The **C7-10** multipurpose SD camera has an integral high intensity controllable light ring to illuminate the underwater environment and provide clear video footage at depths down to 6000m.


Overview

The compact **C7-10** subsea observation camera offers an impressive 800 TVL resolution composite video output with a Wide Dynamic Range providing superb video quality under all lighting conditions.

The integral light ring has 12 LEDs that can provide light output of up to 2,250 lumens. The intensity can be varied by analogue voltage control, power cycling or serial RS485 control.

The design features separate Sapphire windows for the camera and light ring, to eliminate reflected light. The housing is manufactured from Grade 5 Titanium to operate down to 6000 metres.

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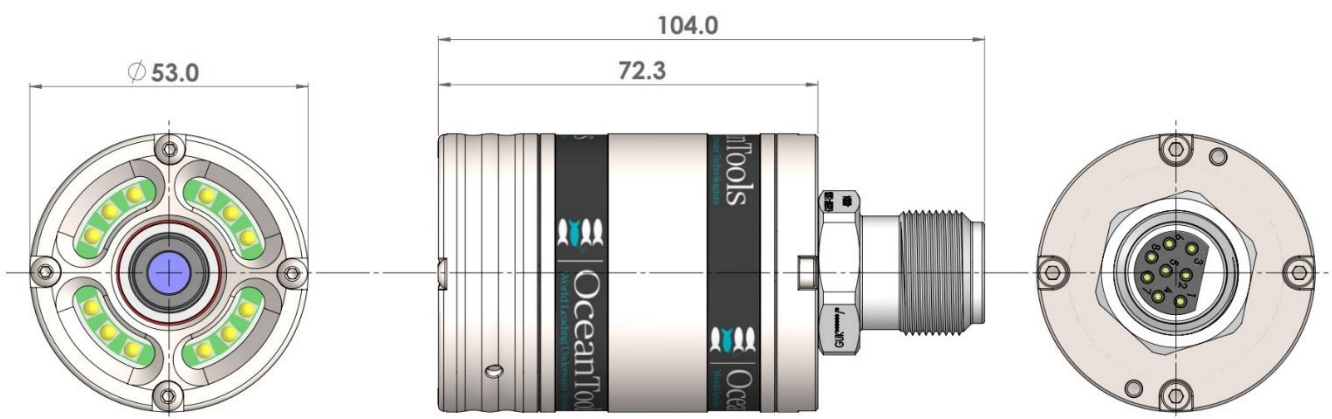
Specifications

		C7-10-6K (SD)
		800TVL Colour SD Light Ring Camera
Optical	**Standard lens**	3.6mm
	Depth of field	300mm to infinity
	FOV in water	73.1°(D) x 60.6°(H) x 47.9°(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
	Dynamic range	138dB
	Video output	Composite (75ohm) 1V pk to pk
	Video format	CCIR, EIA, PAL & NTSC
Light Ring	**Light source**	12 White LEDs
	Light control	RS485, 0–5/10VDC or Power Cycling
	Light output	Up to 2,250 lumens
Environmental & Electrical	**Operating depth**	6000m
	Operating temperature	-10°C to +50°C
	Voltage	12–26VDC
	Current	80mA Light Ring Off, 650mA Light Ring Max
Mechanical	**Length incl connector**	104.0mm
	Length excl connector	72.3mm
	Diameter	53mm
	Weight	0.52kg in air, 0.35kg in water
	Housing material	Titanium Grade 5
	Viewing port material	Sapphire (scratch resistant)
	Standard connector	Glenair G5507-1508 (alternatives available)