



OceanTools

C3-10 SD

Compact Standard Definition subsea camera

The **C3** range of ultra-compact subsea cameras offer high quality video in low light level conditions, with low power consumption and depth ratings to 8000m.



Overview

The cost-effective **C3-10** SD cameras have been designed to be as rugged and durable as possible, to suit a wide range of underwater applications including:

- Main ROV camera
- ROV manipulator and tooling camera
- Rear facing camera
- Diver held camera
- TMS camera

The **C3-10** has a wide input voltage range of 12–26VDC and is offered with various underwater connectors. The **C3** range also includes the **C3-20** which has an HD-SDI/3G-SDI video output and the **C3-30** which is a full HD MPEG and MJPEG IP streaming camera. The cameras are available in 30mm diameter housings with standard depth ratings ranging from 500m to 8000m, including 6000m-rated wide angle (**WA**) variants.

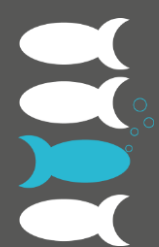
Key Features

- 800 TVL resolution
- 0.2 Lux low-light sensitivity
- Sapphire viewport
- Titanium & acetal housings
- Up to 150° diagonal angle of view (immersed)



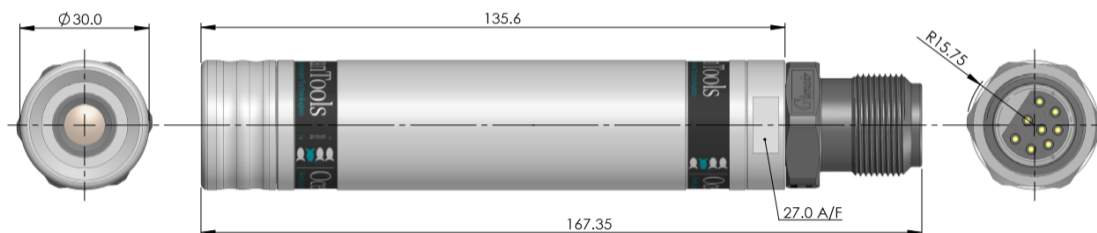
Wide angle (WA) variant





Specifications

| | | C3-10-500m (SD) | C3-10-8K (SD) | C3-10-WA-6K (SD) |
|---|------------------------------|---|------------------|----------------------------|
| 800TVL Standard Definition Cameras | | | | |
| Optical | Standard lens | 2.97mm | | 2.45mm |
| | Focus | Manually adjustable | | |
| | Depth of field | 200mm to infinity | | |
| | FOV in air | 120°(D) x 90.8°(H) x 64.7°(V) | | 150°(D) x 122°(H) x 90°(V) |
| | FOV in water | 93°(D) x 67.6°(H) x 46.7°(V) | | 150°(D) x 122°(H) x 90°(V) |
| | Iris control | Electronic iris | | |
| 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 | | |
| | Signal to noise ratio | >50dB | | |
| | Video output | Composite (75ohm) 1V pk to pk | | |
| | Video format | CCIR, EIA, PAL & NTSC | | |
| Environmental & Electrical | Operating depth | 500m | 8000m | 6000m |
| | Operating temperature | -10°C to +50°C | | |
| | Storage temperature | -20°C to +60°C | | |
| | Voltage | 12VDC ± 10% | 12-26VDC | |
| | Current | 80mA typical | 100mA typical | |
| Mechanical | Length incl connector | 156mm | 168mm | 176mm |
| | Length excl connector | 122mm | 134mm | 142mm |
| | Diameter | 30mm | | 34mm max, 30mm body |
| | Weight in air | 0.3kg | Up to 0.4kg | |
| | Weight in water | 0.25kg | Up to 0.3kg | |
| | Housing material | Acetal | Titanium Grade 5 | |
| | Viewing port material | Sapphire (scratch resistant) | | High Performance BK7 Glass |
| | Standard connector | Glenair G5507-1508 (alternatives available) | | |



Product datasheets, GA drawings, case studies and other supporting documents are available to download from data.oceantools.co.uk

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

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