

IP66

IP67

IP68



NXM + VIPNX



NXM + VIPNX + NXPTH + NXFWBT + NXWBPTH1

### DESCRIPTION

The NXM housing, entirely constructed from AISI 316L electropolished stainless steel, is designed to operate in specialist environments such as marine, industrial, chemical and where the external conditions are highly corrosive.

In order to prevent the formation of dust deposits, the housing can be equipped with a flange designed to create an air barrier in front of the glass.

The air, normally drawn from a compressor, can be purified by the optional filter group.

The options of wiper and water pump ensure a constant cleaning of the front window

The NXM housing can be installed on NXPTH Pan & Tilt head, to obtain a complete positioning system.

### MAIN FEATURES

Made of AISI 316L electropolished stainless steel

IP66/IP67/IP68, submersible down to -50m (-164ft), equal to 5 bar max. pressure

Cylindrical body enclosed by two 9mm(0.4in)-thick circular flanges

2 PG13.5 cable glands in nickel-plated brass for external connections

Available accessories: heater and double heater (for temperatures down to -40°C (-40°F), camera power supply, air barrier + air filtering group and washer pump

Internal usable area (WxHxL): 88x86x334mm (3.5x3.4x13.1in)

## TECHNICAL DATA

### MECHANICAL

Housing manufactured in polished stainless steel (austenitic stainless alloy steel resistant to corrosion and heat):

- AISI 316L
- UNI 6900-71: X 2 Cr Ni Mo 17 12 2
- DIN 17006: X 2 Cr Ni Mo 17 13 2
- N° werkstoff: 1.4404
- AFNOR: Z2 CND 17-12
- BSI: 316S11

The screws utilised are in austenitic alloy stainless steel, corrosion and heat resistant according to the following standards:

- ISO: 7380
- AISI: 316
- ISO quality: A4
- Resistance class ISO: from 50 to 70

Internal usable area (WxH): 88x86mm (3.5x3.4in)

Internal usable area with double heater (WxH): 55x100mm (2.2x3.9in)

Internal usable length (without accessories): 334mm (13.1in)

Internal usable length (with heater and/or power supply): 245mm (9.6in)

External dimensions: Ø 154mm, length 370mm

Flange thickness: 9mm (0.35in) (front/back)

Cable glands: 2xPG13.5 (nickel-plated brass for external connections)

Gaskets: High sealing O-ring

Housing window

- Material: Tempered extra clear glass
- Usable diameter: 97mm, 95mm (with air barrier)
- Thick: 4mm

Unit weight: 6kg (13.3lb)

### ELECTRICAL

Supply voltage/Current consumption (version with heater, Ton 15°C±3°C (59°F±5°F), Toff 22°C±3°C (72°F±5°F)):

- 12Vdc, 1.6A max
- 24Vac, 0.85A max, 50/60Hz
- 120Vac, 0.35A max, 50/60Hz
- 230Vac, 0.18A max, 50/60Hz

Supply voltage/Current consumption (version with double heater, Ton 15°C±3°C (59°F±5°F), Toff 22°C±3°C (72°F±5°F)):

- 120Vac, 0.7A max, 50/60Hz
- 230Vac, 0.35A max, 50/60Hz

Camera power supply

- IN from 100Vac up to 240Vac, 50/60Hz - OUT 12Vdc, 1.25A
- IN 230Vac, 50Hz - OUT 24Vac, 50Hz, 400mA

### ENVIRONMENT

For installation indoors and outdoors

Submersible: up to -50m (-164ft) (pressure: 5bar)

Operating temperature with heater: from -20°C (-4°F) up to +60°C (140°F)

Operating temperature with double heater: from -40°C (-40°F) up to +60°C (140°F)

### CERTIFICATIONS

Electrical safety (CE): EN60065

Electromagnetic compatibility (CE): EN50130-4, EN61000-6-3

IP protection degree: EN60529

- IP66/IP67/IP68 (5 bar, for 48 hours)

EAC certification

### ACCESSORIES

|                 |                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------|
| OHEH06B         | Heater 120/230Vac                                                                                                |
| OHEH05B         | Heater 12Vdc/24Vac                                                                                               |
| ONXPS1B         | Wide range power supply for camera IN 100-240Vac - OUT 12Vdc, 1.25A                                              |
| ONXPS2B         | Camera power supply IN 230Vac - OUT 24Vac, 400mA                                                                 |
| VIPNX1C         | 230Vac stainless steel wiper for NXM housing                                                                     |
| VIPNX2C         | 24Vac stainless steel wiper for NXM housing                                                                      |
| ONXAB2          | Front flange with air barrier and tempered glass                                                                 |
| NXFIGRU         | Filtering group for compressed air cleaning                                                                      |
| WASOV5L5M00     | Water tank 5l (1 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac                                |
| WASOV23L5M00    | Water tank 23l (6 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac                               |
| WASOV23L11M00   | Water tank 23l (6 gal), pump with delivery up to 11m (36ft), IN 230Vac-24Vac-120Vac                              |
| WAS1V23L30M00   | Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 230Vac                       |
| WAS3V23L30M00   | Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 120Vac                       |
| WASPTOV5L5M00   | Water tank 5l (1 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac                                |
| WASPTOV23L5M00  | Water tank 23l (6 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac                               |
| WASPTOV23L11M00 | Water tank 23l (6 gal), pump with delivery up to 11m (36ft) with water floating, IN 230Vac-24Vac-120Vac          |
| WASPT1V23L30M00 | Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 230Vac                       |
| WASPT3V23L30M00 | Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 120Vac                       |
| DTWRX           | Data receiver for remote control of the wiper and WASPT range pumps in stand-alone housings                      |
| WASN1V10L20M00  | Tank 10l with integrated manual pump controlled by solenoid valve, delivery head up to 20m (66ft) max, IN 230Vac |
| WASN2V10L20M00  | Tank 10l with integrated manual pump controlled by solenoid valve, delivery head up to 20m (66ft) max, IN 24Vac  |
| WASN3V10L20M00  | Tank 10l with integrated manual pump controlled by solenoid valve, delivery head up to 20m (66ft) max, IN 120Vac |

### RELATED PRODUCTS

|       |                           |
|-------|---------------------------|
| NXPTH | Stainless steel P&T motor |
|-------|---------------------------|

### SPARE PARTS

|             |                                |
|-------------|--------------------------------|
| ONXMMAN     | Maintenance kit for NXM        |
| OSPAVIPNXMC | Complete blade for VIPNX wiper |

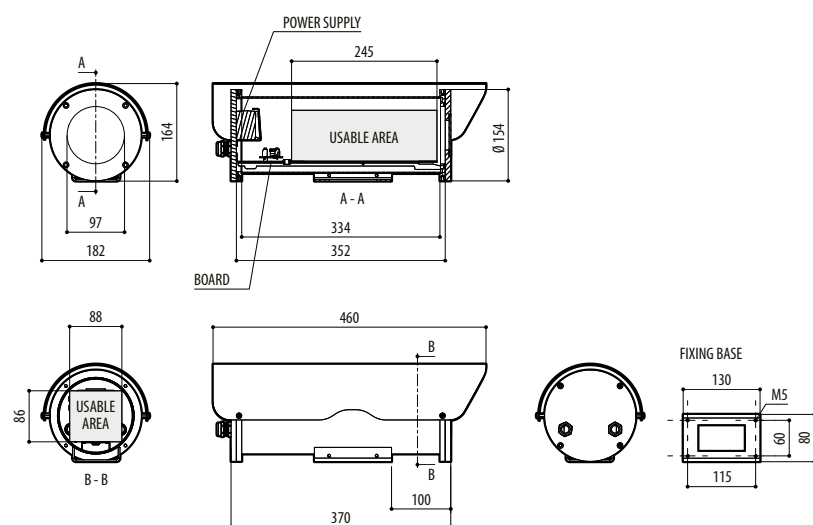
### PACKAGE

| Model Number | Weight         | Dimensions (WxHxL)              | Master carton |
|--------------|----------------|---------------------------------|---------------|
| NXM0D1000B   | 7.3kg (16.1in) | 29.5x19.5x49cm (11.6x7.7x3.8in) | 3             |

| AVAILABLE MODELS |           |                      |                    |                          |                 |
|------------------|-----------|----------------------|--------------------|--------------------------|-----------------|
| Model Number     | Sunshield | Heater 120Vac/230Vac | Heater 12Vdc/24Vac | Double heater 120/230Vac | Max consumption |
| NXMOD1000B       | —         | —                    | —                  | —                        | —               |
| NXM1K1000B       | ✓         | ✓                    | —                  | —                        | 40W             |
| NXM2K1000B       | ✓         | —                    | ✓                  | —                        | 20W             |
| NXM1K1050        | ✓         | —                    | —                  | ✓                        | 80W             |

## TECHNICAL DRAWINGS

The dimensions of the drawings are in millimetres.



NXM