

MAIN FEATURES

Germanium glass window

Available with different dimensions windows

AISI 316 stainless steel construction

For highly aggressive environments

Weatherproof standard IP66/IP67

DESCRIPTION

The NTL housing, entirely constructed from AISI 316 electropolished stainless steel, is equipped with a Germanium viewing window designed for thermal camera installations.

The clear Germanium glass composition with remarkable properties covers transmission from 7.5 to 14µm IR range with the best optical quality. The different available window dimension allows the installation of a thermal camera equipped with several lenses.

The housing is conceived to operate in special environments such as salt water applications such as marine or coastal patrol, industrial or chemical applications, and where external conditions are highly corrosive.

The NTL housing consists of a 168mm diameter cylindrical body enclosed by two circular flanges. The back flange is equipped with 4 cable glands for external connections. The housing's opening is possible either the front or the back cover for adjusting the lens and various connections.

Available accessories: heater, stainless steel brackets and wiper-washer. The NTL housing can be installed on NXPTH Pan & Tilt head obtaining a complete positioning system.



NTL



NTL + NXWBL

AVAILABLE MODELS			
Code	Sunshield	Power supply 230Vac	Ø Germanium Glass
NTL1K1000	•	•	55mm
NTL1K1300	•	•	70mm
NTL1K1500	•	•	110mm

TECHNICAL DATA

GENERAL

Constructed from electropolished stainless steel (Austenitic alloy stainless steel, corrosion and heat resistant according to the following standards):

- UNI 6900-71: X 2 Cr Ni Mo 17 12
- AISI: 316
- 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 and heat resistant according to the following standards:

- UNI 6900: X 5 Cr Ni Mo 17 12
- AISI: 316
- ISO quality: A4
- Resistance class ISO: 80

Supplied with instruction manual, desiccant 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

4xPG13.5 nickel-plated brass cable glands for external connections

12mm (0.5in) thick front and 9mm (0.35in) thick back flange

External body polishing

O-ring gaskets

Internal usable dimensions (WxH): 112x112mm (4.5x4.5in)

GERMANIUM GLASS WINDOW

2mm (0.07in) thick

NTL1K1000 Ø 70mm (2.8in) external, Ø 55mm (2.1in) internal

NTL1K1300 Ø 85mm (3.3in) external, Ø 70mm (2.8in) internal

3mm (0.11in) thick

NTL1K1500 Ø 125mm (4.9in) external, Ø 110mm (4.3in) 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%

Internal usable length

NTL 562mm (22.1in)

Internal usable length with connection board

NTL 477mm (18.7in)

WIPER

Wiper blade and enclosure constructed from AISI 316 stainless steel

Dimensions (ØxL): 100x169mm (3.9x6.6in) not comprehensive of blade

Connector 3+1 pins

IN 230Vac, consumption 7W max

IN 24Vac, consumption 7W max

ELECTRICAL

Heater Ton 15°C±3°C (59°F±5°F) Toff 22°C±3°C (71°F±5°F)

- IN 12Vdc/24Vac, consumption 20W max
- IN 115/230Vac, consumption 40W max

ENVIRONMENT

Indoor / Outdoor

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

CERTIFICATIONS

NTL

CE EN61000-6-3, EN60065, EN50130-4

IP66/IP67 EN60529

VIPNXL

CE EN61000-6-3, EN60065, EN50130-4

IP66 EN60529

VIPNXL1B Stainless steel wiper 230Vac

VIPNXL2B Stainless steel wiper 24Vac

ACCESSORIES

ONXLH1 Heater 115/230Vac

ONXLH2 Heater 12Vdc/24Vac

VIP5WAS01 Tank 5l (1,3gal), 230Vac washer pump

VIP5WAS02 Tank 5l (1,3gal), 24Vac washer pump

VIP23WAS01 Tank 23l (6gal), 230Vac washer pump

VIP23WAS02 Tank 23l (6gal), 24Vac washer pump

VIP23WASA01 Tank 23l (6gal), 230Vac washer pump, high delivery up 30m (98ft)

UPTWAS01C Tank 23l (6gal), IN 230Vac washer pump (prearranged for DTWRX board)

UPTWAS02C Tank 23l (6gal), IN 24Vac washer pump (prearranged for DTWRX board)

UPTWAS03C Tank 23l (6gal), IN 120Vac washer pump (prearranged for DTWRX board)

UPTWASA01C Tank 23l (6gal), IN 230Vac washer pump, high delivery up 30m (98ft) (prearranged for DTWRX board)

UPTWASA03C Tank 23l (6gal), IN 120Vac washer pump, high delivery up 30m (98ft) (prearranged for DTWRX board)

DTWRX Optional board for remote control of wiper and washer pump of the UPTWAS series

BRACKETS AND ADAPTORS

NXWBL Wall bracket for stainless steel housing

RELATED PRODUCTS

NXPTH Stainless steel Pan&Tilt