CCTV PRODUCTS FOR
MARINE / ONSHORE / OFFSHORE

Optimal Surveillance for the protection of personnel and equipment in Marine and Offshore Sites
VIDEOTEC COMMITMENT TO EXCELLENCE

MANUFACTURER SINCE 1986, ITALY

WIDE ARRAY OF CCTV PRODUCTS

TOP-LEVEL CUSTOMER SERVICE

CONSTANT EVOLUTION TOWARDS EXCELLENCE

3 BRANCHES IN FRANCE, USA/CANADA, ASIA PACIFIC

QUALITY AND PROFESSIONAL PRODUCTS (ISO9001)

UNLIMITED FIELD OF OUTDOOR CCTV APPLICATIONS
SITE REFERENCES

OFFSHORE
- EX-PROOF PTZ
- PTZ w/ IP control and IR illuminators
- PTZ w/ IP control and IR illuminators
- EX-proof PTZ w/ wiper washer kit
- EX-proof PTZ
- ULISSE PZT camera
- EX-proof thermal PTZ
- EX-proof PTZ
- ULISSE PZT camera

MARINE
- EX-proof dual vision PTZ
- EX-proof PTZ
- EX-proof housing
- PTZ units with thermal IP camera
- MARINE PTZ and 20 PTZ camera
- MARINE P&T with housings
- EX-proof PTZ
- EX-proof dual vision PTZ
- MARINE P&T with housings

ONSHORE
- EX-proof fixed camera stations
- EX-proof PTZ
- MARINE P&T units and control keyboards
- MARINE P&T units and control keyboards
- EX-proof housings
- EX-proof PTZ
- PTZ camera unit w/ wiper and washer kit
- MARINE P&T units and control keyboards
At Videotec, every solution is the result of study and planning carried out by a team of experts that collaborates together with International universities and research centers. This makes Videotec the leader in its field for experimental technologies and materials for the production of absolutely innovative products of top quality and superior performance.
The selection of highly technological materials and components, the use of the most advanced software for mechanical design, the completely automated production systems and the continuous quality controls carried out by competent independent laboratories can attest the conformity with the International standard such as ISO 9001:2000. A certification that Videotec boasts since 1996.

Moreover Videotec offers a wide array of explosion-proof products, that obtained International Certifications, to meet the rigorous requirements for installation in Hazardous Areas with explosive risk.

Videotec is the best global partner in the supply of approved cctv products for hazardous environments.
EXTREME ENVIRONMENT

Security and safety in marine and offshore sites are a serious issues and video surveillance plays a fundamental role in these complex scenarios. Many threats must be taken into consideration, in a way to guarantee that the operations take place without accidents and to protect lives and property.

At Videotec we are prepared to cope with these challenges. We are known in the security industry, since more than 25 years, as one of the top-class manufacturers to offer professional world-class products along with a top level customer service.

The wide product range mixes technology and design to deliver unrivalled long-term performance and profitability. Our products connectivity is based on high resolution analogue or IP architecture, and provides the highest degree of protection and immediate situational awareness, thus the response to threats and incidents is rapid and effective.

Videotec’s products are synonymous with excellent quality, ease of maintenance and unmatched value for money.

Moreover thanks to our effective and flexible organisation, we are able to manage long-term production plans of any type and dimension, even for tailor-made solutions.
BUSINESS SEGMENTS

MARINE & OFFSHORE
- SEA GOING VESSELS
- OFFSHORE PLATFORMS
- LNG CARRIER
- TANK SHIPS
- CONTAINER SHIPS
- DRILL SHIPS
- DRILL RIG

ONSHORE
- OIL&GAS STORAGE FACILITIES
- PORTS
- HARBOURS
- PIPELINES
- REFINERIES AND PETROLEUM TERMINALS
- GAS STATION
- DANGEROUS INDUSTRIAL AREAS
- FLAMMABLE AND EXPLOSIVE PROCESSES
Videotec’s devices ensure total protection for very high risk environments such as the oil & gas sea-based facilities and provide the highest degree of protection and immediate situational awareness, thus the response to threats and incidents is rapid and effective.

The explosion-proof IP-based PTZ cameras, provide high resolution images and dynamic remote positioning. They can be located in strategical positions, to get seamless operation and the maximum situational awareness during day and night. Specialist thermal cameras PTZ will excel to detect intruders from open sea with zero visibility, during night and early morning hours or through fog or smoke. All AISI316L equipments are weatherproof and withstand to the harshest atmospheric conditions and marine corrosion.

With their wide range of specialist CCTV products, Videotec has the global expertise to meet the challenges of the demanding oil & gas maritime applications. Designed to withstand to the most corrosive atmosphere, Videotec’s stainless steel IP-based PTZ cameras can be installed onboard all kind of vessels, oil tankers, container ships, LNG carriers, etc.

Specifically designed static or PTZ cameras made in corrosion resistant materials for maximum reliability and zero maintenance. All products are easy to install and provide the best quality video in all environmental conditions. In particular the dual vision thermal imaging PTZ cameras are the optimal solution to constantly monitor onboard operations or detect threats from open sea. These devices provide full situational awareness to the security personnel to evaluate potential threats and initiate the appropriate response.
ONSHORE PERIMETER APPLICATIONS

Videotec can respond with effective solutions to the demanding security needs within the downstream oil&gas production facilities. They request round the clock protection of extended areas, which are sometimes difficult to reach.

The IP based products can remotely control vast outdoor areas and long perimeters, offering network integration with third party systems, thus offering a comprehensive security system for critical infrastructures.

All equipments have been developed for outdoor continuous use with zero maintenance. They can perfectly manage complex outdoor conditions and lighting variations and withstand to difficult environment conditions.

ONSHORE INTERNAL BUILDING APPLICATIONS

To guarantee security of the onshore oil&gas production plants, Videotec offers a wide choice of specialist and certificated products, ideal for installation in hazardous areas. They meet the stringent requirement of the hazardous area classifications.

The Videotec’s CCTV products are worldwide used for high security monitoring tasks in critical infrastructure to increase overall security. They offer full IP Ethernet network integration with third party systems, which provides a comprehensive security system for high risk environments. The operator can constantly monitor the critical areas and rapidly collect punctual information, quickly detect abnormal and dangerous situations and take immediate decisions, reducing the possibility of accidents.
OUR SOLUTIONS

PRODUCT LINE-UP

Our specialist products are designed to operate day and night in the harshest conditions, including severe weather and darkness. These devices are carefully manufactured using the best quality components and corrosion resistant and heavy duty materials. According to the type of area, safe or hazardous, we offer complete lines of equipment with specific features to respond to any requirement. We provide the highest degree of reliability and performance, both under desert and ice conditions.

MAXIMUS RANGE
EXPLOSION-PROOF FIXED AND PTZ CAMERAS FOR HAZARDOUS AREAS

The Maximus Line of explosion proof fixed and PTZ cameras are ready for installation in hazardous locations where there is a risk of explosion, due to gas or dust presence.

The stainless steel used for their construction is passivated and electropolished AISI316L, rusting and corrosion resistant. Precision machine tools are used for the construction and all welded joints are individually tested and verified. The front window is made of tempered glass, processed by controlled thermal and chemical treatments to increase its strength and resistance to physical and thermal stress.

The careful design ensures the full compliance with the strictest Standards for classified environments. Certified according ATEX, INMETRO, IECEX, GOST-R, USA UL and Canada UL.

IP-based versions and thermal imaging models available.

MARINE RANGE
HEAVY-DUTY FIXED AND PTZ CAMERAS

The wide Marine Line of rugged housings and PTZ cameras with dynamic remote positioning capabilities has been conceived to offer extreme ruggedness, ease-of-installation with zero maintenance.

The stainless steel used for their construction is passivated and electropolished AISI316L which makes these products completely impervious to air and water rusting and corrosion and offers excellent weather protection. The wiper and washer kit cleans dirt and debris that accumulate on the glass in front of the camera, so that the images result always perfectly clear at any time.

Models available for thermal imaging viewing for optimal monitoring in total darkness, through fog, rain, heavy smoke or in the far distance.
The ULISSE range of hi-speed PTZ is a frequently adopted solution for critical tasks.

Their extreme flexibility to comply with most demanding requirements, their optimal performance and image quality provide an effective patrol and an uninterrupted coverage of wide outside areas or perimeters, with clear and precise image for the operator and recordings.

They offer proven reliability to withstand the harshest environmental conditions, extreme cold or hot temperatures, strong dusty and sandy wind. The option of wiper and washer pump ensures a constant cleaning of the front window. The integrated LED lighting delivers clear nighttime images of the area.

Extremely easy to install and firmware upgradable from remote sites, these PTZ are all offered with IP control mode and for thermal imaging viewing.

Moreover the exceptional ULISSE COMPACT Full HD 1080p PTZ guarantees broadcast quality video and immediate response to operators commands (ONVIF-Profile S, H.264/AVC).

Ideal to protect cameras in any harsh outdoor conditions, the Videotec housings have been developed using the highest quality aluminium and innovative tecnopolymer materials. The care taken during their manufacture ensures maximum durability and reliability, further to an easy installation and service. All Videotec housings are IP66/IP67 weatherproof rated, meaning total protection against rain and dust.

In particular, the new Hi-PoE IPM (Intelligent Power Management) housings enable an indoor PoE-IP camera to operate even in difficult environmental conditions. Only one standard Ethernet cable is needed to carry video data and power both to the housing and to the camera, no need for any extra electrical cabling.

The new IPM technology makes installation quick and easy as the IPM system automatically enables the housing to regulate the inside temperature and ensures the camera can operate optimally at all times.

The result is a greater reliability and flexibility of the network system in addition to simplifying installation operations and reducing costs.
MAXIMUS MPX AND MPXT
**PTZ CAMERAS RANGE**
- High speed rotation at 100°/s
- Day/night camera or dual vision thermal imaging versions
- AISI 316L Stainless steel construction
- IP versions
- Integrated wiper
- AISI 316L washer pump with explosion-proof solenoid valve (ATEX, GOST-R, INMETRO)

MAXIMUS MHX AND MHXT
**DAY/NIGHT AND THERMAL FIXED CAMERAS RANGE**
- MHX with Day/Night camera with sensor 1/3’ and zoom lens
- 10x for a perfect vision even with low light and function of masking of privacy zones, optional wiper
- MHXT with Thermal camera Uncooled microbolometer (VOx), Lenses: 19mm, 25mm, 35mm, 50mm, Resolution: 320x256 or 640x512, Image frequency: 7.5-8.3 Hz or 25-30 Hz
- Models without camera also available for total freedom in camera/lens combination
- AISI 316L Stainless steel housing

EXPT
**P&T WITH HOUSINGS FOR DAY/NIGHT AND THERMAL CAMERAS**
- Anticorodal aluminium construction, resistant to corrosion
- Horizontal speed 6°/s, vertical 2.4°/s
- Models with a Mylar winding film for the cleaning of the front glass
- Models with a special coating resistant to low temperature environments, down to -40°C (-40°F)
- Cost effective range

EXH
**HOUSINGS FOR FIXED DAY/NIGHT AND THERMAL CAMERAS**
- Anticorodal aluminium construction, resistant to corrosion
- Models with a special coating resistant to low temperature environments, down to -40°C (-40°F)
- Models for thermal cameras
NXPTZ AND NXPTZT

PTZ CAMERAS RANGE

- High speed rotation at 100°/s
- Day/night camera or dual vision thermal imaging versions
- AISI 316L Stainless steel construction
- IP versions, H.264/AVC compression, ONVIF Profile S
- Integrated wiper

NXM AND NTC

DAY/NIGHT AND THERMAL FIXED CAMERAS RANGE

- AISI 316L construction
- Versions for thermal imaging and with factory installed thermal camera
- Different housings sizes
- Optional wiper
- Reinforced heater for temperatures down to -40°C (-40°F)
- Can be installed on a NXPTH Pan & Tilt head

NXPTH

HEAVY DUTY PAN & TILT HEAD

- AISI 316L construction
- Suitable to the stainless steel housings series
- Horizontal fixed speed 5°/s, vertical fixed speed 3°/s
ULISSE COMPACT, THERMAL AND HD
HIGH SPEED PTZ CAMERAS RANGE
- Pan/Tilt variable speed: 0.1°-200°/s
- Day/night camera or dual vision thermal imaging versions
- IP based versions H.264/AVC
- Models with Full HD 1080p camera, 20x zoom, H.264/AVC, ONVIF Profile S
- Optional wiper
- Optional integrated LED illuminator

ULISSE AND ULISSE NETCAM
PTZ UNIT FOR DAY/NIGHT OR NETWORK CAMERAS AND COMPACT LENSES
- Models for network cameras (ONVIF protocol, Profile S)
- Versions for thermal imaging viewing
- IP based versions (MPEG-4, ONVIF)
- Pan/Tilt variable speed: 0.1°-100°/s
- Integrated Day/Night camera on demand
- Optional wiper
- Optional bracket for the mount of two LED illuminators
- Cold pack for low temperature down to -30°C (-22°F)

ULISSE PLUS AND ULISSE PLUS NETCAM
PTZ UNIT FOR DAY/NIGHT OR NETWORK CAMERAS AND MEDIUM-LARGE LENSES
- Models for network cameras (ONVIF protocol, Profile S)
- IP based versions (MPEG-4, ONVIF)
- Optional bracket for the mount of two LED illuminators
- Variable speed: 0.02°-100°/s Pan; 0.02°-50°/s Tilt
- Supplied with integrated wiper
- Cold pack for low temperature down to -30°C (-22°F)

ULISSE MAXI AND ULISSE MAXI NETCAM
PTZ UNIT FOR DAY/NIGHT OR NETWORK CAMERAS AND LARGE LENSES
- Models for network cameras (ONVIF protocol, Profile S)
- IP based versions (MPEG-4, ONVIF)
- Versions for thermal imaging viewing
- Variable speed: 0.02°-20°/s Pan and Tilt
- Supplied with integrated wiper
**DIGITAL VIDEO SYSTEMS**

**ALBERT**

**ENCODER FOR VIDEO CONTENT ANALYSIS AND SMART SYSTEM MANAGEMENT**

- Advanced algorithms for outdoor intelligent analysis and smart system management
- Ideal for vast external area where multiple simultaneous events can occur
- Distributed intelligence
- Internal recording on HD or external via networks to NAS or PC
- Advanced Outdoor-oriented Event Detector
- Minimum bandwidth, video compression H.264 Main Profile
- Full integration with high speed pan & tilts
- Maximum level of redundancy

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**LED ILLUMINATORS**

**GEKO ILLUMINATORS**

**IR AND WHITE LIGHT LED LIGHTING**

- High efficiency SMD LED and optimized heat sink body to ensure maximum LED durability
- Low energy consumption
- Different beam pattern and wavelengths
- Supplied with a wall-mount bracket

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**CAMERA HOUSINGS**

**IPM CAMERA HOUSINGS**

**HOUSINGS WITH IPM TECHNOLOGY (INTELLIGENT POWER MANAGEMENT)**

- PoE / Hi-PoE power supply for heating, demisting, illuminator, fan and PoE network camera
- Category 5e shielded power cable
- Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus
- Vandal resistant models
- Versions with fan with double air filter
- Pre-arranged to mount a GEKO LED illuminator