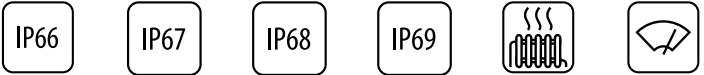


# NXM36

## CAMERA HOUSING FOR INSTALLATION IN AGGRESSIVE ENVIRONMENTS



NXM36 + VIPNX

### DESCRIPTION

The NXM36 housing has been developed for installations in highly corrosive areas such as industrial chemical, petrochemical, marine, naval and offshore platforms; entirely made from electropolished and passivated AISI 316L stainless steel for maximum protection against deterioration.

The IP66/IP67/IP68/IP69 level guarantees complete protection against bad weather and water immersion.

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

For the coldest environments down to  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ), the range includes a specific version with reinforced heater.

The NXM36 product is 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, docking procedures).

### CERTIFICATIONS



### MAIN FEATURES

- Made of AISI 316L electropolished stainless steel
- Cylindrical body enclosed by two 6mm(0.24in)-thick circular flanges
- 2 PG13.5 cable glands in nickel-plated brass for external connections
- IP66/IP67/IP68/IP69
- Marine Certification: Lloyd's Register Marine Type Approval
- Available accessories: heater and double heater (for temperatures down to  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ), camera power supply, wiper and washer pump

# TECHNICAL DATA

## GENERAL

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

## MECHANICAL

Approximate useful internal dimensions:

- Standard versions (WxH): 88x86mm (3.5x3.4in)
- Dual heating version (WxH): 55x86mm

Internal usable length:

- Standard versions: 334mm (13.1in)
- Versions with heating and/or power supply: 245mm (9.6in)

External dimensions (ØxL): 154x358mm

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

Flange thickness: 6mm (0.24in) (front/back)

Gaskets: High sealing O-ring

Housing window

- Material: Tempered extra clear glass
- Usable diameter: 97mm (3.8in)
- Thick: 4mm (0.16in)

Unit weight: 5kg (11lb)

## ELECTRICAL

### Standard version

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

### Version with double heater

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

## ENVIRONMENT

For indoors and outdoors installation

Submersible: up to -40m (-130ft) (pressure: 4bar)

Operating temperature (standard version, 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)

Operating temperature (Hi-PoE version): from -20°C (-4°F) up to +60°C (140°F)

Relative humidity: from 5% up to 95%

## CERTIFICATIONS

Electrical safety (CE): EN60950-1, EN62368-1

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

IP protection degree (EN60529): IP66, IP67, IP68, IP69

## CERTIFICATIONS - MARINE APPLICATIONS

Lloyd's Register Marine Type Approval certification:

- Test Specification Number 1 (ENV1, ENV2, ENV3, ENV5)

Electromagnetic compatibility: EN60945

Salty fog resistance: EN60068-2-52

Tested at 70°C (158°F) for 16 hours in compliance with EN60068-2-2

## ACCESSORIES

|                 |                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------|
| NXCTPG13SS      | Kit of 2xPG 13.5 stainless steel cable glands IP68 for stainless steel housings                          |
| ONXMAIRB        | Front flange with air barrier and tempered glass                                                         |
| ONXMAIRBIR      | Front flange with air barrier and with IR-proof glasses                                                  |
| NXFGRU2         | Filtering group for compressed air cleaning                                                              |
| OHEH06B         | Heater, 120Vac or 230Vac, for housings NXM36, NTM36                                                      |
| OHEH05B         | Heater, 12Vdc or 24Vac, for housings NXM36, NTM36                                                        |
| ONXPS1B         | Wide range camera power supply IN from 100Vac up to 240Vac - OUT 12Vdc, 1.25A, for housings NXM36, NTM36 |
| ONXPS2B         | Camera transformer, IN 230Vac, 50Hz - OUT 24Vac, 50Hz, 400mA, for housings NXM36, NTM36                  |
| VIPNX1C         | 230Vac stainless steel wiper for NXM housing                                                             |
| VIPNX2C         | 24Vac stainless steel wiper for NXM housing                                                              |
| WAS0V5L5M00     | Water tank 5l (1.3gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac                       |
| WAS0V23L5M00    | Water tank 23l (6gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac                        |
| WAS0V23L11M00   | Water tank 23l (6gal), pump with delivery up to 11m (36ft), IN 230Vac-24Vac-120Vac                       |
| WAS1V23L30M00   | Water tank 23l (6gal), pump with delivery up to 30m (98ft) with water floating, IN 230Vac                |
| WAS3V23L30M00   | Water tank 23l (6gal), pump with delivery up to 30m (98ft) with water floating, IN 120Vac                |
| WASPT0V5L5M00   | Water tank 5l (1.3gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac                       |
| WASPT0V23L5M00  | Water tank 23l (6gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac                        |
| WASPT0V23L11M00 | Water tank 23l (6gal), pump with delivery up to 11m (36ft) with water floating, IN 230Vac-24Vac-120Vac   |
| WASPT1V23L30M00 | Water tank 23l (6gal), pump with delivery up to 30m (98ft) with water floating, IN 230Vac                |
| WASPT3V23L30M00 | Water tank 23l (6gal), 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                                                                            |
| WASNX1V10L20M00 | Tank 10l (2.6gal) with integrated manual pump, controlled by solenoid valve, IN 230Vac, delivery head up to 30m (98ft), with 20m (66ft) antistatic water delivery pipe |
| WASNX2V10L20M00 | Tank 10l (2.6gal) with integrated manual pump, controlled by solenoid valve, IN 24Vac, delivery head up to 30m (98ft), with 20m (66ft) antistatic water delivery pipe  |
| WASNX3V10L20M00 | Tank 10l (2.6gal) with integrated manual pump, controlled by solenoid valve, IN 120Vac, delivery head up to 30m (98ft), with 20m (66ft) antistatic water delivery pipe |

## BRACKETS AND ADAPTORS

|          |                                                               |
|----------|---------------------------------------------------------------|
| NXWBS1   | AISI 316L stainless steel wall bracket with joint             |
| NXC0L    | AISI 316L stainless steel pole adapter module                 |
| NXCW     | AISI 316L stainless steel corner adapter module               |
| NXWTU    | AISI 316L stainless steel adapter module for oblique surfaces |
| MHXWFWCA | AISI 316L stainless steel ball joint                          |
| MHXWBS   | AISI 316L stainless steel wall bracket                        |

## SPARE PARTS

|           |                           |
|-----------|---------------------------|
| ONXM36MAN | Maintenance kit for NXM36 |
|-----------|---------------------------|

## PACKAGE

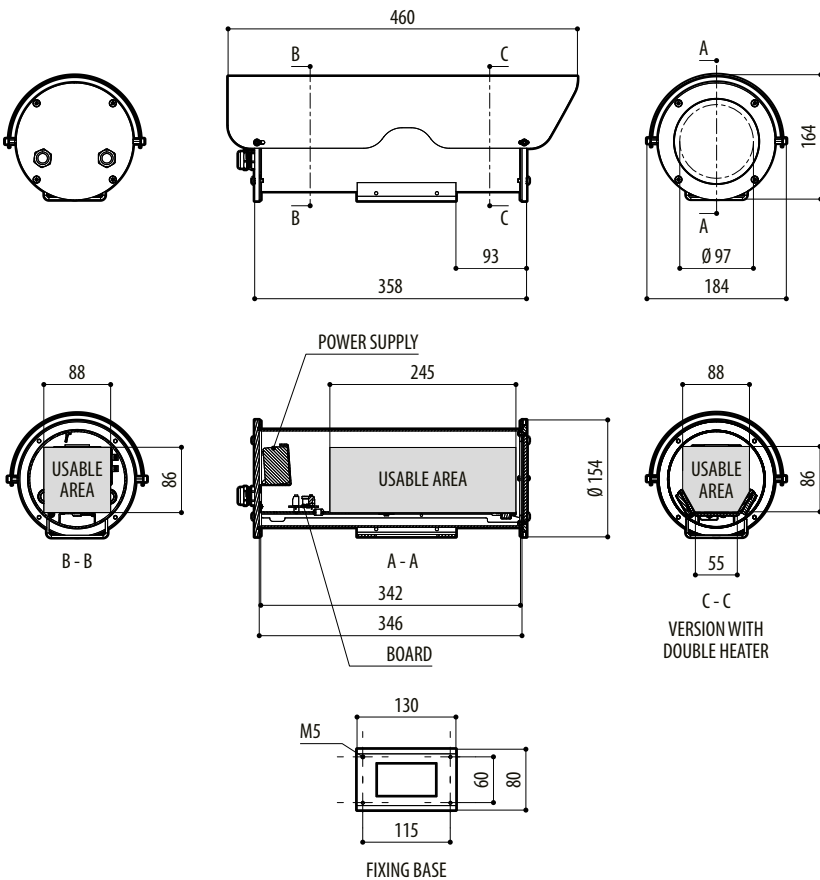
| Model Number | Weight       | Dimensions (WxHxL)              |
|--------------|--------------|---------------------------------|
| NXM36        | 6.4kg (14lb) | 29.5x19.5x49cm (11.6x7.7x3.8in) |

## AVAILABLE MODELS

| Model Number | Sunshield | Heater 120Vac/230Vac | Heater 12Vdc/24Vac | Double heating 120Vac/230Vac | Consumption max |
|--------------|-----------|----------------------|--------------------|------------------------------|-----------------|
| NXM36K1000   | ✓         | ✓                    | -                  | -                            | 40W             |
| NXM36K1050   | ✓         | -                    | -                  | ✓                            | 80W             |
| NXM36K2000   | ✓         | -                    | ✓                  | -                            | 20W             |

## TECHNICAL DRAWINGS

The indicated measurements are expressed in millimetres.



NXM36

## SUPPORT

Learn more and find additional documentation at [pelco.com](http://pelco.com) or email [support@pelco.com](mailto:support@pelco.com) for specific product support.



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