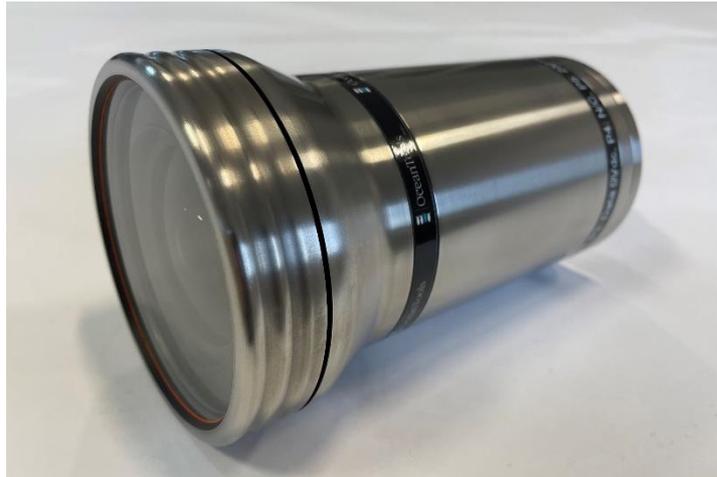


# OceanTools

## C6 Subsea Camera

### High performance colour zoom camera

The **C6** is a beautifully engineered colour zoom camera designed to meet a wide range of subsea applications including the pilot's main camera on ROV systems, military/defence and scientific research.



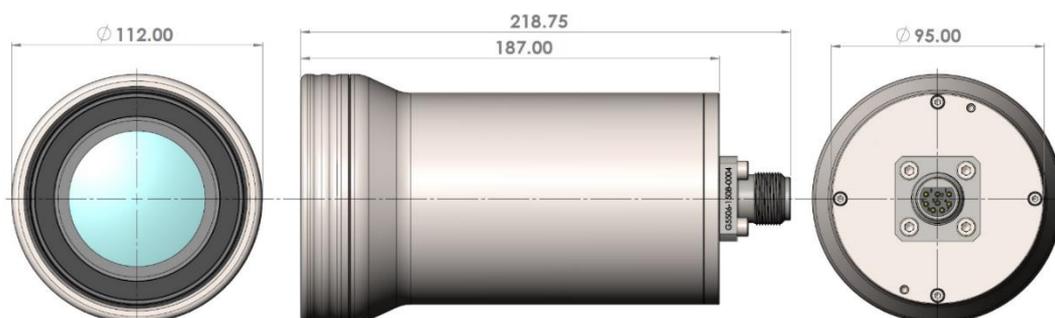
### Overview

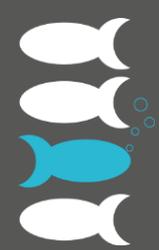
Based on CMOS technology and with a 1/2.8" 2.1MP image sensor, the **C6** produces superb video images at resolutions up to 1080p. The camera features true optical zoom of 30:1, along with a wide dynamic range, auto or manual focus and low distortion wide angle optics.

Boasting a standard depth rating of 6000m and manufactured from titanium with a sapphire viewport the **C6** is a rugged, dependable camera available in three models – the **C6-10** SD, the **C6-20** HD and the **C6-30** combined SD and HD.

### Key Features

- >700TVL PAL/NTSC analogue (**C6-10** and **C6-30**)
- 720/1080p SDI digital (**C6-20** and **C6-30**)
- Up to 30x optical zoom
- Low distortion wide angle optics





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## Specifications

	C6-10	C6-20	C6-30
<b>Lens type</b>	30x Optical Zoom (F=4.7~141mm)		
<b>Underwater angle of view</b>	72° (Diagonal)		
<b>Sensor type</b>	1/2.8" Progressive CMOS CCD		
<b>Effective pixel resolution</b>	1920 (H) x 1080 (V) 2.1MP		
<b>Minimum illumination</b>	0.05 lux		
<b>Analogue video output</b>	>700 TVL PAL/NTSC 1V p-p CVBS 75Ω	-	>700 TVL PAL/NTSC 1V p-p CVBS 75Ω
<b>Digital video output</b>	-	1080p, 1080i, 720p (60/50/30/25 fps) HD-SDI, 3G-SDI (SMPTE 292M, 424M)	
<b>Control interface</b>	Single Wire Bipolar, RS232/RS485 (Pelco P/D, Sony VISCA)		
<b>Input voltage</b>	24VDC (12-30VDC)		
<b>Typical current</b>	170mA @ 24VDC		
<b>Depth rating</b>	6000m		
<b>Materials</b>	Grade 5 Titanium Housing, Sapphire Window		
<b>Standard connector (others on request)</b>	Glenair G5506-1508	Scorpion 455-L-FCR	
<b>Length (excl connector)</b>	187mm		
<b>Diameter (max)</b>	112mm		
<b>Diameter (main body)</b>	95mm		
<b>Weight in air</b>	3.4kg		
<b>Weight in water</b>	1.6kg		
<b>Operating temperature</b>	-10°C to +50°C		

## Related Products

The **C6** is the sister product to the **C5** – a true SIT replacement ultra low light camera.

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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