

# NTL

## LARGE HOUSING FOR THERMAL CAMERAS

### MAIN FEATURES

Made of AISI 316L electropolished stainless steel

Germanium window

IP66/IP67

Available with different window dimensions: Ø 55mm (2.1in), Ø 70mm (2.8in) and Ø 110mm (4.3in)

Available accessories: heater, camera power supply

### DESCRIPTION

This housing for thermal camera provides the vision also in complete darkness, fog, rain, smoke or for long-range distances.

It is possible to use this housing for a wide range of high-security surveillance systems, such as: monitoring and rescue in the event of a fire, public safety, along with airport, industrial and environmental surveillance.

The germanium window has non-scratch treated, Hard Carbon Coating (DLC) on the outside and antireflection inside; the spectral range is from 7.5µm to 14µm.

The big dimensions of this camera housing make it suitable to contain the largest zoom lenses of the market.

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



NTL + NXWBL



NTL + NXWBL

### AVAILABLE MODELS

Model Number	Housing sunshield	Power supply 230Vac	Ø germanium window
NTL1K1000	✓	✓	55mm (2.1in)
NTL1K1300	✓	✓	70mm (2.8in)
NTL1K1500	✓	✓	110mm (4.3in)

## TECHNICAL DATA

### GENERAL

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

- 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

Cable glands: 4xPG13.5 (nickel-plated brass for external connections)

Flange thickness: 12mm (0.47in) (front), 9mm (back)

External body polishing

Gaskets: High sealing O-ring

Internal usable area (WxH): 112x112mm (4.4x4.4in)

Internal usable length: 562mm (22.1in)

Internal usable length (with heater): 477mm (18.7in)

Unit weight: 13kg (28.7lb)

### HOUSING'S WINDOW

Germanium window (thick: 2mm (0.07in))

- NTL1K1000  
Usable diameter: 55mm (2.1in)
- NTL1K1300  
Usable diameter: 70mm (2.8in)
- External treatment: antiscratch (Hard Carbon Coating - DLC), antireflection
- Internal treatment: antireflection
- Spectral range: from 7.5µm up to 14µm
- Medium transmittance (from 7.5µm up to 11.5µm): 90%
- Medium transmittance (from 11.5µm up to 14µm): 77%

Germanium window (thick: 3mm (0.1in))

- NTL1K1500  
Usable diameter: 110mm (4.3in)
- External treatment: antiscratch (Hard Carbon Coating - DLC), antireflection
- Internal treatment: antireflection
- Spectral range: from 7.5µm up to 14µm
- Medium transmittance (from 7.5µm up to 11.5µm): 90.6%
- Medium transmittance (from 11.5µm up to 14µm): 76.4%

### ELECTRICAL

Heater (Ton 15°C±3°C (59°F±5°F), Toff 22°C±3°C (72°F±5°F))

- Power supply/Consumption: IN 12Vdc/24Vac, 20W max
- Power supply/Consumption: IN 120/230Vac, 40W max

### ENVIRONMENT

For installation indoors and outdoors

Operating temperature (with heater): from -20°C (-4°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)

EAC certification

### ACCESSORIES

ONXLH1	Heater 120/230Vac
ONXLH2	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

### BRACKETS AND ADAPTORS

NXWBL	Stainless steel wall bracket with joint
-------	---

### RELATED PRODUCTS

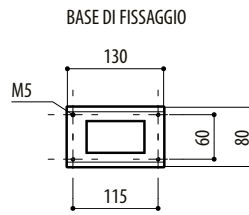
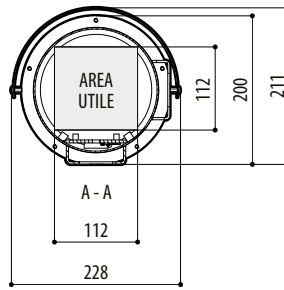
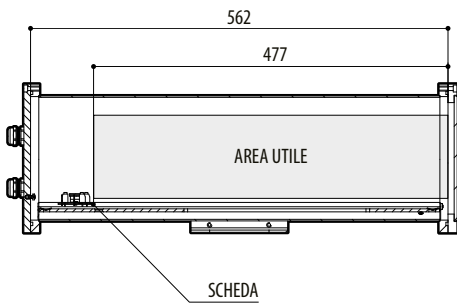
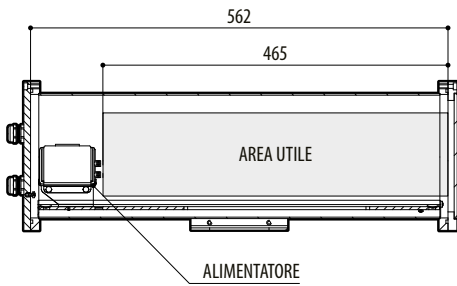
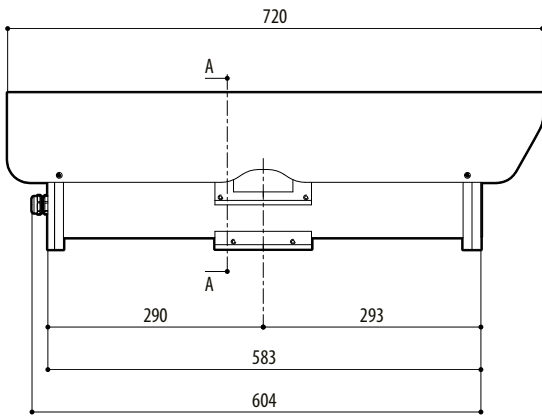
NXPTH	Stainless steel P&T motor
-------	---------------------------

### PACKAGE

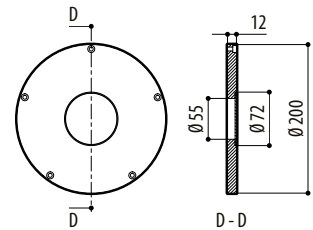
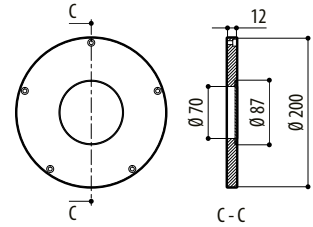
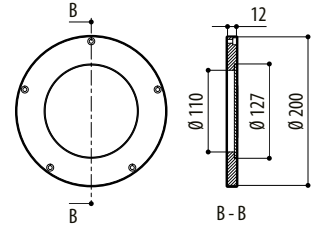
Model Number	Weight	Dimensions (WxHxL)	Master carton
NTL1K1000	15kg (33.5lb)	29.5x35x75cm (11.6x13.8x29.5in)	-

**TECHNICAL DRAWINGS**

The dimensions of the drawings are in millimetres.



FLANGIA FRONTALE



NTL