



# 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.



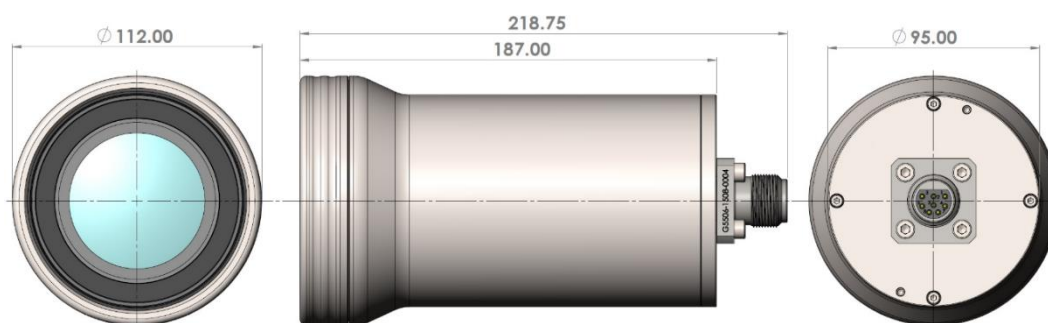
### Overview

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.

The **C6** is a rugged, dependable camera with a standard depth rating of 6000m, manufactured from titanium with a metal shell flange connector and sapphire viewport. Models include the **C6-10** SD, the **C6-20** HD, the **C6-30** combined SD and HD and the latest IP streaming model, the **C6-IP**.

### Key Features

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





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#### Specifications

	C6-10	C6-20	C6-30	C6-IP
<b>Lens type</b>	30x Optical Zoom (F=4.7~141mm)			
<b>FOV in water</b>	Maximum 72° (Diagonal)			
<b>Sensor type</b>	1/2.8" Progressive CMOS CCD			
<b>Pixel resolution</b>	1920 (H) x 1080 (V) 2.1MP			
<b>Min illumination</b>	0.05 lux			
<b>Analogue video</b>	>700 TVL PAL/NTSC 1V p-p CVBS 75Ω	-	>700 TVL PAL/NTSC 1V p-p CVBS 75Ω	-
<b>Digital video</b>	-	1080p, 1080i, 720p (60/50/30/25 fps) HD-SDI, 3G-SDI (SMPTE 292M, 424M)	Up to 1080p (30 fps) H.265, H.264, MJPEG	
<b>Control interface</b>	Single Wire Bipolar, RS232/RS485 (Pelco P/D, Sony VISCA)			10M/100M Ethernet (ONVIF Profile S)
<b>Input voltage</b>	24VDC (12–30VDC)			24VDC (16–32VDC)
<b>Typical current</b>	170mA @ 24VDC			300mA @ 24VDC
<b>Depth rating</b>	6000m			
<b>Materials</b>	Grade 5 Titanium Housing, Sapphire Window			
<b>Standard connector</b>	Glenair G5506-1508	Scorpion 455-L-FCR		Subconn DFCR2008M
<b>Length</b>	187–193mm (excl connector)			
<b>Diameter</b>	112mm max, 95mm body			
<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 **C5** is a true SIT replacement ultra low light camera providing superb high contrast monochrome video even in challenging lighting conditions.

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

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