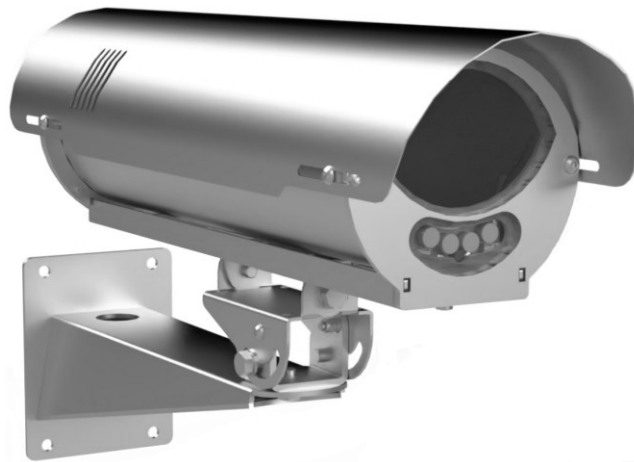# DATASHEET

HS 850 IR

stainless steel AISI 316L housing
with long range IR illuminator integrated

- AISI 316L stainless steel housing
- weatherproof rating IP67
- slide opening system
- joint with 3rd axis for easier orientation
- IR illuminator integrated (wavelength 850nm)
- adjustable night switch integrated
- adjustable IR intensity illumination
- IR distance: up to 80m.
- Input power: 230Vac or 24Vac (two different models)
- easy fastening and positioning
- wide range of accessories

IP 67
STANDARD

AISI316L stainless steel housing

 HS 850 IR is a cylindrical weatherproof housing, entirely made of AISI 316L stainless steel. The electropolishing treatment increases the corrosion resistance and makes the housing particularly indicated for installations in marine, industrial and chemical environments.
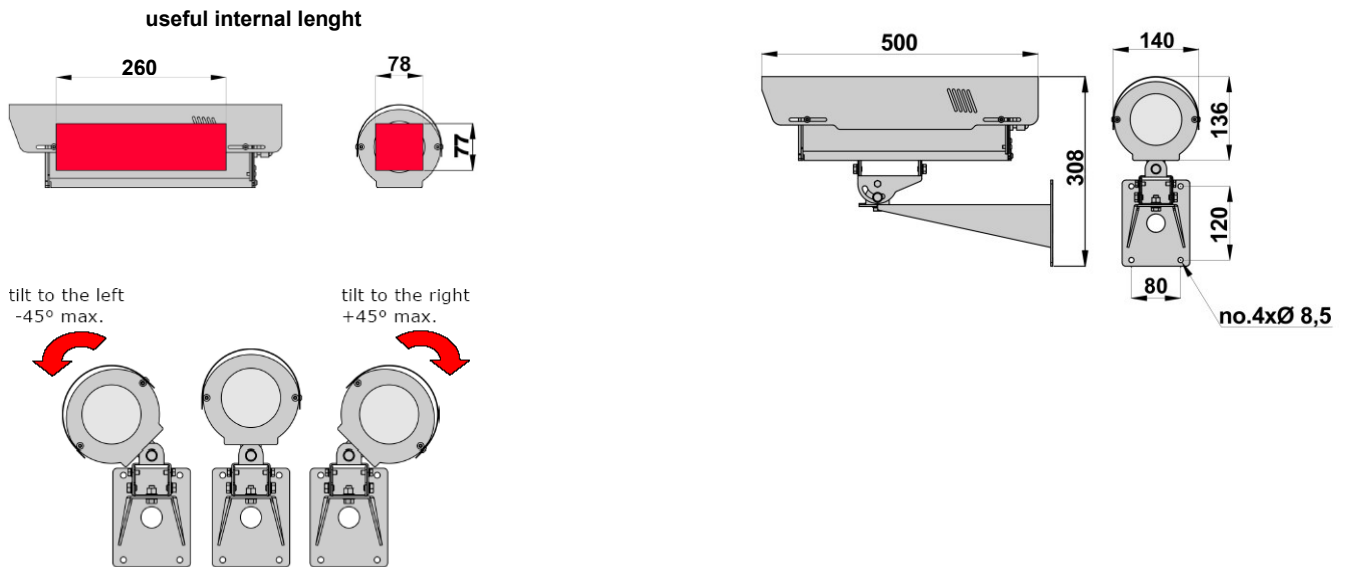Inside the housing there are 4 long range infrared Led illuminators with low power consumption. The built-in monitoring circuit provides great flexibility and precision during installation and adjustments: it allows to adjust both the twilight switching threshold and the intensity of the IR light. When placing the order, it is possible to choose from four different angles of illumination: 10°, 30° and 60°.

It is supplied with a special joint, realized by Global Proof with an exclusive system that allows the third axis tilt: in this way it is possible to mount the housing also in an arched ceiling or in a wall that is not perpendicular to the ground.

The lightweight of this housing allows to mount it also in small pan-tilt systems.

DATASHEET

TECHNICAL DRAWINGS

useful internal lenght

260

78

77

500

140

136

308

120

80

no.4xØ 8,5

tilt to the left
-45° max.

tilt to the right
+45° max.

the values are in millimeters

TECHNICAL DATA

GENERAL
- body made in stainless steel AISI 316L
- sunshield in stainless steel AISI 316L with wide range of adjustment
- stainless steel A4 bolts and screws
- wall bracket made in stainless steel AISI 316L
- extractable slide-out body
- no. 2 metallic cable glands PG13,5
- heater
- wide range of accessories
- supplied with instruction manual
according to RoHS compliance

ELECTRICAL
- thermostatically controlled heater
  power max. 30W
  t on +15°C   t off +22°C (+/- 3°C)

- thermostatically controlled blower
  power max. 1W
  t on +37°C   t off 27°C   (+/- 3°C)

- Buil-in IR illuminator:
                IN 230-110Vac 10W
                IN 24Vac 10W

- **TR1** trimmer for adjusting the twilight switch sensor and **TR2** trimmer for adjusting the IR emission intensity.

MECHANICAL
- usable internal space 78x77mm.(BxH) or Ø 95
- useful length: 260mm
- glass window with anti-reflective optical separator
- weatherproof rating IP67
- indoor/outdoor installations
- operating temperature with heater from –20°C to +60°C (with double heater from -40°C to +60°C)
- weight 7 Kg. (weight of the housing in KIT version)

ACCESSORIES
VI850   internal ventilation pre-assembled
RD850   double heater for low temperature (down to -40°C)
AL850/A power supply 230/12Vdc 1,3A
AL850/B power supply 230/24Vac 500mA
SNF800   adaptor plate for pan/tilt devices

RELATED PRODUCTS
SP/C   pole adaptor AISI 316L
SA/C   corner adaptor AISI 316L
STS800   adaptor plate for ceiling mounting