

# OceanTools

## C3 Subsea Camera

### Compact subsea tooling camera

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



C3-10 with G55 connector



C3-20 with KC6 connector

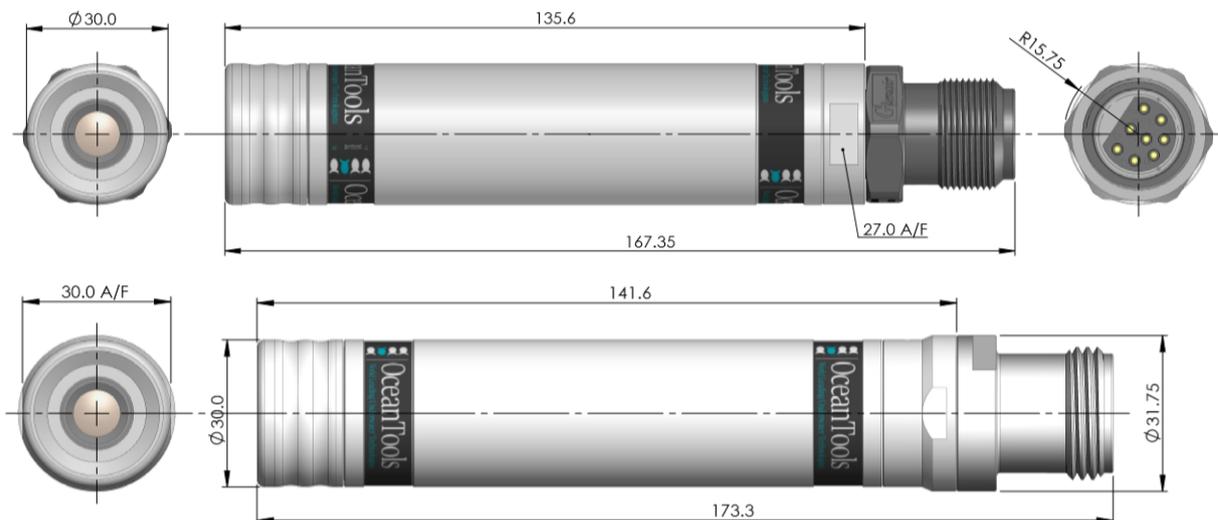
### Overview

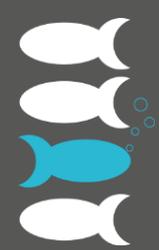
The *cost-effective* **C3** cameras have been designed to be as rugged and durable as possible, to suit a wide range of underwater applications including as a tooling or manipulator camera. A 2.9mm lens is fitted as standard, with wider angle 2.5mm or 2.1mm lens options available on request. The design incorporates a sapphire glass window.

The **C3-10** offers an 800 TVL resolution SD composite video output.

The **C3-20** has an HD-SDI interface for HD video output.

Both models are available in 30mm diameter Delrin or titanium housings with standard depth ratings of 500m and 8000m respectively.





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## Specifications

|                                 | C3-10   | C3-20                                |
|---------------------------------|---|--------------------------------------|
| <b>Lens type</b>                | Fixed   |                                      |
| <b>Focal length</b>             | 2.9mm standard<br>2.5mm or 2.1mm on request                 |                                      |
| <b>Underwater angle of view</b> | 66° (Diagonal) standard<br>70° or 76° (Diagonal) on request |                                      |
| <b>Sensor type</b>              | 1/3.2" 1.3M<br>Sony CMOS                                    | 1/2.8" Progressive Scan<br>Sony CMOS |
| <b>Minimum illumination</b>     | 0.2 Lux   | 0.3 Lux                              |
| <b>Output resolution</b>        | 800 TVL   | 1920 x 1080p @ 50/60 fps             |
| <b>Video output</b>             | 1V p-p CVBS 75Ω   | HD-SDI                               |
| <b>S/N ratio</b>                | ≥ 50dB  | ≥ 80dB                               |
| <b>Input voltage</b>            | 12–26VDC  |                                      |
| <b>Maximum current</b>          | 90mA @ 12VDC  | 150mA @ 12VDC                        |
| <b>Depth rating</b>             | 500m or 8000m   |                                      |
| <b>Housing material</b>         | Delrin (500m) or Titanium (8000m)                           |                                      |
| <b>Window</b>                   | 5mm Sapphire Glass  |                                      |
| <b>Standard connector</b>       | Glenair G55   | Glenair KC6                          |
| <b>Length (incl connector)</b>  | 167–174mm (depending on connector)                          |                                      |
| <b>Diameter</b>                 | 30mm  |                                      |
| <b>Weight in air</b>            | Up to 0.4kg (depending on model)                            |                                      |
| <b>Weight in water</b>          | Up to 0.3kg (depending on model)                            |                                      |
| <b>Operating temperature</b>    | -10°C to +50°C  |                                      |

## Related Products

The **C4** range of underwater Internet Protocol cameras capture HD video in low light level conditions, with a choice of lens options and depth ratings down to 3000m. Video from multiple units can be streamed over a single Ethernet uplink.

Product datasheets, GA drawings, case studies and other supporting documents are available to download from [data.oceantools.co.uk](http://data.oceantools.co.uk)  
All specifications are subject to change without notice. E&OE.

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