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 it 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 is external non-scratch treated, Hard Carbon Coating (DLC), and internal antireflection; the spectral range is from 7.5 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

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AVAILABLE MODELS

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

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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:

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

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

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

Flange thickness: 12mm (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

Germanium window

- NTL1K1000 (internal) Dimensions (Ø): 70mm (2.8in) (external), 55mm (2.1in)
- NTL1K1300 (internal) Dimensions (Ø): 85mm (3.3in) (external), 70mm (2.8in)
- Thick: 2mm (0.07in)
- NTL1K1500 (internal) Dimensions (Ø): 125mm (4.9in) (external), 110mm (4.3in)
- Thick: 3mm (0.1in)
- External scratch-resistant treatment: Hard Carbon Coating (DLC)
- Internal antireflection treatment
- Spectral range: 7.5µm ÷ 14µm
- Medium transmittance (7.5µm ÷ 11.5µm): 94%
- Medium transmittance (11.5µm ÷ 14µm): 90%

ELECTRICAL

Heater (Ton 15°C±3°C (59°F ±5°F), Toff 22°C±3°C (77°F±5°F))

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

ENVIRONMENT

Indoor/Outdoor

Operating temperature (with heater): -20°C (-4°F)/+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, 1A
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)	-

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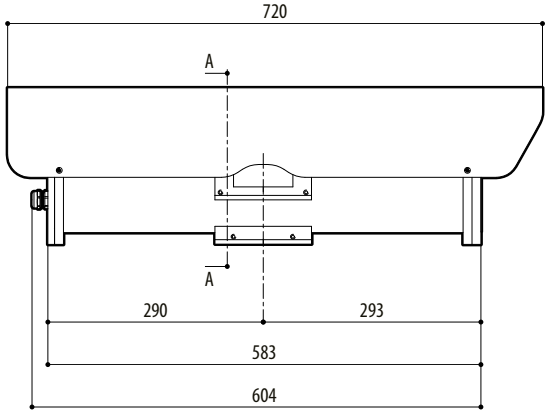
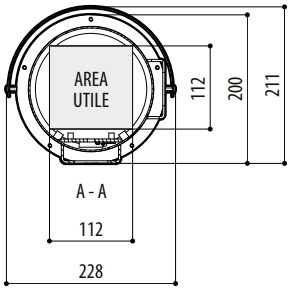
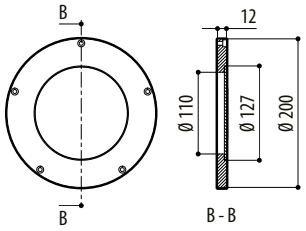
TECHNICAL DRAWINGS

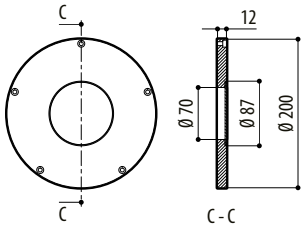
Sizes in millimeters.

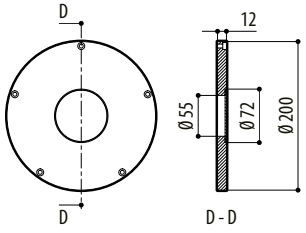


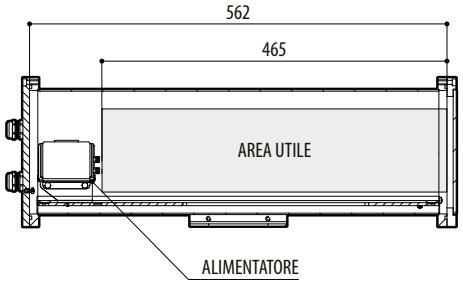


FLANGIA FRONTALE

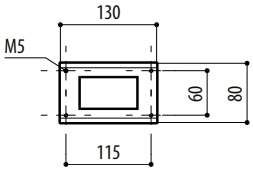


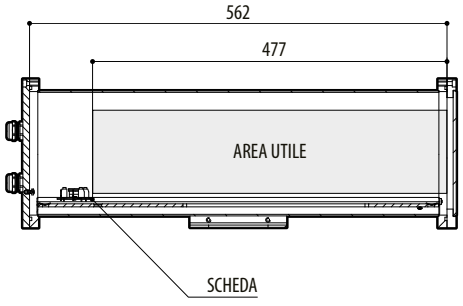






BASE DI FISSAGGIO





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