FOR INSTALLATION WITH THERMAL CAMERAS IN AGGRESSIVE ENVIRONMENTS
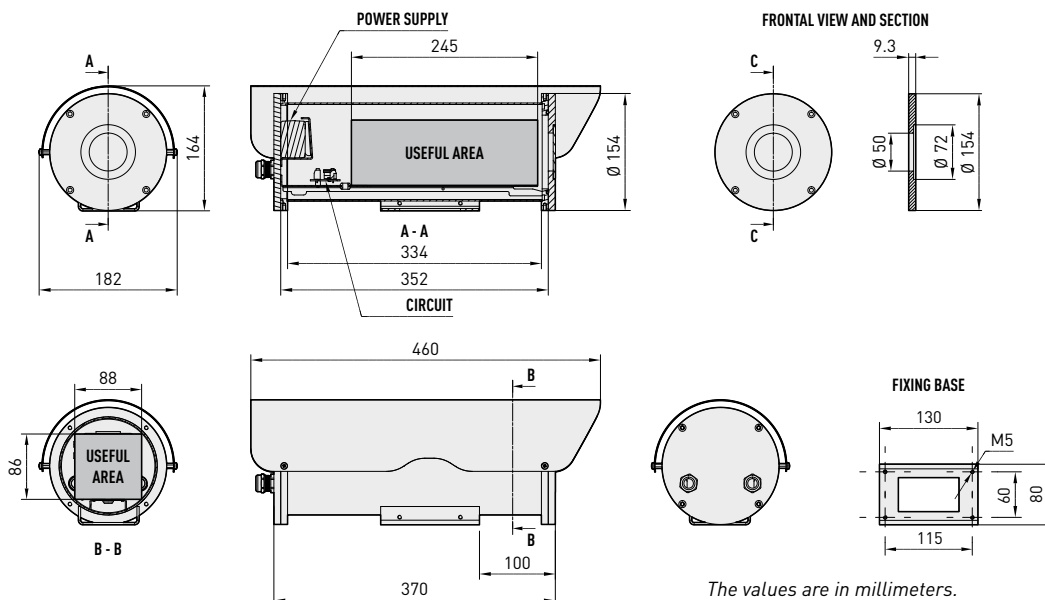

- Germanium window glass
- AISI 316 stainless steel construction
- For highly aggressive environments
- Supplied with sunshield and 230V AC heater
- Weatherproof standard IP66

The NTM housing, entirely made of AISI 316 stainless steel, is equipped with a germanium viewing window designed for Thermal Imaging Cameras installation. The clear germanium glass composition with remarkable properties covers transmission from 7.5 to 14µm IR range with the best optical quality. The window dimension allows the installation of a thermal camera equipped with 9.2mm/45° lens.

The housing consists of a 130mm diameter cylindrical body enclosed by two 9mm thick circular flanges. The back flange is equipped with two PG13.5 cable glands for the external connections.

NTM is designed to operate in special environments such as marine, industrial, chemical and where the external agents are highly corrosive.

A wide range of accessories is available, including sunshield and heater factory-installed, NXWBS1 stainless steel special bracket and possibility of mounting the VIPNX wiper and washer.

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THERMAL IMAGING CAMERA HOUSINGS

POWER SUPPLY

245

USEFUL AREA

Ø 154

A - A
334

352

CIRCUIT

A

164

182

FRONTAL VIEW AND SECTION

9.3

C

Ø 50

Ø 72

Ø 154

C

460

B

88

86

USEFUL AREA

B - B

370

100

B

FIXING BASE

130

M5

60

80

115

The values are in millimeters.

NTM

FOR INSTALLATION WITH THERMAL CAMERAS IN AGGRESSIVE ENVIRONMENTS

TECHNICAL DATA

GENERAL

Made of stainless steel (Austenitic alloy stainless steel, corrosion resistant according to the following standards):

- UNI 6900-71: X 2 Cr Ni Mo 17 12
- AISI: 316L
- DIN 17006: X 2 Cr Ni Mo 18 10
- N° WERKSTOFF: 1.4404
- AFNOR: Z2 CND 17-12
- BSI: 316 S 12

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

- UNI 6900: X 5 Cr Ni Mo 1712
- AISI: 316
- ISO quality: A4
- Resistance class ISO: 80

Supplied with instruction manual, desiccants bag, accessories for camera and lens mounting

UNI: Ente Nazionale Italiano di Unificazione, AISI: American Iron and Standard Institute, DIN: Deutsche Industrie Normen, AFNOR: Association Française de Normalisation, BSI: British Standard Institution, ISO: International Organization for Standardization

MECHANICAL

2 cable glands: 2xPG13.5 in nickel-plated brass for external connections

External body polishing

9mm (0.3in) thick front and back flange

O-ring gaskets

Germanium Glass Window

2mm (0.07in) thick, Ø 70mm (2.8in) external, Ø 50mm (1.7in) internal

External non-scratch treatment (hard carbon coating)

Internal antireflection treatment

Spectral range from 7.5 to 14µm IR range

Average transmission from 7.5 to 11.5µm, 94%

Average transmission from 11.5 to 14µm, 90%

External dimensions: Ø 125mm (4.9in) length 350mm (13.7in)

Internal usable area (BxH): 88x86mm (3.4x3.4in)

Internal usable length

- NTM 334mm (13.1in)

Internal usable length with heater and/or power supply

- NTM 245mm (9.6in)

Wiper

- Wiperblade and enclosure made of AISI 316 stainless steel
- Dimensions (ØxL): 100x169mm (3.9x6.6in), not comprehensive of blade
- Connector 3+1 pins
- IN 230V AC, consumption 7W max
- IN 24V AC, consumption 7W max

ELECTRICAL

Heater Ton 15°C +/-3°C (59°F +/-5°F) Toff 22°C +/-3°C (71°F +/-5°F)

- IN 12V DC/24V AC, consumption 20W max
- IN 115/230V AC, consumption 40W max

Camera power supply

- IN 100-240V AC - OUT 12V DC, 50/60 Hz, 1A
- IN 230V AC - OUT 24V AC, 50Hz, 400mA

ACCESSORIES

0NXMAS6	Sunshield
0NXMH1B	Heater 115/230V AC
0NXMH2B	Heater 12V DC/24V AC
0NXPS1B	Wide range camera power supply IN 100-240V AC - OUT 12V DC
0NXPS2B	Camera power supply IN 230V AC - OUT 24V AC

RELATED PRODUCTS

NXWBS1	Wall bracket for stainless steel housing
NXPTH	Stainless steel Pan&Tilt
VIPNX1	Wiper 230V AC
VIPNX2	Wiper 24V AC
VIP5WAS01	Tank 5l, 230V AC washer pump
VIP5WAS02	Tank 5l, 24V AC washer pump
VIP25WAS01	Tank 25l, 230V AC washer pump
VIP25WAS02	Tank 25l, 24V AC washer pump
VIP25WASA01	Tank 25l, 230V AC washer pump, high delivery up 30m
DTWRX	Optional board for remote control of wiper and water pump of the UPTWAS series

ENVIRONMENT

Indoor / Outdoor

Operating temperature with heater: -20°C / +50°C (-4 / +122° F)

COMPLIANCE TO

NTM

CE according to EN 61000-6-3, EN 60065, EN 50130-4

IP6 according to EN 60529

VIPNX

CE according to EN 61000-6-3, EN 60065, EN 50130-4

IP67

SPARE PARTS LIST

0NXMMAN	Maintenance kit NTM housing
0SPAVIPNXM	Complete wiper blade for VIPNX
0NTMFA	Complete NTM front cover

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THERMAL IMAGING CAMERA HOUSINGS

	Unit Weight:	Package Weight:	Package Dimensions (BxHxL):	Master Carton:
	NTM 6kg / 13.3lb	**NTM** 10.2kg / 16lb	**NTM** 24.5x24.5x62cm / 9.7x9.7x24.1in	**NTM** -
	VIPNX 1.7kg / 3.7lb	**VIPNX** 1.9kg / 4.2lb	**VIPNX** 14.5x15x27cm / 5.7x5.9x10.6in	**VIPNX** -