NTL

LARGE HOUSING FOR THERMAL CAMERAS

IP66 IP67

NTL + NXWBL

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.

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

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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

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

Flange thickness: 12mm (0.47in) (front), 9mm (0.35in) (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 (0.08in))

- 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 120Vac/230Vac, 40W max

ENVIRONMENT

For indoors and outdoors installation

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

Relative humidity: from 5% up to 95%

CERTIFICATIONS

Electrical safety (CE): EN60065, EN62368-1

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

IP protection degree: EN60529 (IP66/IP67)

EAC certification

ACCESSORIES

NXCTPG13SS	Kit of 2xPG 13.5 stainless steel cable glands IP68 for stainless steel housings
ONXLH1	Heater 120Vac/230Vac
ONXLH2	Heater 12Vdc/24Vac
ONXPS1B	Wide range camera power supply IN from 100Vac up to 240Vac, 50/60Hz - OUT 12Vdc, 1.25A
ONXPS2B	Camera transformer IN 230Vac, 50Hz - OUT 24Vac, 50Hz, 400mA

BRACKETS AND ADAPTORS

NXWBL	AISI 316L stainless steel wall bracket with joint
NXWBS1	AISI 316L stainless steel wall bracket with joint
NXCOL	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

RELATED PRODUCTS

NXPTH	Stainless steel P&T motor

PACKAGE

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

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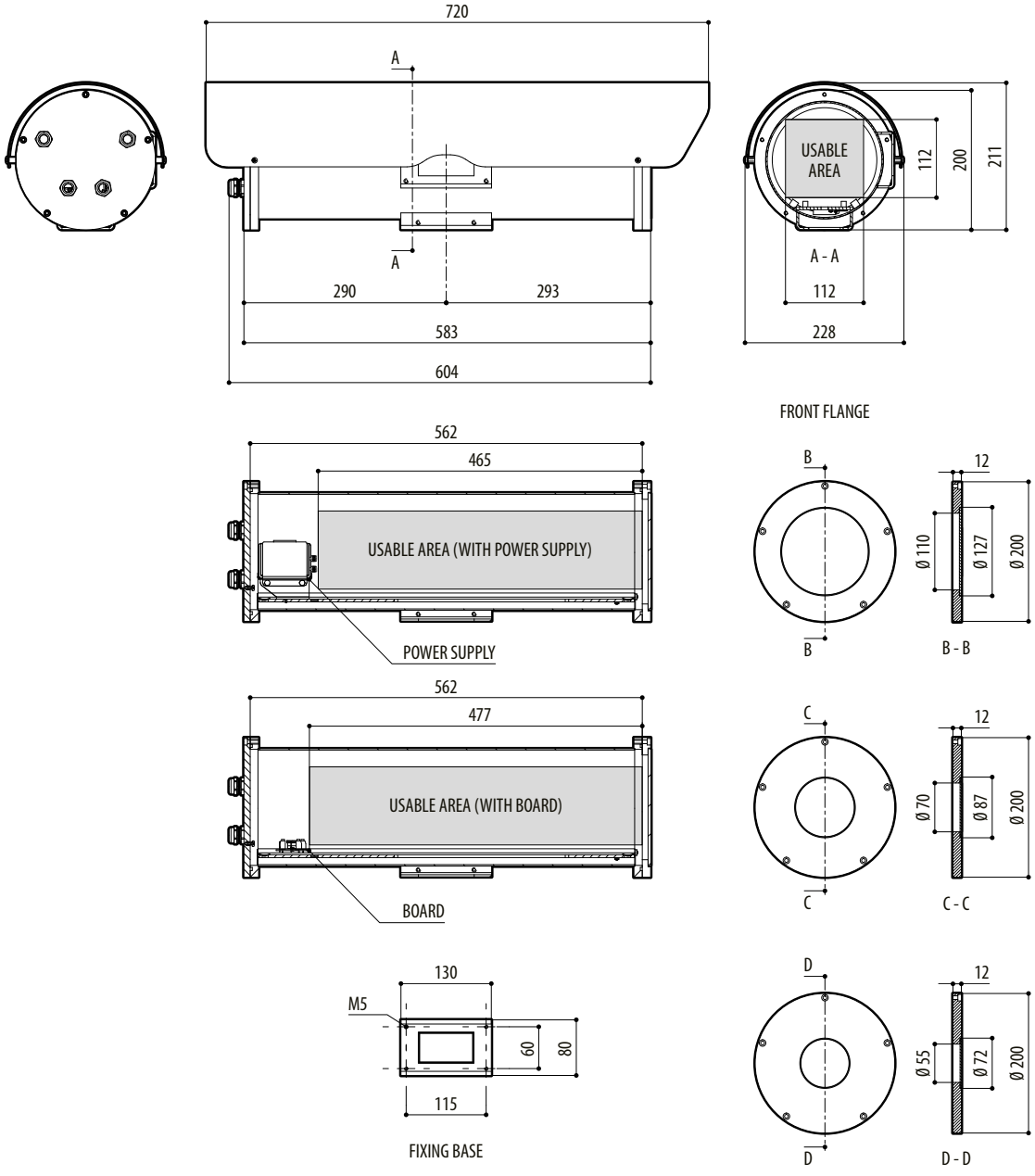
AVAILABLE MODELS			
Model Number	**Housing sunshield**	**Power supply 120Vac/230Vac**	**Usable diameter of the window**
NTL1K1000	√	√	55mm (2.1in)
NTL1K1300	√	√	70mm (2.8in)
NTL1K1500	√	√	110mm (4.3in)

TECHNICAL DRAWINGS

The indicated measurements are expressed in millimetres.



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