

C7-10 SD Subsea Camera



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.

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.

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

	693 x 390 x 386mm
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 source	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)