



OceanTools

C3 OceanCAM

Compact tooling cameras

The **C3 OceanCAM** range of ultra-compact subsea tooling cameras offer high quality video in low light level conditions, with low power consumption and depth ratings down to 8000m.



C3-10 with G55 connector



C3-20 with KC6 connector

Overview

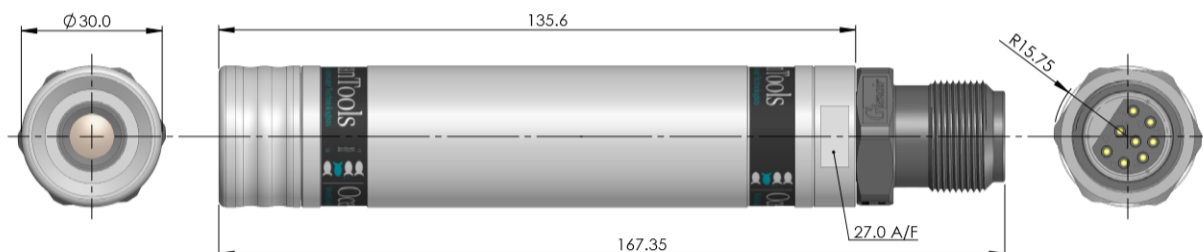
The *cost-effective* **C3 OceanCAM** cameras have been designed to be as rugged and durable as possible, to suit a wide range of underwater applications including as a tooling or manipulator camera. A 2.9mm lens is fitted as standard, with wider angle 2.5mm or 2.1mm lens options available on request. The design incorporates a sapphire glass window.

The **C3-10** offers a 750TVL resolution SD composite video output.

The **C3-20** has a HD-SDI interface for HD video.

Both models are available in 30mm diameter aluminium or titanium housings with standard depth ratings of 4000m and 8000m respectively.

An integral LED light ring is available as an option.

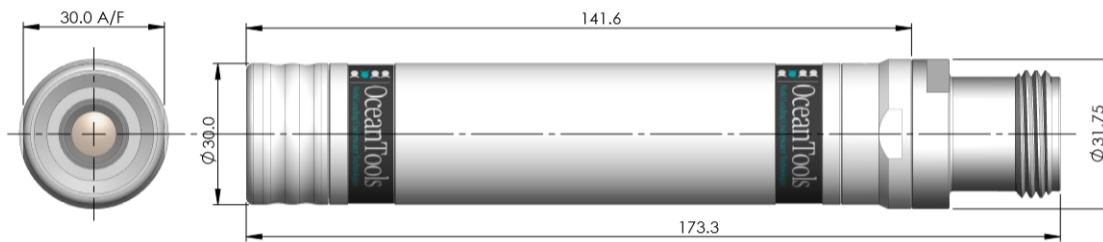




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LED Light Ring

An integral light ring consisting of 14 super bright white LEDs is available as an option.

A ring of LEDs surrounding the camera lens provides illumination of up to 1000 lumens, powered by a maximum additional current of 500mA.

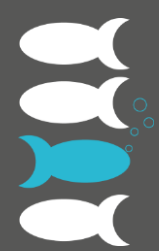
The titanium housing has a 5000m depth rating, with the same dimensions (including 30mm diameter) as the standard model.



C3 with integral LED light ring

Related Products

The **C4 OceanCAM** range of underwater Internet Protocol cameras capture HD video in low light level conditions, with a choice of lens options and depth ratings down to 3000m. Video from multiple units can be streamed over a single Ethernet uplink.



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Specifications

	C3-10	C3-20
Lens type	Fixed	
Focal length	2.9mm standard 2.5mm or 2.1mm on request	
Underwater angle of view	66° (Diagonal) standard 70° or 76° (Diagonal) on request	
Sensor type	1/3" Sony HAD CCD	1/3" Panasonic CMOS
Minimum illumination	0.1 Lux	0.3 Lux
Output resolution	750 TVL	1920 x 1080 (25/30p) 1280 x 720 (25/30/50/60p)
Video output	1V p-p CVBS 75Ω	HD-SDI
S/N ratio	≥ 50dB	≥ 80dB
Input voltage	12–26VDC	
Maximum current	90mA @ 12VDC	150mA @ 12VDC
Depth rating	4000m or 8000m	
Housing material	Aluminium (4000m) or Titanium (8000m)	
Window	5mm Sapphire Glass	
Standard connector	Glenair G55 (others on request)	Glenair KC6 (others on request)
Length (incl connector)	167–174mm (depending on connector)	
Diameter	30mm	
Weight in air	Up to 0.4kg (depending on model)	
Weight in water	Up to 0.3kg (depending on model)	
Operating temperature	-10°C to +50°C	

Product datasheets, GA drawings, case studies and other supporting documents are available to download from data.oceantools.co.uk
All specifications are subject to change without notice. E&OE.

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