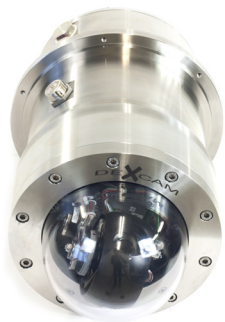# DEXTER

Ex

DEX30

DEX-DTS-15-448-H

Network HD dome camera • Ex • Weatherproof

DEX30

Network HD dome camera • Ex • Weatherproof
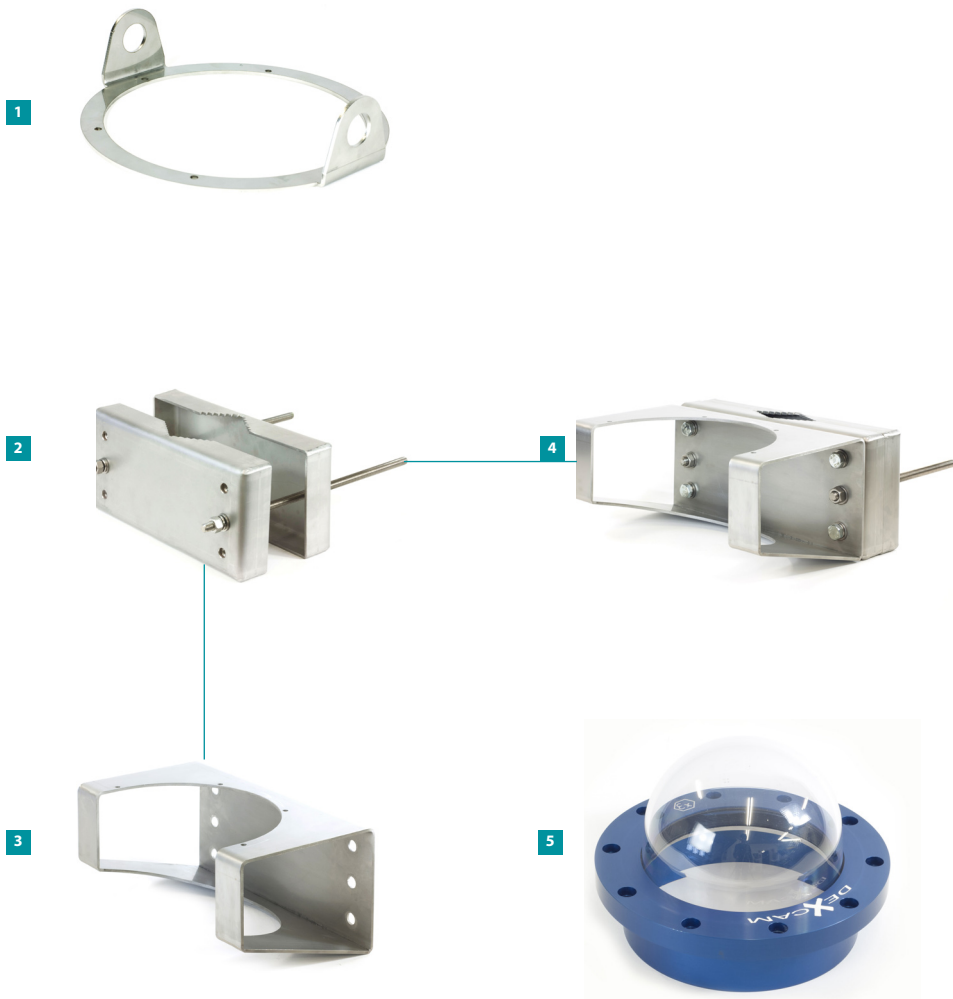

Stainless Steel 316L

Intro

Dexter DEX30 is a top-of-the-line explosion proof PTZ network dome camera, offering a rich viewing experience with HDTV 1080p, 40x optical and 12x digital zoom and fast and precise pan/tilt performance for superb wide area coverage.
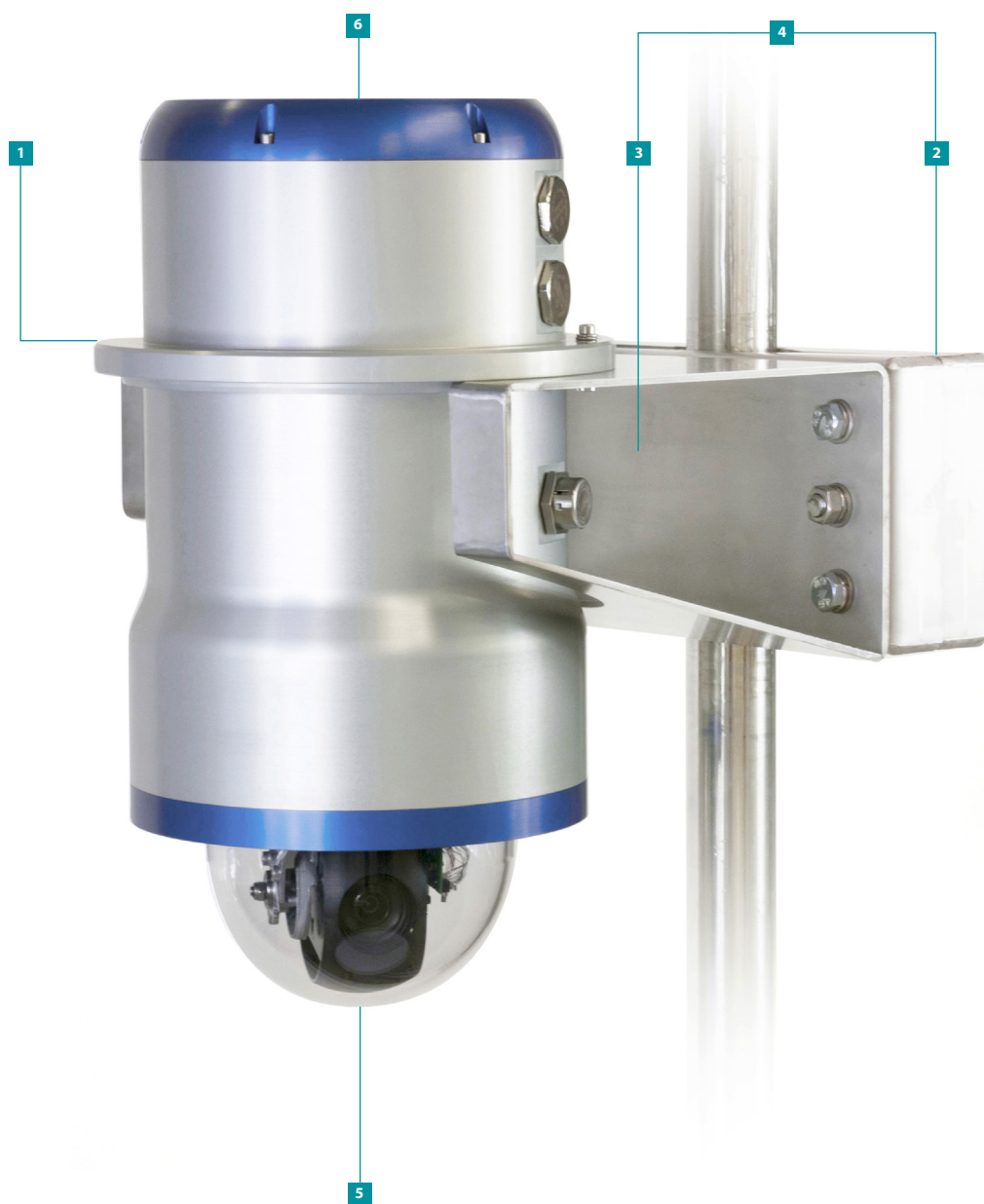
DEX30 comes either in a marine grade alloy or a stainless steel 316L housing, making this range of cameras suitable for both onshore and offshore industry.
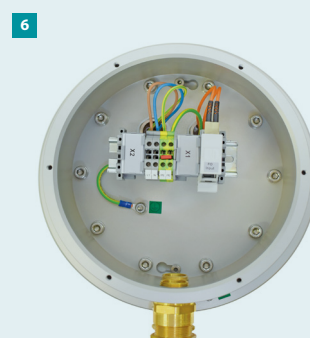
- **Zone 1/21 and Zone 2/22 use**
- **II 2 G Ex db eb T5 or T6 Gb**
- **II 2 D Ex tb IIIC T85°C Db**
- **ATEX and IECEx approved for gas and dust**
- **Temperature range -20 °C to +56 °C**
- **IP66**
- **Exe terminal chamber for easy connection**
- **Available with integrated optical fibre link or IP over coaxial cable**
- **Intelligent humidity and temperature control**

Product overview

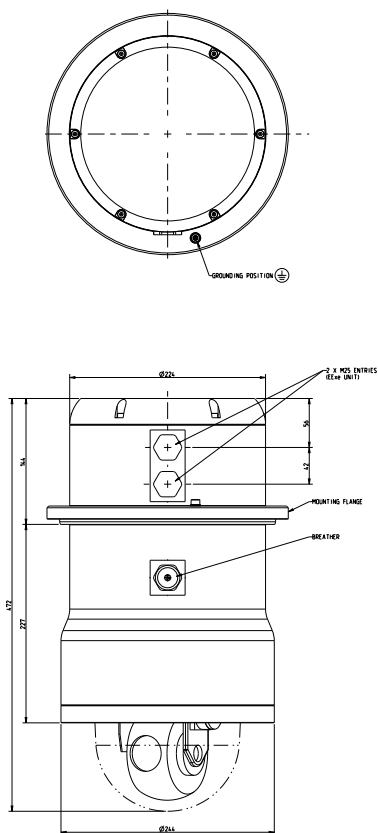| Productcode:	Description:
1. DEX30-LIFT	Fall protection / lifting ring for lifting or securing the camera, stainless steel
2. DEX30-POLE	Pole clamp bracket, stainless steel
3. DEX30-VMB	Vertical mounting bracket for mounting the DEX30 to a vertical surface, stainless steel
4. DEX30-POLE/VMB	Combination of the DEX30-VMB and DEX-POLE for mounting the DEX30 to a pole
5. DEX30-DAA	Dome assembly alloy
DEX30-DSS	Dome assembly stainless steel

- **HDTV 1080p**
- **40x optical zoom and 12x digital zoom**
- **Endless 360° pan and high zoom in combination with high resolution**
- **Shock detection**
- **Enhanced intelligent video**
- **Fast and precise pan/tilt performance**

DEX30

Network HD dome camera • Ex • Weatherproof

Technical Specifications

Camera Specifications

Camera electronics:	Axis Q6075
Image sensor:	Progressive scan CMOS 1/2.8"
Lens:	4.25-170 mm, F1.6-4.95 Horizontal field of view: 65.1°-2.00° (1080p) Vertical field of view: 39.1°-1.18° (1080p) Autofocus, auto-iris
Day and night:	Automatically removable infrared-cut filter
Min illumination/light sensitivity (lux):	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.002 lux at 30 IRE, F1.6
Video compression:	H.264 main and high baseline profiles (MPEG-4 Part 10/AVC) Motion JPEG
Max video resolution (pixels):	1920x1080 (HDTV 1080p) to 320x180
Frames per second (50/60Hz):	Up to 50/60 fps (50/60 Hz) in HDTV 1080p
Pan/tilt/zoom:	Pan: 360° endless, 0.05°–450°/s Tilt: 168°, 0.05°–450°/s Zoom: 40x optical, 12x digital, total 480x zoom

Mechanical

Material:	Anodized Alloy 6082 or Stainless Steel 316L
Weight:	Alloy approx. 25 kg, Stainless Steel approx. 50 kg
Certified temperature:	-20°C to +56°C
Ingress protection:	IP66
Entries:	2 x M25, Ex e

Explosion Proof Certification

ATEX:	II 2 G Ex db eb T5/T6 Gb*
	II 2 D Ex tb IIIC T85°C Db*
	-20°C ≤ Tamb ≤ +46°C/56°C*
IECEx:	Ex db eb T5/T6 Gb*
	Ex tb IIIC T85°C Db*
	-20°C ≤ Tamb ≤ +46°C/56°C*

* Dependent on model and options

Camera options - The DEX30 camera comes in various versions which all are based on the same base unit.

DEX30	-M	-C	-P	-L	-O
	Material:				
	AL = Alloy	**Camera:**	**Power:**	**Link:**	
	SS = Stainless Steel	**A** = Q6075	**24VDC** = 24VDC	**IP** = IP over CAT	**Options:**
			110VAC = 110VAC	**COAX**=IP over coax	**BR** = Breather
			230VAC = 230VAC	**FMM**=Fibre optic MultiMode	**NB*** = No Breather
			PoE++= Power Over Ethernet	**FSM**=Fibre optic Singlemode	* Only T6 certification
				"blank" = PoE++ version	

For example: DEX30-AL-A- 230VAC-FMM-BR

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.