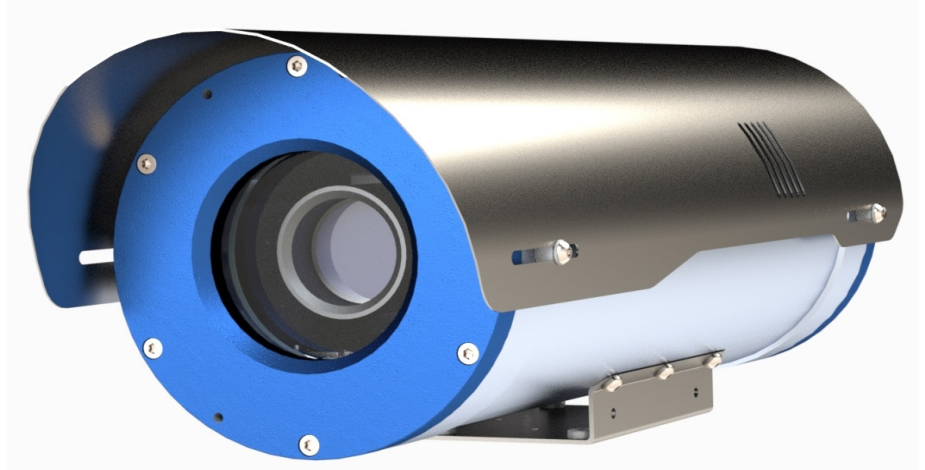


# DEX31

## Explosion proof camera housing

DEX-DTS-19-525-B



- Anticorodal aluminium ATEX housing for hazardous areas
- Certifications Ex d for use in Zone 1 and 2, Group IIC (gas) and Ex tb Zone 21 e 22 (dust)
- Weatherproof rating IP66/67
- The housing is supplied with two holes for metric cable glands (3/4" NPT on request)
- Possibility to wall or ceiling mounting by apposite brackets
- Easy installation and maintenance
- Optical powered by PoE/PoE+ (802.3af-802.3at compliant)

### Explosion proof housing made of Anticorodal aluminium

The DEX31 is a cylindrical explosion proof housing, made of Anticorodal aluminium with anodic treatment, that ensures a high corrosion resistance and makes the housing particularly indicated for installations in marine, industrial and chemical environments, where there is a potentially explosive atmosphere.

The housing is supplied with two cable glands with metric thread or NPT thread (the latter is available on request). The housing can be equipped with a full range of solutions: sealing ring for unarmoured cable, sealing ring for steel wire armoured (SWA) cable, barrier gland for unarmoured cable and barrier gland for steel wire armoured (SWA) cable.

The camera power, heating and ventilation is handled directly from the internal circuit "Smart PoE", in this way it not need any additional external power sources.

### Technical Specifications

#### General

- body in aluminium Anticorodal
- anodic oxidation treatment for excellent resistance to extreme environments
- stainless steel bolts and screws
- wide range of accessories
- supplied with instruction manual
- according to RoHS compliance

#### Electrical

- Available voltages: 230V, 110V, 24V, 12V.
- heater: 230V-110V, 24V, 12V  
consumption max. 80W  
t on +15°C t off +22°C (+/- 3°C)
- max power consumption of devices installed inside of the housing (camera/lens):  
20W max.
- max power delivered by internal power supply (if present) available for camera/  
lens: 12W max.

#### Certifications

##### ATEX

II 2G Ex db IIC T6 Gb Ta-40°C to +60°C

II 2D Ex tb IIIC T85°C Db Ta-40°C to +60°C

II 2G Ex db IIC T5 Gb Ta-40°C to +75°C

II 2D Ex tb IIIC T100°C Db Ta-40°C to +75°C

##### IECEX

Ex db IIC T6 Gb Ta-40°C to +60°C

Ex tb IIIC T85°C Db Ta-40°C to +60°C

Ex db IIC T5 Gb Ta-40°C to +75°C

Ex tb IIIC T100°C Db Ta-40°C to +75°C

#### Mechanical

- glass window Ø 85mm
- weatherproof rating: IP66/67
- indoor/outdoor installations
- operating temperature with heater: from -20°C to +60°C or from -40°C to +60°C  
(strengthened heater)
- weight: 406 version: 10,5 Kg.  
506 version: 12,0 Kg.

All specifications, dimensions, weight and tolerances are nominal (typical) and Dexter reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.

### Technical Specifications

#### Accessories

DEX31-AL/A	power supply 230/12Vdc 1,3A
DEX31-AL/B	power supply 230/24Vac 500mA
DEX31-AL/C	power supply 230/12Vdc 2,1A
DEX31-AL/D	power supply 230/24Vdc 1,1A
DEX31-AL/E	power supply 24Vdc/12Vdc 15W
DEX31-RD/A	strengthened heater 110/240Vac
DEX31- RD/B	strengthened heater 24/12Vac-dc
DEX31-TP	anti-tamper switch set
DEX31-VI	built-in blower set
DEX31-SUN	stainless steel sunshield
DEX31-HDB	stainless steel wall bracket and joint
DEX31-PMTC	cable glands set composed by no.2x M25 cable glands for for unarmoured cable
DEX31-PNPT	cable glands set composed by no.2x ¾"NPT cable glands for for unarmoured cable.
DEX31-TPM25	M25 cap for closing the rear hole

#### Related Products

DEX31-Pole	stainless steel AISI 316L pole adaptor
DEX31-CA	stainless steel AISI 316L corner adaptor
DEX31-CEI	ceiling adaptor (available only with ST910 wall bracket)
DEX31-PT	parapet bracket with joint

#### Reference Norms:

- ATEX DIRECTIVE 2014/34/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres
- EN 60079-0:2012 / IEC 60079-0:2011 + IS1:2013 : Explosive atmospheres - Part 0: Equipment - General requirements + A11:2013 EN / IEC 60079-1:2014 : Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures 'd'
- EN / IEC 60079-31:2014 : Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'

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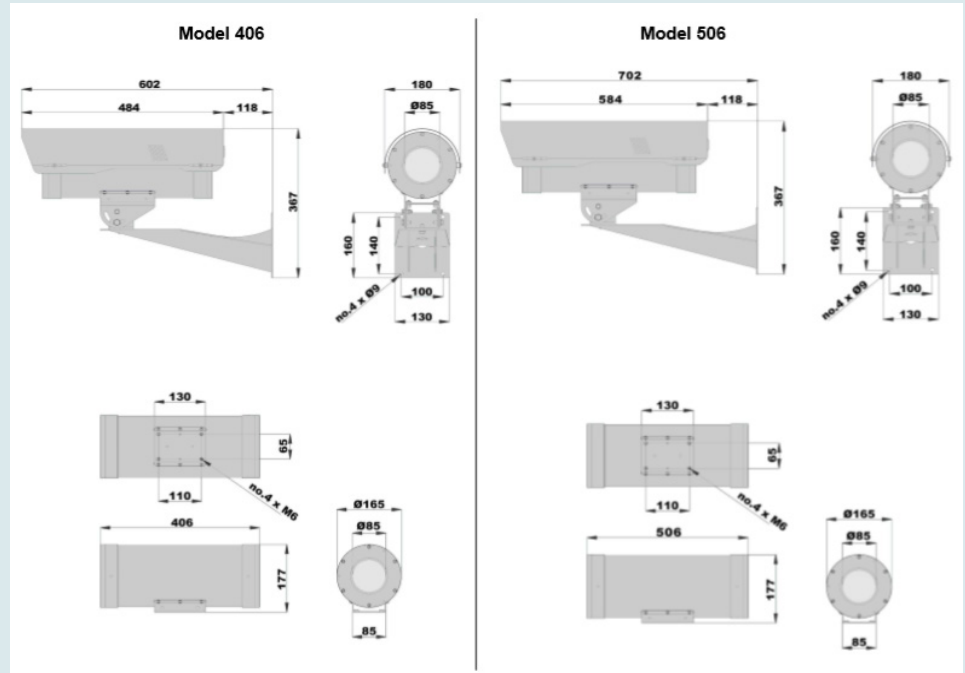
# DEX31

## Explosion proof camera housing

### Technical Specifications

model	unit weight (Kg.)	package dimensions (cm.) WxHxL	gross weight (Kg.)
DEX31	406 version: 10,5 (tot.) 506 version: 12,0 (tot.)	30,0 x 30,0 x 60,0	406 version: 10,9 (tot.) 506 version: 12,4 (tot.)

### Technical Drawings



The values are in millimeters.

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