

C6 Subsea 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.

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

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