CCTV PRODUCTS FOR
OIL&GAS

Explosion-proof cameras and PTZ for hazardous areas
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

EX-proof PTZ
South Korea

EX-proof PTZ w/ wiper washer kit
Saudi Arabia

EX-proof PTZ
Taiwan

EX-proof thermal PTZ
Vietnam

EX-proof PTZ
U.S.A.

EX-proof dual vision PTZ
Abu Dhabi

EX-proof PTZ
Spain

EX-proof PTZ
Norway

EX-proof PTZ
Russia

EX-proof PTZ
Mexico

EX-proof PTZ
Brazil

EX-proof PTZ
Israel

EX-proof housing
Algeria

EX-proof PTZ
Germany

EX-proof dual vision PTZ
U.S.A.

EX-proof fixed camera stations
India

EX-proof PTZ
India

EX-proof housings
Japan

EX-proof PTZ
Nigeria

EX-proof housings
Jamaica

EX-proof housings
Dominican Republic

EX-proof housings
Poland

EX-proof housings
Hungary

EX-proof housings
Romania

EX-proof housings
Argentina
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.
A “hazardous area” is defined as an area in which the atmosphere contains, or may contain in sufficient quantities, flammable or explosive gases, dusts or vapours.

Electrical apparatus for use in hazardous areas needs to be designed and constructed in such a way that it will not provide a source of ignition (no arcing contacts or high surface temperature, etc.)

There are several types of equipment that can be used within these zones to ensure that the potential for an explosion is removed or greatly reduced. This equipment must be designed and manufactured in accordance with particular construction parameters known as protection concepts.

Ex d Flameproof is a type of protection concept that it can be used in a hazardous location area. The equipment that may cause an explosion is contained within an enclosure which can withstand the force of an explosion and prevent transmission to the outside hazardous atmosphere.

Equipment to be installed in such locations must be designed and tested through third party to ensure it does not initiate an explosion.
BUSINESS SEGMENTS

OIL & GAS PLATFORMS
OIL & GAS DRILLING RIGS
OIL TANKERS
REFINERIES AND PETROLEUM TERMINALS
PIPLINES
INDUSTRIAL MARINE ENVIRONMENTS
MILITARY SYSTEMS
CHEMICAL / PHARMACEUTICAL INDUSTRIES
OTHER INDUSTRIAL INSTALLATIONS
FOOD PROCESSING
MAXIMUS RANGE
STAINLESS STEEL EXPLOSION-PROOF FIXED AND PTZ CAMERAS FOR HAZARDOUS AREAS

MAXIMUS is the widest range of CCTV camera EX-proof products, fixed or PTZ, for an effective 360° Day/Night surveillance of vast highly corrosive areas with a risk of explosion, even in the worst weather conditions.

The stainless steel used for their construction is the best passivated and electropolished AISI316L. The extreme precision in the production processes makes these products completely impervious to rusting and corrosion and ensures the full compliance with the strictest Standards for classified environments.

The PTZ units are characterized by a fast and smooth rotation speed at 100°/sec for an extremely accurate target detection and tracking. The dimensions of these products have been optimized to have a compact design with state of the art mechanics, easy to mount and with zero maintenance.

The total absence of exposed rotating cables, either for the control of the P&T or for the camera and lens, is a very important feature for hazardous environment. The special inspection box directly into the unit simplifies electrical connections and allows a quick inspection.

All MAXIMUS enclosures can be supplied with an integrated wiper for a perfectly clean front window at all times. A water tank with certified electro valve is also available.

The range includes different models for thermal imaging tasks, for monitoring in total darkness or in the far distance, through fog, rain, heavy smoke or for fire detection tasks.
The EX series is well known in the market for their flexibility and strong construction. These products can be used in conditions of extreme stress.

The range includes camera housings, camera P&T’s and a telemetry receiver, designed to meet rigorous requirements for installation in hazardous areas with potential explosive dusts and gas. Free choice of bespoke camera lens combination suitable for the application.

This series is made of non-corrosive anticorodal aluminum alloy with very good mechanical properties and excellent corrosion resistance. In particular, the special coating for low temperature is resistant to stress cracking, adverse weather conditions, detergents, salt spray and typical airborne pollutants.

The P&T units are characterized by the absence of exposed cables in rotation either for the control of the Pan & Tilt or for the camera and lens, very important feature for hazardous environments. A single pre-wired multi-core cable, 7.5m long, is supplied with the unit and comes out from the base through a cable gland allowing an easier installation and maintenance.

A clean camera picture is assured at all times thanks to the glass protection device, that consists of a transparent Mylar film, installed just in front of the glass to protect the window from dirt and dust. A motor drives the winding of the dirty film and releases the clean film.

The EX series offers highly competitive solutions that do not compromise on quality and reliability.
MAXIMUS RANGE

MAXIMUS MPX AND MPXT
INTEGRATED PTZ CAMERA PRODUCTS

Ex d certified for Zone 1, 2, Group IIC for gas and Ex tb Zone 21, 22 for dust

T6 at 60°C (140°F)

Certificates: ATEX, IECEx, GOST-R, CNEx, INMETRO, UL, UL/cUL

VERSIONS
Versions with integrated Day/Night camera 36x or 28x
Versions with dual vision with Day/Night and Thermal cameras
Prewired ATEX / IECEx certified versions with unarmored cable/barrier cable gland

KEY FEATURES
IP66
Variable speed: 0.1°-100°/s pan and tilt
Horizontal continuous rotation, vertical -90°/+90°
Extremely easy electrical connections directly into the unit, thanks to the inspection box
Integrated wiper and telemetry receiver
Upside down mounting possibility
Preset accuracy: 0.02° and Zero backlash
Functions of Autopan, Preset, Patrol, Tour, Autoflip
Operating temperature: –40°C/+60°C (–40°F/+140°F)
Video Output options: IP video encoder MPEG4, 25fps, full D1 (compatible with Milestone Xprotect® Suite and ONVIF protocol)

MAXIMUS MHX AND MHXT
FIXED CAMERA PRODUCTS

Ex d certified for Zone 1, 2, Group IIC for gas and Ex tb Zone 21, 22 for dust

T6 at 60°C (140°F)

Certificates: ATEX, IECEx

VERSIONS
IP66/67
Versions 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
Versions with integrated thermal cameras
Versions with empty housings for the integration of different camera/lens combinations

KEY FEATURES
Innovative cabling system with plug-in connectors
Optional wiper
Control of an external illuminator
Operating temperature –40°C/+60°C (–40°F/+140°F)
Integrated telemetry receiver for wiper and washer activation and control of an external illumination
EXPT

PAN&TILT SOLUTIONS

Ex d certified for Zone 1, 2, Group IIC for gas and Ex tb Zone 21, 22 for dust
T6 at 50°C (122°F)

Certificates: ATEX, IECEX, GOST-R, CNEx

VERSIONS

Versions with a device for the protection and cleaning of the front glass
Versions for aggressive and low temperature environments, down to –40°C (~-40°F)
Versions for thermal cameras with germanium front window (ATEX, GOST-R)

KEY FEATURES

IP66
Absence of external rotation cables
Constructed in solid anticorodal aluminium, 12mm thick, powder painted
The housing can accommodate most analog cameras / lens combination
Horizontal range 360°, vertical ±90°
Horizontal speed 6°/s, vertical 2.4°/s
Standard Preset
Optional Autopan
Standard housing heater

EXH

HOUSINGS SOLUTIONS

Ex d certified for Zone 1, 2, Group IIC for gas and Ex tb Zone 21, 22 for dust
T6 at 50°C (122°F)

Certificates: ATEX, IECEX, GOST-R, CNEx

VERSIONS

Versions with a device for the protection and cleaning of the front glass
Versions for aggressive and low temperature environments, down to –40°C (~-40°F)
Versions for thermal cameras with germanium front window (ATEX, GOST-R)

KEY FEATURES

IP66
Constructed in solid anticorodal aluminium, 10mm thick, powder painted
The housing can accommodate most analog and IP cameras / lens combination
Standard heater (24Vac or 230Vac available)