# MAXIMUS MPX SERIES2 with DELUX technology

# NEW GENERATION OF EXPLOSION-PROOF PTZ WITH DAY/NIGHT CAMERA











#### **MAXIMUM RESISTANCE IN THE MOST CRITICAL ENVIRONMENTS**

MAXIMUS MPX SERIES2 is an ex-proof Full-HD PTZ camera that is ideal for effective video surveillance and process monitoring in environments in the Oil & Gas, maritime or industrial sectors where fire or explosion hazards may exist due to the presence of flammable gases or vapors, flammable liquids, combustible dusts.

MAXIMUS MPX SERIES2 offers the highest level of corrosion resistance thanks to its solid AISI 316L stainless-steel construction and its microshot and electropolished surfaces. As well as this, the IP66/ IP67/IP68/IP69, NEMA Type 4X and Type 6P certifications guarantee complete protection against water and dust. It can continue to operate in winds up to 210 Km/h.

#### **CERTIFIED QUALITY**

Every version of MAXIMUS MPX SERIES2 PTZ is explosion-proof certified with an ambient temperature of up to +80°C. They have international certifications for use in Zone 1 and 2, Group IIC for gas, Zone 21 and 22, Group IIIC for dust (ATEX, IECEx, UL/CSA, EAC Ex, INMETRO, KCs). Thanks to the double cable entry, both 120Vac and 230Vac voltage supply versions are compliant with UL/CSA standards.

MAXIMUS MPX SERIES2 products are Lloyd's Register Marine Type Approval System Test Specification Number 1 certified and can be used in Marine and Offshore environments with category types ENV1, ENV2, ENV3 and ENV5 (for example, passenger ships, open bridges, closed spaces, technical rooms subject to heat generated by equipment, areas where there is a risk of explosion, and visual support for docking manoeuvres).

- Certified explosion-proof for use in Zones 1 and 2, Group IIC (Gas), Zones 21 and 22, Unit IIIC (Dust)
- Certified up to a temperature of +80°C
- Maximum resistance in corrosive environments
- Possibility of direct connection via fibre optic

#### deLux



#### **INSTALLATION FLEXIBILITY**

The SERIES2 PTZ cameras have an SFP module slot at the base of the unit to allow easy fiber optic connection. The double cable entry and the numerous accessories and support available - including front window washing kit, communication boxes, pre-wired cabling, cable glands, and wall, parapet, corner, and pole mounts – mean maximum flexibility when it comes to installation. As well as this, the compact design means the camera fits in the tightest spaces, while its reduced weight makes it easier to install.

#### **DELUX TECHNOLOGY - HIGH QUALITY IMAGE**

The super low-light Full-HD 1080p, 60fps camera with 30x optical zoom and Deluxe technology is unbeatable for its exceptional brightness and captures footage in sharp detail and vivid colour, even in low-light conditions up to 0.006 lux (0.0006 lux in black and white). This is a particularly advantageous feature when monitoring external sensitive areas where people, objects, vehicles in motion and anomalous events may need to be identified at any time, day or night, and with the highest levels of detail.

Up to a maximum of 3 simultaneous and independent video streams can be transmitted via network in H.264/AVC, MPEG4, MJPEG or JPEG format

#### **100% MADE IN VIDEOTEC**

All Videotec products are developed end-to-end by the dedicated internal R&D team who have the business know-how to design the mechanisms, electronics and software. This internal R&D presents a real competitive advantage as the team are able to create customised solutions or integrations with third-party systems. Videotec can respond to customers quickly and efficiently.

Mechanics, electronics, positioning and networking, software and firmware are proudly developed end to end internally by Videotec R&D, as is the case with all their network products. All products come with the company guarantee of being a reliable, cyber-safe and future-proof platform that can be integrated with third-party products easily. MPX SERIES2 offers an integrated and certified all-in-one professional solution.

In the SERIES2, Videotec has expanded the list of compatible software, but has not changed the tested and proven software functions and protocols already found in the MAXIMUS MPX series. As a result, Videotec can guarantee complete compatibility and interchangeability between the previous and new generations of PTZ, while protecting the investments made by its customers when it comes to validation and integration of MAXIMUS MPX.

#### **TECHNICAL DATA**

#### GENERAL

AISI 316L stainless steel construction
External surfaces micro-shot peened and electro-polished
Dynamic positioning control system

#### MECHANICAL

Cable inputs: 2 x 3/4" NPT Zero backlash Horizontal rotation: 360°, continuous rotation Vertical rotation: from -90° up to +90° Horizontal speed (variable): from 0.1° to 100°/s Tilt speed (variable): from 0.1° to 100°/s Accuracy of preset positions: 0.02° Integrated wiper Window with extra clear tempered glass: thick 12mm (0.47in) Unit weight: 26.5kg (58lb)

#### ELECTRICAL

Supply voltage/Current consumption:

- 230Vac ±10%, 0.5A, 50/60Hz
- + 24Vac  $\pm 10\%$ , 5A, 50/60Hz
- + 120Vac  $\pm 10\%$  , 1A, 50/60Hz

Power consumption:

• 120W max

#### NETWORK

RJ45 port

Ethernet connection: 10BASE-T/100BASE-T

- Slot SFP (SMALL FORM FACTOR PLUGGABLE)
  - Ethernet connection:100BASE-FX
  - Supply voltage: 3.3V
  - Standard: compliant MSA
- The SFP module (not supplied by VIDEOTEC) must meet the following requirements:
  - Laser: Class 1, complies with EN60825-1
  - UL/IEC 60950-1 or UL/IEC 62368-1 Certification

#### CYBERSECURITY

Digitally signed firmware
Password restricted access (HTTP digest)
Support of various user access levels
Control of accesses IEEE 802.1X
HTTPS cryptography using TLS1.0, TLS1.1, TLS1.2 and TLS1.3
Centralised certificate management
Complies with ONVIF Security Service specifications

# VIDEO

#### Video encoder

- Communication protocol: ONVIF, Profile Q, Profile S and Profile T
- Device configuration: TCP/IPv4-IPv6, UDP/IPv4-IPv6, HTTP, HTTPS, NTP, DHCP, WS-DISCOVERY, DSCP, IGMP (Multicast), SOAP, DNS
- Streaming: RTSP, RTCP, RTP/IPv4-IPv6, HTTP, Multicast
- Video compression: H.264/AVC, MJPEG, JPEG, MPEG4
- 3 independent video streams Full HD
- Image resolution: from 320x180pixel up to 1920x1080pixel in 6 steps
- Selectable frame rate from 1 to 60 images per second (fps)
- Web Server
- Directional OSD (maximum 4 settable areas)
- Motion Detection
- QoS: Differentiated DSCPs for streaming and device management
- SNMP and NTCIP protocols

CAMERAS
Day/Night Full HD 30x DeLux
Resolution: Full HD 1080p (1920x1080pixel)
Image Sensor: 1/2.8" Exmor™ R CMOS sensor
Effective Pixels: approx. 2.38 Megapixels
Minimum Illumination:
• Colour: 0.006lx (F1.6, 30 IRE)
• B/W: 0.0006lx (F1.6, 30 IRE)
Focal length: from 4.5mm (wide) up to 135mm (tele)
Zoom: 30x (480x with digital zoom)
Iris: from F1.6 up to F9.6 (Auto, Manual)
Horizontal Viewing Angle: from $61.6^{\circ}$ (wide end) up to $2.50^{\circ}$ (tele end)
Vertical Viewing Angle: from 37.07° (wide end) up to 1.44° (tele end)
Shutter speed: from 1/1s up to 1/10000s (Auto, Manual)
White balance: Auto, Manual
Gain: from 0dB up to 100dB (Auto, Manual)
Wide Dynamic Range: 120dB
Focus System: Auto, Manual, Trigger
Picture Effects: E-flip, Color enhancement
Noise removal: 2D (3 levels), 3D (3 levels)
Exposure Control: Auto, Manual, Priority (Iris Priority, Shutter Priority), Brightness, Custo
De-fog: On/Off
Drivacy zonac macking (maximum 9 cattable macks)

Privacy zones masking (maximum 8 settable masks)

#### I/O INTERFACE

Input for remote reset: 1

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Relay outputs: 1+1 (1 relay reserved for washer pump and one configurable, 1A, 30Vac/ 60Vdc max)

## ENVIRONMENT

ENVIRONMENT
For indoors and outdoors installation
Certification temperature: from -40°C (-40°F) up to +80°C (+176°F)
Temperature test complies with NEMA-TS 2-2003 (R2008) par. 2.1.5.1, test profile fig. 2-1 (from -34°C (-29.2°F) to +74°C (165.2°F))
De-icing function intervention (cold start): from -40°C (-40°F) up to -10°C (14°F)
Wind resistance
PTZ static: 230km/h (143mph) max.
PTZ operational at the maximum speed: 210km/h (130.5mph) max.
Relative humidity: from 5% up to 95%
CERTIFICATIONS
Electrical safety (CE): EN60950-1, IEC60950-1, EN62368-1, IEC62368-1
Electromagnetic compatibility (CE): EN50130-4, EN55032 (Class A), EN61000-6-3, EN61000-3-2, EN61000-3-3
RoHS (CE): EN50581
Outdoor installation (CE): EN60950-22, IEC60950-22
Vibration test: EN50130-5, EN60068-2-6
UL certification (UL60950-1, CAN/CSA C22.2 No. 60950-1-07, UL62368-1, CAN/CSA C22.2 No. 62368-1-14): cULus Listed
Electromagnetic compatibility (North America): FCC part 15 (Class A), ICES-003 (Class A)
IP protection degree (EN/IEC60529): IP66, IP67, IP68, IP69
Level of protection Type (UL50E): 4X, 6P
RCM (Australian and New Zealand Regulatory Compliance Mark)
CERTIFICATIONS - EXPLOSION-PROOF APPLICATIONS

CERTIFICATIONS - EXPLOSION-PROOF APPLICATIONS
ATEX (EN IEC 60079-0, EN 60079-1, EN 60079-31)
IECEX (IEC 60079-0, IEC 60079-1, IEC 60079-31)
UL listed for USA (UL 60079-0, UL 60079-1, UL 60079-31)
UL listed for Canada (CAN/CSA-C22.2 NO. 60079-0, CAN/CSA-C22.2 NO. 60079-1, CAN/ CSA-C22.2 NO. 60079-31)
EAC Ex (TR CU 012/2011)
INMETRO (ABNT NBR IEC 60079-0 + Errata 1, ABNT NBR IEC 60079-1 + Errata 1, ABNT NBF IEC 60079-31)
KCs (Employment and labor department 2016-54)
For further details on certifications and markings, consult the relevant table.

### **CERTIFICATIONS - MARINE APPLICATIONS**

Lloyd's Register Marine Type Approval certification (with MAXIMUS MBX communication box or with FM1010 filter): Test Specification Number 1 (ENV1, ENV2, ENV3, ENV5) Electromagnetic compatibility: EN60945 Salty fog resistance: EN60068-2-52 BRACKETS AND ADAPTORS

DRACKLIJAN	ID ADAF IONS
MPXCW	AISI 316L stainless steel corner adapter module
MPXWBA	AISI 316L stainless steel wall bracket
MPXCOL	AISI 316L stainless steel pole adapter module
MPXWBTA	AISI 316L stainless steel parapet or ceiling mounting bracket

WASEX2T4AT       Tank 101 (2.6gal) with integrated manual pump controlled by ATEX         Certified solenoid valve, delivery head up to 20m (66ft) max, IN       24Vac/Vdc         WASEX2T4GOR       Tank 101 (2.6gal) with integrated manual pump controlled by EAC         EX certified solenoid valve, delivery head up to 20m (66ft) max, IN         24Vac/Vdc         WASEX2T4IN       Tank 101 (2.6gal) with integrated manual pump controlled by INMETRO certified solenoid valve, delivery head up to 20m (66ft) max, IN         24Vac/Vdc       MBX1MAA       Explosion-proof communication box in stainless steel, IN 230Vac, with EMC filter for marine certification         MBX2MAA       Explosion-proof communication box in stainless steel, IN 120Vac, with EMC filter for marine certification         MBA3SSA       Explosion-proof communication box in aluminium, IN 230Vac         Wistex       Explosion-proof communication box in aluminium, IN 120Vac         OCTEX3/4C       Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC Ex         OCTEXA3/4C       Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable IECEX-ATEX-EAC Ex         OCTEXA3/4P       Barrier cable gland in nickel-plated brass Sta 3/4" NPT, unarmoured cable IECEX-ATEX-EAC Ex         OCTEXA3/4P       Barrier cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC Ex         OCTEXA3/4P       Barrier cable gland in nickel-plated brass St 3/4" NPT, unarmoured cable I		
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MBA2S5AExplosion-proof communication box in aluminium, IN 24VacMBA3S5AExplosion-proof communication box in aluminium, IN 120VacOCTEX3/4CCable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXB3/4PBarrier cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEXB3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured 	МВХЗМАА	
MBA3S5AExplosion-proof communication box in aluminium, IN 120VacOCTEX3/4CCable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXA3/4CCable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEXB3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXB3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEX3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEXOCTEX1/2-3/4PCable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEXOCTEX1/2-3/4PCable glands reduction in nickel-plated brass 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEXP3/4CConduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX-EAC ExOEXPLUG1/2PPlug EX 1/2" NPT IECEX-ATEX-EAC ExFM1010EMC filter for Marine certificationMPX2CABLARM4Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable glandMPX2CABLARM10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland	MBA1S5A	Explosion-proof communication box in aluminium, IN 230Vac
OCTEX3/4CCable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXA3/4CCable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEXB3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEX3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEXOCTEX1/2-3/4PCable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable Galand in nickel-plated brass S 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable glands reduction in nickel-plated brass 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEXP3/4CConduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX- c CS/ us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))OEXPLUG1/2PPlug EX 1/2" NPT IECEX-ATEX-EAC ExFM1010EMC filter for Marine certificationMPX2CABLARM4Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable glandMPX2CABLARM10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable glandFor further details about cable glands part numbers, please refer to the relevant table.	MBA2S5A	Explosion-proof communication box in aluminium, IN 24Vac
unarmoured cable IECEX-ATEX-EAC ExOCTEXA3/4CCable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEXB3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEX3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEXOCTEX1/2-3/4PCable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEXOCTEX1/2-3/4PCable glands reduction in nickel-plated brass 5/4" NPT, armoured cable ATEXOCTEXP3/4CConduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX-EAC ExOCTEXP3/4CConduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX-C CS/ us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))OEXPLUG1/2PPlug EX 1/2" NPT IECEX-ATEX-EAC ExPM1010EMC filter for Marine certificationMPX2CABLARM4Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable glandMPX2CABLARM10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland	MBA3S5A	Explosion-proof communication box in aluminium, IN 120Vac
OCTEXNB/10armoured cable IECEX-ATEX-EAC ExOCTEXB3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEX3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEXOCTEXA3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEXOCTEX1/2-3/4PCable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEXOCTEX1/2-3/4PCable gland sreduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEXP3/4CConduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX- c CS/ us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))OEXPLUG1/2PPlug EX 1/2" NPT IECEX-ATEX-EAC ExOEXPLUG3/4PPlug EX 3/4" NPT IECEX-ATEX-EAC ExFM1010EMC filter for Marine certificationMPX2CABLARM4Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable glandMPX2CABLARM10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable glandFor further details about cable glands part numbers, please refer to the relevant table.	OCTEX3/4C	
cable IECEX-ATEX-EAC ExOCTEXBA3/4PBarrier cable gland in nickel-plated brass EX 3/4" NPT, armoured cable IECEX-ATEX-EAC ExOCTEX3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEXOCTEXA3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEXOCTEX1/2-3/4PCable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEXP3/4CConduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX- c CS/ us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))OEXPLUG1/2PPlug EX 1/2" NPT IECEX-ATEX-EAC ExPM1010EMC filter for Marine certificationMPX2CABLARM4Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable glandMPX2CABLARM10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland	OCTEXA3/4C	
cable IECEX-ATEX-EAC ExOCTEX3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEXOCTEXA3/4Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEXOCTEX1/2-3/4PCable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEXP3/4CConduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX- C CS/ us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))OEXPLUG1/2PPlug EX 1/2" NPT IECEX-ATEX-EAC ExOEXPLUG3/4PPlug EX 3/4" NPT IECEX-ATEX-EAC ExFM1010EMC filter for Marine certificationMPX2CABLARM4Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable glandMPX2CABLARM10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable glandMPX2CABL10Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland	OCTEXB3/4P	Barrier cable gland in nickel-plated brass EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC Ex
unarmoured cable ATEX         OCTEXA3/4       Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEX         OCTEX1/2-3/4P       Cable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC Ex         OCTEXP3/4C       Conduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX-EAC Ex         OCTEXP3/4C       Conduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX-EAC CS/ us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))         OEXPLUG1/2P       Plug EX 1/2" NPT IECEX-ATEX-EAC Ex         PM1010       EMC filter for Marine certification         MPX2CABLARM4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable gland         MPX2CABL4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable, barrier cable gland         MPX2CABLARM10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland	OCTEXBA3/4P	Barrier cable gland in nickel-plated brass EX 3/4" NPT, armoured cable IECEX-ATEX-EAC Ex
armoured cable ATEX         OCTEX1/2-3/4P       Cable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC Ex         OCTEXP3/4C       Conduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX- C CS/ us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))         OEXPLUG1/2P       Plug EX 1/2" NPT IECEX-ATEX-EAC Ex         OEXPLUG3/4P       Plug EX 3/4" NPT IECEX-ATEX-EAC Ex         FM1010       EMC filter for Marine certification         MPX2CABLARM4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable gland         MPX2CABL4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable, barrier cable gland         MPX2CABLARM10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland	OCTEX3/4	
IECEX-ATEX-EAC Ex         OCTEXP3/4C       Conduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX- c CS/ us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))         OEXPLUG1/2P       Plug EX 1/2" NPT IECEX-ATEX-EAC Ex         OEXPLUG3/4P       Plug EX 3/4" NPT IECEX-ATEX-EAC Ex         FM1010       EMC filter for Marine certification         MPX2CABLARM4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable gland         MPX2CABL4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable, barrier cable gland         MPX2CABLARM10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland         For further details about cable glands part numbers, please refer to the relevant table.	OCTEXA3/4	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEX
us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80° (+176°F))         OEXPLUG1/2P       Plug EX 1/2" NPT IECEX-ATEX-EAC Ex         OEXPLUG3/4P       Plug EX 3/4" NPT IECEX-ATEX-EAC Ex         FM1010       EMC filter for Marine certification         MPX2CABLARM4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable gland         MPX2CABL4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable, barrier cable gland         MPX2CABLARM10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland	OCTEX1/2-3/4P	
OEXPLUG3/4P         Plug EX 3/4" NPT IECEX-ATEX-EAC Ex           FM1010         EMC filter for Marine certification           MPX2CABLARM4         Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable gland           MPX2CABL4         Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable barrier cable gland           MPX2CABLARM10         Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable barrier cable gland           MPX2CABLARM10         Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland           MPX2CABL10         Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland           For further details about cable glands part numbers, please refer to the relevant table.	OCTEXP3/4C	Conduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX- c CSA us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80°C (+176°F))
FM1010         EMC filter for Marine certification           MPX2CABLARM4         Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable gland           MPX2CABL4         Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable barrier cable gland           MPX2CABLARM10         Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable, barrier cable gland           MPX2CABLARM10         Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland           MPX2CABL10         Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland           For further details about cable glands part numbers, please refer to the relevant table.	OEXPLUG1/2P	Plug EX 1/2" NPT IECEX-ATEX-EAC Ex
MPX2CABLARM4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), armoured cable, barrier cable gland         MPX2CABL4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable barrier cable gland         MPX2CABLARM10       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable, barrier cable gland         MPX2CABLARM10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland         For further details about cable glands part numbers, please refer to the relevant table.	OEXPLUG3/4P	
barrier cable gland         MPX2CABL4       Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable barrier cable gland         MPX2CABLARM10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland         For further details about cable glands part numbers, please refer to the relevant table.	FM1010	EMC filter for Marine certification
barrier cable gland         MPX2CABLARM10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland         MPX2CABL10       Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland         For further details about cable glands part numbers, please refer to the relevant table.	MPX2CABLARM4	
barrier cable gland           MPX2CABL10         Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), unarmoured cable, barrier cable gland           For further details about cable glands part numbers, please refer to the relevant table.	MPX2CABL4	Cabling for MAXIMUS MPX SERIES2, 4m (13.1ft), unarmoured cable, barrier cable gland
cable, barrier cable gland For further details about cable glands part numbers, please refer to the relevant table.	MPX2CABLARM10	Cabling for MAXIMUS MPX SERIES2, 10m (32.8ft), armoured cable, barrier cable gland
	MPX2CABL10	
	For further details al	pout cable glands part numbers, please refer to the relevant table.
DACKAGE	PACKAGE	

PACKAGE
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TACKAGE			
Model Number	Weight	Dimensions (WxHxL)	Master carton
MPXHD11A000C	29kg (64lb)	50x42x26cm (19.7x16.5x10.2in)	-

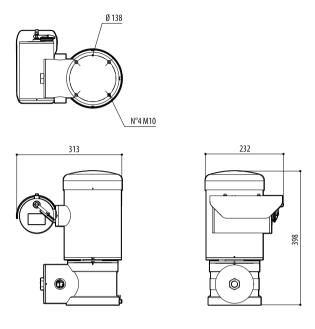
CABLE GLANDS AND AC	CESSORIES 3/4" NPT					
Туре	Certification	Operating temperature	Cable	Model Number	Diameter of the external cable	Under armor cable diameter
Barrier cable gland	IECEX/ATEX/EAC Ex	-60°C (-76°F) / +135°C (275°F)	Unarmoured cable	OCTEXB3/4P	17.8 - 20.0mm (0.70-0.79in)	-
			Armoured cable	OCTEXBA3/4P	16.8 - 23.9mm (0.66-0.94in)	-
Cable gland with gasket	IECEX/ATEX/EAC Ex	-60°C / +100°C (-76°F / +212°F)	Unarmoured cable	OCTEX3/4C	13.0 - 20.2mm (0.51-0.79in)	-
		-60°C / +80°C (-76°F / +176°F)	Armoured cable	OCTEXA3/4C	16.9 - 26.0mm (0.66-1.02in)	11.1 - 19.7mm (0.44 - 0.78in)
	ATEX	-40°C / +100°C (-40°F / +212°F)	Unarmoured cable	OCTEX3/4	14.0 - 17.0mm (0.55-0.67in)	-
			Armoured cable	OCTEXA3/4	18.0 - 23.0mm (0.71-0.91in)	14 - 17mm (0.55 - 0.67in)
Plug EX 3/4"NPT	IECEX/ATEX/EAC Ex	-100°C (-148°F) / +400°C (752°F)	-	OEXPLUG3/4P	-	-
Conduit sealing fitting	IECEX-ATEX- c CSA us - EAC Ex	-60°C / +80°C (-76°F / +176°F)	-	OCTEXP3/4C	-	-
Reduction 3/4" NPT x 1/2" NPT	IECEX/ATEX/EAC Ex	-100°C (-148°F) / +400°C (752°F)	-	OCTEX1/2-3/4P	-	-

Part number	Certification	Marking	Ambient temperature	Cable entry temperature	
MPXHD**A0**C	ATEX	<ul> <li>II 2 G Ex db IIC T6T5 Gb</li> <li>II 2D Ex tb IIIC T85°CT100°C Db</li> </ul>	$-40^{\circ}C \le Ta \le +60^{\circ}C \text{ or } +70^{\circ}C$	80°C	
	IECEx	Ex db IIC T6T5 Gb Ex tb IIIC T85°CT100°C Db	_		
	EAC Ex	1Ex d IIC T6 T5 Gb X Ex tb IIIC T85°C T100°C Db X	_		
	INMETRO	Ex db IIC T6T5 Gb Ex tb IIIC T85°CT100°C Db			
	KCs	Ex d IIC T6T5 Ex tb IIIC T85°CT100°C	_		
	UL Hazardous Location America	Class I, Zone 1, AEx db IICT6T5 Gb Zone 21, AEx tb IIICT85°CT100°C Db Class I, Div 2, Group A, B, C, DT6T5 Class II, Div 2, Group F, G T6T5		$80^{\circ}$ C with Ta = $69^{\circ}$ C $81^{\circ}$ C with Ta = $70^{\circ}$ C	
	UL Hazardous Location Canada	Ex db IICT6T5 Gb X Ex tb IIICT85°CT100°C Db X Class I, Div 2, Group A, B, C, DT6T5 Class II, Div 2, Group F, G T6T5			
MPXHD**D0**C	ATEX	© II 2G Ex db IIC T4 Gb © II 2D Ex tb IIIC T135℃ Db	$-40^{\circ}C \le Ta \le +80^{\circ}C$	90°C	
	IECEx	Ex db IIC T4 Gb Ex tb IIIC T135°C Db			
	EAC Ex	1Ex d IIC T4 Gb X Ex tb IIIC T135°C Db X			
	INMETRO	Ex db IIC T4 Gb Ex tb IIIC T135°C Db			
	КСѕ	Ex d IIC T4 Ex tb IIIC T135°C			

MAXIMUS MPX SERIES2 WITH DELUX TECHNOLOGY- CONFIGURATION OPTIONS						
	Voltage Camera		Temperature class and ambient temperature			
MPXHD	1 230Vac	1 Videotec super low-light Day/Night 30X zoom, Full HD camera	A T6T5 -40°C/+60°C or +70°C	000C		
	<b>2</b> 24Vac		D T4 -40°C/+80°C			
	3 120Vac					

# **TECHNICAL DRAWINGS**

#### The indicated measurements are expressed in millimetres.



MAXIMUS MPX SERIES2