



The **OceanCAM-SD** is a high quality, rugged and compact underwater camera with Super HAD CCD technology giving it high light sensitivity combined with superior definition.



Overview

The **OceanCAM-SD** has been designed to serve a wide range of roles underwater including ROV navigation and inspection and anchor chain monitoring. It has both RS485 and RS232 serial interfaces allowing control over:

- Zoom, Focus, Iris, White Balance
- Auto-focus, Auto-iris, Auto-white balance, Image Flip
- Umbilical set-up for length, video gain and HF gain
- Text overlay allowing 11 lines of 20 characters

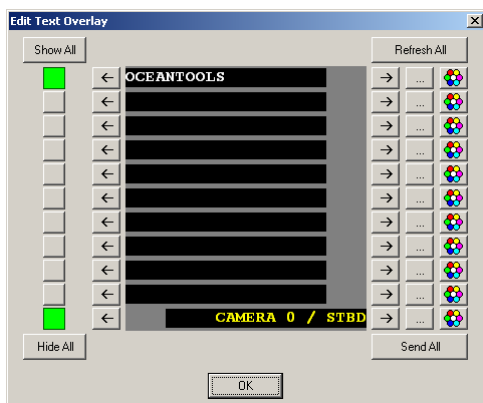
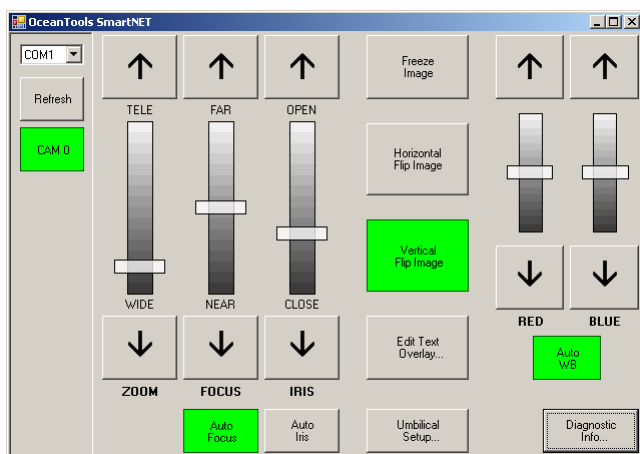
The **OceanCAM-SD** uses the same SmartNET protocol as other OceanTools video-related sensors. This means it can share the same twisted pair as multiple OceanTools **OceanLED** lights and OceanTools **PT330** electric pan & tilt units. The controller electronics automatically detect and select between RS232 and RS485 serial control - whichever is connected is selected.

A simple and intuitive GUI is provided to control all camera functions.

The camera has a sapphire glass view port and a hard anodised aluminium body tube with 3000m standard depth rating. Titanium is available as an option.

Key Features

- 3000m standard depth rating
- Sapphire glass view port
- Simple and intuitive GUI
- On-screen text overlay
- Long-line driver including HF lift



Specifications	
Length (excl connector)	188mm
Diameter	125mm
Material	Hard anodised aluminium
Weight in air	1.5kg
Weight in water	0.15kg
Depth rating	3000m
Operating temperature	-5°C to +50°C
Input voltage	9–36VDC
Maximum current	475mA @ 9VDC
Sensor type	1/4" EX-view HAD CCD
Minimum illumination	0.7 Lux
Resolution	625 TVL PAL 50Hz 525 TVL NTSC 60Hz
Output	1V p-p 75 ohm
S/N ratio	≥ 50dB
Zoom	18x (optical) 12x (digital)
Focus	0mm–infinity (wide) 800mm–infinity (tele)
Diagonal view angle	60° (in air) 41° (in water)
View port	Sapphire glass
Control interface	RS232 or RS485