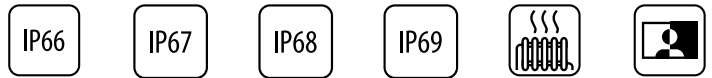


NTM36

HOUSING FOR THERMAL CAMERAS IN HOSTILE ENVIRONMENTS



DESCRIPTION

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

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 AISI 316L stainless steel construction allows the installation in environments with highly corrosive external agents, such as marine, industrial or chemical environments.

MAIN FEATURES

- Made of AISI 316L electropolished stainless steel
- Germanium window
- Cylindrical body enclosed by two 9mm(0.4in)-thick circular flanges
- 2 PG13.5 cable glands in nickel-plated brass for external connections
- IP66/IP67/IP68/IP69
- Available accessories: camera power supply

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

Approximate useful internal dimensions:

- Standard versions (WxH): 88x86mm (3.5x3.4in)

Internal usable length:

- Standard versions: 334mm (13.1in)
- Versions with heating and/or power supply: 245mm (9.6in)

External dimensions (ØxL): 154x358mm (6.1x14.1in)

Cable glands: 2xPG13.5 (nickel-plated brass for external connections)

Flange thickness: 6mm (0.24in) (front/back)

Gaskets: High sealing O-ring

Unit weight: 6kg (13.3lb)

HOUSING'S WINDOW

Germanium window:

- Usable diameter: 55mm (2.1in)
- Thick: 2mm (0.08in)
- External treatment: antiscratch (Hard Carbon Coating - DLC)
- 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%

ELECTRICAL

Supply voltage/Current consumption (version with heater, Ton 15°C±3°C (59°F ±5°F), Toff 22°C±3°C (72°F±5°F)):

- 12Vdc, 1.6A max
- 24Vac, 0.85A max, 50/60Hz
- 120Vac, 0.35A max, 50/60Hz
- 230Vac, 0.18A max, 50/60Hz

ENVIRONMENT

For indoors and outdoors installation

Submersible: up to -40m (-130ft) (pressure: 4bar)

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

Relative humidity: from 5% up to 95%

CERTIFICATIONS

Electrical safety (CE): EN60950-1, EN62368-1

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

IP protection degree (EN60529): IP66, IP67, IP68, IP69

ACCESSORIES

NXCTPG13SS	Kit of 2xPG 13.5 stainless steel cable glands IP68 for stainless steel housings
OHEH06B	Heater, 120Vac or 230Vac, for housings NXM36, NTM36
OHEH05B	Heater, 12Vdc or 24Vac, for housings NXM36, NTM36
ONXPS1B	Wide range camera power supply IN from 100Vac up to 240Vac - OUT 12Vdc, 1.25A, for housings NXM36, NTM36
ONXPS2B	Camera transformer, IN 230Vac, 50Hz - OUT 24Vac, 50Hz, 400mA, for housings NXM36, NTM36

BRACKETS AND ADAPTORS

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
MHXWFWCA	AISI 316L stainless steel ball joint
MHXWBS	AISI 316L stainless steel wall bracket

SPARE PARTS

ONXM36MAN	Maintenance kit for NXM36
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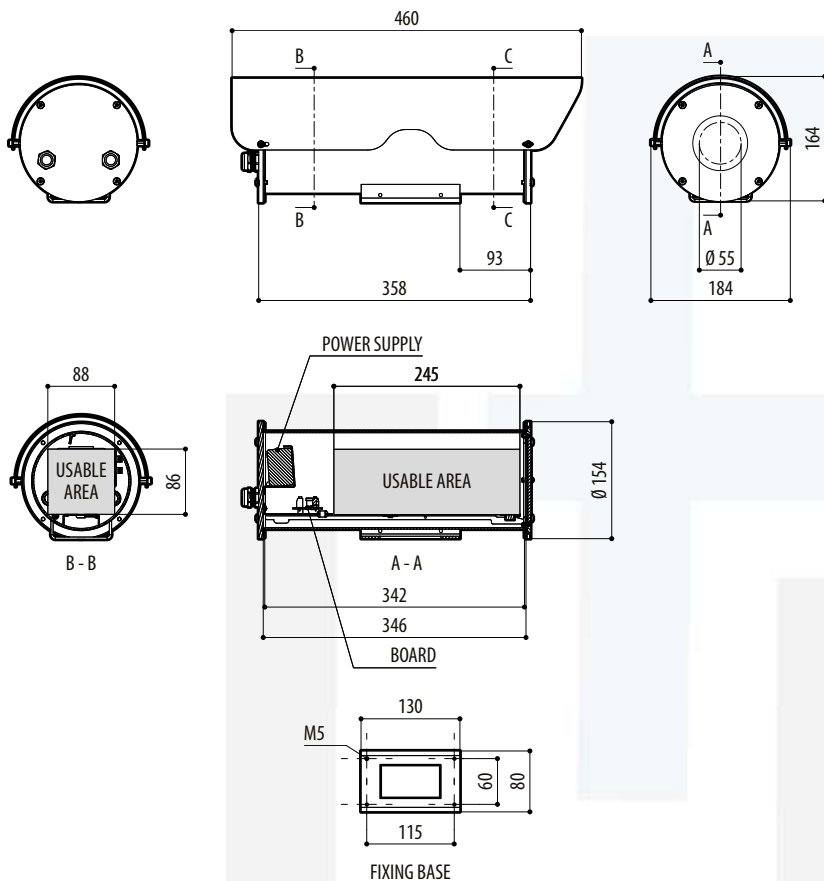
PACKAGE

Model Number	Weight	Dimensions (WxHxL)
NTM36	6.4kg (14lb)	29.5x19.5x49cm (11.6x7.7x3.8in)

NTM36 - MODEL IDENTIFICATION			
Model Number	Sunshield	Heater 120Vac/230Vac	Heater 12Vdc/24Vac
NTM36K1000	✓	✓	-
NTM36K2000	✓	-	✓

TECHNICAL DRAWINGS

The indicated measurements are expressed in millimetres.



NTM36

SUPPORT

Learn more and find additional documentation at pelco.com or email support@pelco.com for specific product support.



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