



# OceanTools

## C3-10 SD

### Compact Standard Definition subsea camera

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



## Overview

The cost-effective **C3-10** SD colour and monochrome composite video cameras have been designed to be as rugged and durable as possible, to suit a wide range of underwater applications including:

- Main ROV camera
- ROV manipulator and tooling camera
- Rear facing camera
- Diver held camera
- TMS camera

The **C3-10** has a wide input voltage range of 12–26VDC and is offered with various underwater connectors. The **C3** range also includes the **C3-20** which has a digital HD-SDI video output and the **C3-30** which is a full HD MPEG and MJPEG IP streaming camera. The cameras are available in 30mm diameter housings with a standard depth rating of 8000m, or a 6000m-rated wide angle (**WA**) variant with a domed viewport and protective shroud.

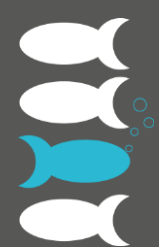
## Key Features

- 800 TVL resolution
- 0.2 Lux low-light sensitivity
- Sapphire viewport
- Titanium housing
- Up to 150° diagonal angle of view (immersed)



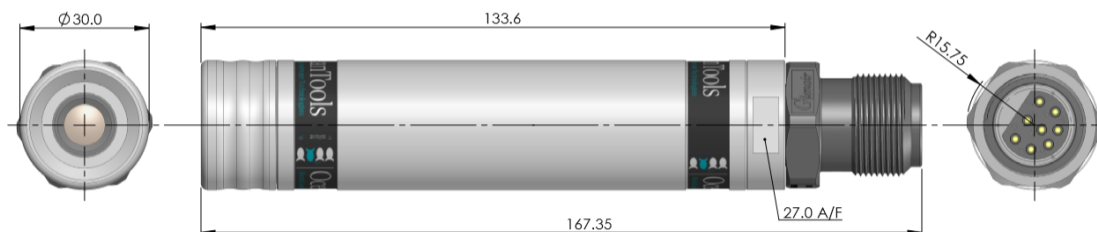
Wide angle (WA) variant





## Specifications

		C3-10-8K (SD)	C3-10-WA-6K (SD)
<b>800TVL Colour and Monochrome Standard Definition Cameras</b>			
Optical	Standard lens	2.97mm	2.45mm
	Depth of field	200mm to infinity	
	FOV in water	93°(D) x 67.6°(H) x 46.7°(V)	150°(D) x 122°(H) x 90°(V)
Video	Sensor type	1/3.2" SONY STARVIS CMOS (Progressive Scan) (WDR)	
	Pixel resolution	1297(H) x 977(V) 800 TVL	
	Min illumination	0.2 Lux @ F2.0	
	Signal to noise ratio	>50dB	
	Video output	Composite (75ohm) 1V pk to pk	
	Video format	Colour (PAL & NTSC) and Monochrome (CCIR, EIA)	
Environmental & Electrical	Operating depth	8000m	6000m
	Operating temperature	-10°C to +50°C	
	Voltage	24VDC (12-26VDC)	
	Typical current	50mA @ 24VDC	
Mechanical	Length incl connector	168mm	176mm
	Length excl connector	134mm	142mm
	Diameter	30mm	49mm max, 30mm body
	Weight	Up to 0.4kg in air, 0.3kg in water	
	Housing material	Titanium Grade 5	
	Viewing port material	Sapphire (scratch resistant)	High Performance BK7 Glass
	Standard connector	Glenair G5507-1508 (alternatives available)	



Product datasheets, GA drawings, case studies and other supporting documents are available to download from [data.oceantools.co.uk](http://data.oceantools.co.uk)

All specifications are subject to change without notice. E&OE.

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