gas and Zone 21 and 22, for Group IIIC for dust. These housings are made entirely of anti-corrosion aluminium. All components are oven-fire painted and provide high resistance to ultraviolet rays, saline mist and polluting agents that are present in the surrounding atmosphere.

The **EXHC003G** model features a window made of Germanium for thermal cameras. Heating is standard supplied, while the sunshield is optional.

MAXIMUS MHX MAXIMUS MHXT	IP66	IP67	TYPE4X
EXHC	IP66		

MAXIMUS MHX & MHXT EXHC

EXPLOSION-PROOF
HOUSINGS



MAXIMUS MHX

MAXIMUS MHXT

EXHC

EXHC THERMAL

MECHANICAL

Material	AISI 316L stainless steel construction	AISI 316L stainless steel construction	Non-corrosive aluminium (anticorodal)	Non-corrosive aluminium (anticorodal)
Housing's window	Tempered extra clear glass	Germanium with protection grid	Extra clear glass	Germanium with protection grid
Internal usable area	80x82x245mm (3.1x3.2x9.6in)	80x82x245mm (3.1x3.2x9.6in)	100x100x280mm (3.9x3.9x11in)	100x100x280mm (3.9x3.9x11in)
Glass cleaning device	optional	-	-	-
Cable entry	2 holes 3/4" NPT for cable entry	2 holes 3/4" NPT for cable entry	2 holes 3/4" NPT for cable entry	2 holes 3/4" NPT for cable entry

ELECTRICAL

Supply voltage/current consumption	230Vac, 0.34A, 50/60Hz 120Vac, 0.5A, 50/60Hz 24Vac, 2.2A, 50/60Hz	230Vac, 0.34A, 50/60Hz 120Vac, 0.5A, 50/60Hz 24Vac, 2.2A, 50/60Hz	230Vac, 0.3A, 50/60Hz 24Vac, 2.5A, 50/60Hz	230Vac, 0.3A, 50/60Hz 24Vac, 2.5A, 50/60Hz
Power consumption	Compatible cameras: 13W max	Compatible cameras: 13W max	Installable camera: 20W	Installable camera: 20W

ENVIRONMENT

Certification temperature	From -40°C (-40°F) up to +60°C (140°F)	From -40°C (-40°F) up to +60°C (140°F)	From -40°C (-40°F) up to +50°C (122°F)	From -40°C (-40°F) up to +50°C (122°F)
IP protection degree	IP66, IP67	IP66, IP67	IP66	IP66



SAFE AREAS

In addition to products certified for hazardous zones, Videotec offers a wide range of state-of-the-art products suitable for the surveillance of sensitive targets in **safe areas**.

They have no application limits and are widely employed worldwide in industrial process and the monitoring of vulnerable equipment, outdoor storage areas and perimeters.

All devices have robust and durable casing protecting systems from corrosion, ultraviolet radiation damage, extreme environmental conditions and even high-pressure water jets.

These systems can be easily integrated with third-party process monitoring and security systems.



ULISSE PTZ CAMERAS

Videotec ULISSE line of PTZ cameras are especially strong in outdoor perimeter surveillance as stand-alone with proprietary analytic and/or integrated with third parties sensors. Different models are available and offer:

- a Wide Range Monitoring and a High Zoom Ratio as the lens of a PTZ camera can be operated remotely and or analytic assisted (auto-tracking) to switch to the direction you want to view.
- Cameras cooperation and GeoMove functions, allowing a camera to send the target geo-coordinates to a second PTZ camera, which uses them to frame the target.
- Strong Low Light performance in colour even in dark locations.
- Cameras with an IR LED or Thermal cameras can monitor completely dark environments. Intruders detection is made possible in areas without the minimum level of illumination required.



GENERAL PURPOSE CAMERA HOUSINGS

The Videotec housings, made from aluminium or plastic materials, meet any requirement for perfect working in extreme outdoor environments.

The supports and adapters are with or without cable protection and provide a solution for any need. A variety of accessories is available: heating, camera power supply, tamper switch, fans and filters, wiper and washer systems.

The POLAR model protects the camera inside against temperatures down to -55 °C.

The IPM housings optimally operate with HiPoE technology. They use the power supplied by the Ethernet cable as the sole power source for all connected devices. The system offers maximum efficiency of the network system as well as user-friendly installation and low costs.



STAINLESS STEEL CAMERAS

The NVX and NTX cameras have advanced anti-corrosion properties and feature a compact and lightweight design, which facilitates their installation and maintenance, also thanks to the quick connectors.

They are ideal for applications in marine and industrial environments, the rail and transport sector and motorway tunnels.

These cameras have exceptional corrosion resistance, ample temperature range and protection degree of IP66/IP67/IP68/IP69.

The NTX is a thermal camera with radiometric functions allowing the detection of the temperature and setting of an alarm based on temperature thresholds.

ACCESSORIES



FM1010
EMC FILTER FOR MARINE CERTIFICATION
 • The filter must be connected to the power line of the equipment
 • The filter is not explosion-proof certified
 • Implement adequate protection if used in potentially explosive classified environments (e.g. Atex)
 • Electrical data: from 0 up to 250V DC/AC 50/60 Hz, 6A



MAXIMUS MBX
EXPLOSION-PROOF COMMUNICATION BOX IN STAINLESS STEEL
 • Embedded Ethernet switch with four channels
 • 2 bypass for analog video signals with BNC connectors
 • 2 bypass for I/O signals with multi-pin connectors
 • Input voltages available: 230Vac, 120Vac, 24Vac
 • MAXIMUS MBX exclusively supports Videotec products from the Maximus range with 24Vac and Wases with 24Vac



NEW

MAXIMUS MLX
EXPLOSION-PROOF ILLUMINATOR
 • AISI 316L electropolished stainless steel
 • Model with IR 850nm or white light
 • Power supply: 24Vac or 24Vdc or PoE+ (IEEE 802-3at)
 • Consumption: 25.5W



WASEX
WASHER PUMP WITH EXPLOSION-PROOF SOLENOID VALVE
 • Delivery head: up to 30m (98ft)
 • Water tank capacity: 10l (2.6gal)
 • Power supply: 24Vac or 24Vdc
 • Consumption: 5W
 • Version with Pressure switch



MAXIMUS MBA
EXPLOSION-PROOF COMMUNICATION BOX IN ALUMINIUM
 • Embedded Ethernet switch with four channels
 • 2 bypass for analog video signals with BNC connectors
 • 2 bypass for I/O signals with multi-pin connectors
 • Input voltages available: 230Vac, 120Vac, 24Vac
 • MAXIMUS MBA exclusively supports Videotec products from the Maximus range with 24Vac and Wases with 24Vac



EXPLOSION-PROOF CAMERA & HOUSING BRACKETS

	MAXIMUS MPX SERIESZ	MAXIMUS MPXR SERIESZ	MAXIMUS MPXT SERIESZ	MAXIMUS MPXL SERIESZ	MAXIMUS MVX	MAXIMUS MVXT	MAXIMUS MMX	MAXIMUS MHX	MAXIMUS MHXT	EXHC-EXHC THERMAL
<p>MPXWBA WALL MOUNT BRACKET • Made of AISI 316L electropolished stainless steel • Load rating: 40kg (88lb) • Length: 400mm (15.7in) • Can be coupled with modular components (MPXCW, MPXCOL)</p>	√	√	√	√	-	-	-	-	-	-
<p>MPXCOL POLE MOUNT ADAPTOR • AISI 316L electropolished stainless steel • For pole diameters: from 110mm (4.3in) up to 150mm (5.9in) • Load rating: 50kg (110lb) • Dim.: 198x182mm (7.8x7.2in)</p>	√	√	√	√	-	-	-	-	-	-
<p>MPXCW CORNER MOUNT ADAPTOR • Load rating: 50kg (110lb) • Dimensions: 335x186mm (13.2x7.3in)</p>	√	√	√	√	-	-	-	√	√	-
<p>MPXWBTA PARAPET OR CEILING MOUNTING BRACKET • AISI 316L electropolished stainless steel • Load rating: 40kg (88lb) • Dimensions: Ø 238mm (9.4in)</p>	√	√	√	√	-	-	-	-	-	-
<p>MMXCWCOL POLE AND CORNER ADAPTOR MODULE • Load rating: 30kg (66lb) • For pole diameters: from 60mm (2.36in) up to 200mm (7.9in) • Dim.: 120x86mm (4.7x3.4in)</p>	-	-	-	-	-	-	√	-	-	-
<p>NXWBS1 WALL MOUNT BRACKET • AISI 316L electropolished stainless steel • Load rating: 45kg (99lb) • Dim.: 371x186mm (14.6x7.3in) • Suitable for: NXCOL, NXCW</p>	-	-	-	-	√	√	-	-	-	-
<p>NXCW CORNER MOUNT ADAPTOR • AISI 316L electropolished stainless steel • Load rating: 50kg (110lb) • Dim.: 180x291mm (7x11.5in)</p>	-	-	-	-	√	√	-	-	-	-

	MAXIMUS MPX SERIESZ	MAXIMUS MPXR SERIESZ	MAXIMUS MPXT SERIESZ	MAXIMUS MPXL SERIESZ	MAXIMUS MVX	MAXIMUS MVXT	MAXIMUS MMX	MAXIMUS MHX	MAXIMUS MHXT	EXHC-EXHC THERMAL
<p>NXCOL POLE MOUNT ADAPTOR • AISI 316L electropolished stainless steel • For pole diameters: from 110mm (4.3in) up to 150mm (5.9in) • Load rating: 50kg (110lb) • Dim.: 180x196mm (7.0x7.7in)</p>	-	-	-	-	√	√	-	-	-	-
<p>MHXFWCA PARAPET MOUNTING BRACKET • AISI 316L electropolished stainless steel • Load rating: 40kg (88lb) • Dimensions: Ø 101.6mm (4in)</p>	-	-	-	-	√	√	-	√	√	-
<p>MHXWBS WALL MOUNT BRACKET • Made of AISI 316L electropolished stainless steel • Load rating: 40kg (88lb) • Length: 425mm (16.7in)</p>	-	-	-	-	-	-	-	√	√	-
<p>NXFWBT EXTENSION BRACKET FOR PARAPET MOUNTING • AISI 316L electropolished stainless steel • Load rating: 70kg (154lb) • Suitable to MVX housings only if coupled with MHXFWCA joint</p>	-	-	-	-	√	√	-	√	√	-
<p>NXWTU WALL ADAPTOR MODULE • AISI 316L electropolished stainless steel • Load rating: 20kg (44lb) • Dim.: 168x234mm (6.6x9.2in)</p>	-	-	-	-	√	√	-	-	-	-
<p>WBLA BRACKET AND BALL JOINT FOR EXH EX-PROOF HOUSING • Solid, anticorrosive aluminium construction • Load rating: 35kg (77lb)</p>	-	-	-	-	-	-	-	-	-	√
<p>EXBJ BALL JOINT FOR THE COLUMN MOUNT OF EXH EX-PROOF HOUSINGS • Solid, anticorrosive aluminium construction</p>	-	-	-	-	-	-	-	-	-	√

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MAXIMUS MHX / EXHC

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