MAXIMUS MPX DELUX

EXPLOSION-PROOF FULL HD PTZ CAMERA WITH NEW DELUX TECHNOLOGY, FOR DAY/NIGHT VIEWING WITH EXCEPTIONAL NIGHT BRIGHTNESS



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DESCRIPTION

MAXIMUS MPX DELUX is an explosion-proof FULL HD PTZ camera which integrates new DELUX imaging and encoding technology for outdoor video surveillance, allowing recordings to be produced with incredibly bright and vivid colours both by day and by night. This camera is ideal for efficient video surveillance and control of processes in critical environments where the atmosphere is potentially explosive due to the presence of inflammable gases or dust, typical of the Oil&Gas, marine or industrial sectors.

Thanks to the superior light sensitivity of the sensor, the DELUX technology means that it is possible to make bright recordings with sharp, clearly defined colours in the very low light conditions typically found at night, working at as low as 0.006 lux (0.0006 lux in black and white).

MAXIMUS MPX DELUX is a Day/Night Full HD 1080p camera with 30x optical zoom and a frame rate of 60fps. It is capable of precisely identifying the details in a scene, even in dynamic, rapidly changing situations. DELUX technology for MAXIMUS MPX DELUX has introduced new, advanced performance in proportional zoom control and management of privacy masking for sensitive areas.

The video images are sent via the network with compression H.264/AVC, MPEG4, MJPEG or JPEG and up to a maximum of 3 simultaneous and independent Full HD video streams.

The MAXIMUS MPX 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 (eg. passenger ships, open-air decks, closed spaces and technical areas that may be subject to heat generated by other equipment, potentially explosive areas, docking procedures). MPX DELUX

CERTIFICATIONS



TYPE

4X

IP66

FEATURES

Certifications for use in Zone 1 and 2, Group IIC T6 (Gas), and in Zone 21 and 22, Group IIIC T85° (Dust) Marine Certification: Lloyd's Register Marine Type Approval Electropolished AISI 316L stainless steel ex-proof PTZ unit Camera Full HD 1080p, 30x, 60fps Minimum Illumination: • Colour: 0.006lx • B/W: 0.0006lx Video compression H.264/AVC, MJPEG, JPEG and MPEG4 Complies with ONVIF, Profile Q, Profile S and Profile T **Digitally signed firmware Complies with ONVIF Security Service specifications** Day/Night (Auto ICR: automatic removal of IR filter) **De-fog function** Up to 3 simultaneous video streams in FULL HD 1 alarm input and 1 relay output Variable speed: from 0.1°/s up to 100°/s Pan and Tilt Position accuracy: 0.02° Speed proportional to Zoom 34" NPT threaded hole for use of cable glands or conduit Integrated wiper Operating temperature: from -40° C (-40° F) up to $+60^{\circ}$ C (140° F)

TECHNICAL DATA

GENERAL

AISI 316L stainless steel construction	
Passivated and electropolished external surfaces	
Dynamic positioning control system	

MECHANICAL

1 hole 3/4" NPT for cable gland	
Zero backlash	
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	
Accuracy of preset positions: 0.02°	
12mm (0.47in) thick tempered glass window	
Integrated wiper	
Unit weight: 27kg (60lb)	

ELECTRICAL

Supply voltage/Current consumption

- 230Vac, 0.5A, 50/60Hz
- 24Vac, 5A, 50/60Hz

• 120Vac, 1A, 50/60Hz

- Power consumption:
 - 120W max

NETWORK

Ethernet connection: 100 Base-TX Connector: RJ45

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

I/O INTERFACE

- I/O alarm board
 - Alarm inputs: 1
 - Relay outputs: 1 (1A, 30Vac/60Vdc max)

CAMERAS

Day/Night Full HD 30x DeLux
Resolution: Full HD 1080p (1920x1080pixel)
Image Device: 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 F9.6,10 steps (Auto, Manual)
Horizontal Viewing Angle: from 61.6° (wide end) up to 2.50° (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 OdB up to 36dB (Auto, Manual)
Wide Dynamic Range: 120dB
Focus System: Auto, Manual, Trigger
Picture Effects: E-flip, Color enhancement
Noise removal: 2D, 3D
Exposure Control: Auto, Manual, Priority (Iris Priority, Shutter Priority), Brightness, Custom
De-fog: On/Off
Privacy zones masking (maximum 8 settable masks)

ENVIRONMENT

For indoors and outdoors installation Operating temperature: from -40°C (-40°F) up to +60°C (140°F)

Wind resistance

- PTZ static: 230km/h (143mph) max.
- PTZ operational at the maximum speed: 210km/h (130.5mph) max.
- Relative humidity: from 10% up to 95% (no condensation)

CERTIFICATION	IS
Electrical safety (CE): EN60950-1, IEC60950-1
Electromagnetic of 4, EN55032 (Class	compatibility (CE): EN61000-6-4, EN61000-3-2, EN61000-3-3, EN50130- A)
RoHS (CE): EN505	81
Outdoor installati	on (CE): EN60950-22, ICE60950-22
IP protection deg	ree (EN/IEC60529): IP66
Vibration test: EN	50130-5, EN60068-2-6
UL certification (l version)	JL60950-1, CAN/CSA C22.2 No. 60950-1-07): cULus Listed (only for 24Vac
-	compatibility (North America): FCC part 15 (Class A), ICES-003 (Class A)
	n Type (UL50E): 4X (only for 24Vac version)
BIS certification: I the code: MPXHD	S 13252(PART 1):2010/ IEC 60950-1 : 2005 (certification only valid for 21VW0Z00B)
CERTIFICATION	IS - EXPLOSION-PROOF APPLICATIONS
	0+A11, EN 60079-1, EN 60079-31)
	0, IEC 60079-1, IEC 60079-31)
EAC EX (TR CU 012	
INMETRO (ABNT N	IBR IEC 60079-0, ABNT NBR IEC 60079-1, ABNT NBR IEC 60079-31)
UL listed for USA	(UL 60079-0, UL 60079-1, UL 60079-31), only for 24Vac version
	da (CAN/CSA-C22.2 No. 60079-0, CAN/CSA-C22.2 NO. 60079-1, CAN/ 079-31), only for 24Vac version
	and labor department 2016-54)
For further details	on certifications and markings, consult the relevant table.
CERTIFICATION	IS - MARINE APPLICATIONS
Lloyd's Register M accessory FM1010	Narine Type Approval certification (the 24Vac versions require a filter)):
 Test Specifica 	ation Number 1 (ENV1, ENV2, ENV3, ENV5)
	compatibility: EN60945
	ce: EN60068-2-52
Tested at 70°C (15	58°F) for 16 hours in compliance with EN60068-2-2
BRACKETS ANI) ADAPTORS
MPXWBA	AISI 316L stainless steel wall bracket
MPXCW	AISI 316L stainless steel corner adapter module
MPXCOL	AISI 316L stainless steel pole adapter module
MPXWBTA	AISI 316L stainless steel parapet or ceiling mounting bracket
ACCESSORIES	
WASEX2T4AT	Tank 10I (2.6gal) with integrated manual pump controlled by ATEX certified solenoid valve, delivery head up to 20m (66ft) max, IN 24Vac/Vdc
WASEX2T4GOR	Tank 10l (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 10I (2.6gal) with integrated manual pump controlled by INMETRO certified solenoid valve, delivery head up to 20m (66ft) max, IN 24Vac/Vdc

EMC filter for marine certificationMBX3MAAExplosion-proof communication box in stainless steel, IN 120Vac, with EMC filter for marine certificationMBA155AExplosion-proof communication box in aluminium, IN 230VacMBA255AExplosion-proof communication box in aluminium, IN 120VacOCTEX3/4CCable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXB3/4CCable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXB3/4CBarrier cable gland in nickel-plated brass X14" NPT, unarmoured 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 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, armoured cable IECEX-ATEX-EAC ExOCTEXB3/4PBarrier cable gland in nickel-plated brass X1/2" NPT, armoured cable IECEX-ATEX-EAC ExOCTEXB3/4PCable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEXOCTEXB3/4PCable gland in nickel-plated brass X1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXB1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXB1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXB1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX		
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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 ATEXOCTEXB1/2CBarrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXB1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, armoured cable IECEX-ATEX-EAC ExOCTEX1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEX51/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXA1/2CGable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable gland in nickel-plated brass EX 1/2" NPT armoured cable IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable gland in nickel-plated brass S 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEXP3/4CConduit 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))OCABLMPXARM4Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryOCABLMPXARM10Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay	OCTEXBA3/4C	
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cable IECEX-ATEX-EAC ExOCTEXB1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXBA1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, armoured cable IECEX-ATEX-EAC ExOCTEX1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXS1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXA1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXA1/2CCable gland in nickel-plated brass EX 1/2" NPT armoured cable IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable 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 CSA us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80°C (+176°F))OCABLMPXARM4Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryOCABLMPXARM10Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryFM1010EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEXA3/4	
cable IECEX-ATEX-EAC ExOCTEXBA1/2PBarrier cable gland in nickel-plated brass EX 1/2" NPT, armoured cable IECEX-ATEX-EAC ExOCTEX1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXS1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXA1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable gland in nickel-plated brass EX 1/2" NPT armoured cable IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable 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 CSA us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80°C (+176°F))OCABLMPXARM4Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryOCABLMPXARM10Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryFM1010EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEXB1/2C	
cable IECEX-ATEX-EAC ExOCTEX1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXS1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXA1/2CCable gland in nickel-plated brass EX 1/2" NPT armoured cable IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable 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 CSA us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80°C (+176°F))OCABLMPXARM4Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryOCABLMPXARM10Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryFM1010EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEXB1/2P	
IECEX-ATEX-EAC ExOCTEXS1/2CCable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC ExOCTEXA1/2CCable gland in nickel-plated brass EX 1/2" NPT armoured cable IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC ExOCTEX1/2-3/4PCable 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 CSA us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80°C (+176°F))OCABLMPXARM4Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryOCABLMPXARM10Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetryFM1010EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEXBA1/2P	
IECEX-ATEX-EAC Ex OCTEXA1/2C Cable gland in nickel-plated brass EX 1/2" NPT armoured cable IECEX-ATEX-EAC Ex OCTEX1/2-3/4P Cable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC Ex OCTEX1/2-3/4P Cable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC Ex OCTEX1/2-3/4P Cable glands reduction in nickel-plated brass 5/4" NPT IECEX-ATEX-EAC Ex 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)) OCABLMPXARM4 Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry OCABLMPXARM10 Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry FM1010 EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEX1/2C	
IECEX-ATEX-EAC Ex OCTEX1/2-3/4P Cable glands reduction in nickel-plated brass Ex 3/4" - 1/2" NPT IECEX-ATEX-EAC Ex 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 CSA us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80°C (+176°F)) OCABLMPXARM4 Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry OCABLMPXARM10 Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry FM1010 EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEXS1/2C	
IECEX-ATEX-EAC Ex 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 CSA us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80°C (+176°F)) OCABLMPXARM4 Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry OCABLMPXARM10 Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry FM1010 EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEXA1/2C	
IECEX-ATEX-EAC Ex 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)) OCABLMPXARM4 Cabling for MPX/MPXHD, 4m (13ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry OCABLMPXARM10 Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry OCABLMPXARM10 Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry FM1010 EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEX1/2-3/4P	
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cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry OCABLMPXARM10 Cabling for MPX/MPXHD, 10m (32.8ft) (armoured cable and barrier cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry FM1010 EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCTEXP3/4C	us - EAC Ex (operating temperature: from -60°C (-76°F) up to +80°C
cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video cable, 7 wires for alarms, relay and telemetry FM1010 EMC filter for Marine certification For further details about cable glands part numbers, please refer to the relevant table.	OCABLMPXARM4	cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video
For further details about cable glands part numbers, please refer to the relevant table.	OCABLMPXARM10	cable gland): 1 Ethernet cable, 3 power supply wires, 1 coaxial video
	FM1010	EMC filter for Marine certification
	For further details at	bout cable glands part numbers, please refer to the relevant table.
	PACKAGE	

PACKAGE	
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Model Number	Weight	Dimensions (WxHxL)	Master carton
MPXHD11VW0Z00B	30.4kg (67lb)	54x31x49cm (21x12x19in)	-

CABLE GLANDS AND ACCESSORIES 1/2" 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 / +80°C (-76°F / +176°F)	Unarmoured cable	OCTEXB1/2C	3.0 - 8.0mm (0.12-0.31in)	-	
		-60°C (-76°F) / +135°C (275°F)	Unarmoured cable	OCTEXB1/2P	12.5 - 14.0mm (0.5-0.55in)	-	
			Armoured cable	OCTEXBA1/2P	15.5 - 21.1mm (0.61-0.83in)	-	
Cable gland with gasket	IECEX/ATEX/EAC Ex	-60°C/+100°C	Unarmoured cable	OCTEX1/2C	3.2 - 8.0mm (0.12-0.31in)	-	
		(-76°F / +212°F)	Unarmoured cable	OCTEXS1/2C	6.5 - 11.9mm (0.26 - 0.47in)	-	
			Armoured cable	OCTEXA1/2C	12.5 - 20.5mm (0.49 - 0.8in)	10 - 14.3mm (0.4 - 0.56in)	
Plug EX 1/2"NPT	IECEX/ATEX/EAC Ex	-100°C (-148°F) / +400°C (752°F)	_	OEXPLUG1/2P	-	-	

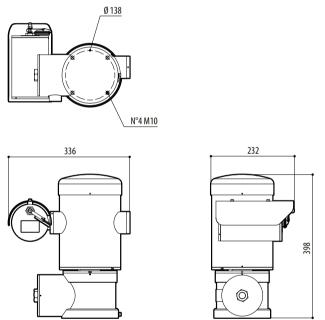
Туре	Certification	Operating temperature	Cable	Model Number	Diameter of the external cable	Under armor cable diameter
Barrier cable gland	IECEX/ATEX/EAC Ex	-60°C / +80°C (-76°F / +176°F)	Armoured cable	OCTEXBA3/4C	16.9 - 26.0mm (0.66-1.02in)	_
		-60°C (-76°F) / +135°C (275°F)	Unarmoured cable	OCTEXB3/4P	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	-	-

MAXIMUS MPX DELUX - CERTIFICATIONS AND MARKINGS	
Certification	Marking
ATEX	© II 26 Ex db IICT6 Gb Ta -40°C to +60°C © II 2D Ex tb IIICT85°C Db Ta -40°C to +60°C IP66
IECEx	Ex db IIC T6 Gb Ta -40°C to +60°C Ex tb IIIC T85°C Db Ta -40°C to +60°C IP66
EAC EX	Ex II 2G Ex db IIC T6 Gb Ta -40°C to +60°C Ex II 2D Ex tb IIIC T85°C Db Ta -40°C to +60°C IP66
INMETRO	Ex db IICT6 Gb -40°C \leq Ta \leq +60°C Ex tb IIICT85°C Db -40°C \leq Ta \leq +60°C IP66
KCs	Ex d IICT6 Ex tb IIICT85°C $-40°C \le Ta \le +60°C$
UL listed for USA (only 24Vac)	Class I Zone 1 AEx db IIC T6 Zone 21 AEx tb IIIC T85°C Class I, Division 2, Group A, B, C and D, T6 Class II, Division 2, Group F and G, T6
UL listed for Canada (only 24Vac)	Ex db IIC T6 Gb Ex tb IIIC T85°C Db Class I, Division 2, Group A, B, C and D, T6 Class II, Division 2, Group F and G, T6

MAXIMUS MPX DELUX - CONFIGURATION OPTIONS									
	Voltage	Camera				Video Output			
MPXHD	1 230Vac	1 Videotec super low-light Day/Night 30X zoom, Full HD camera	V With alarm board	W With wiper	0	Z IP H.264/AVC, ONVIF protocol, Profil Q, Profil S and Profile T	00B		
	2 24Vac								
	3 120Vac								

TECHNICAL DRAWINGS

The indicated measurements are expressed in millimetres.



MAXIMUS MPX DELUX