

OceanTools

DAVE

Depth Activated Video Equipment

The OceanTools **DAVE** system combines several high quality OceanTools video and support products in a single integrated package, with a 6000 metre depth rating.



Overview

The Depth Activated Video Equipment (DAVE) integrates the following products:

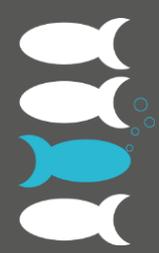
- **C4-10** Subsea HD IP Camera
- **L5** Professional subsea LED light
- **OceanCELL-12** Rechargeable subsea battery pack
- **SmartSWITCH** Programmable subsea switch

The concept is simple: you program the **SmartSWITCH** to turn on power to the camera and light(s) at a specific depth and tell it to turn power off when a second depth is reached. This extends battery life considerably in deepwater operations including scientific research, mineral mining and oil & gas exploration.

At the heart of the system is our best-selling **C4-10** HD IP camera with internal video recording. Depending on the framerate and SD card fitted, up to a week of HD video can be recorded by the camera. Video may be retrieved from the camera without having to open it.

In addition to the camera, the package may contain one or two **L5** Professional subsea LED lights and **OceanCELL** rechargeable battery packs. If a single **L5** light is used - generating around 5000 Lumens - then the overall system current drain is around 1.5A, with an operational duration of around 8 hours. If a second **OceanCELL** is connected in parallel the duration increases to around 16 hours.

If two **L5** lights are used with a single **OceanCELL** then the operational duration will be somewhere around 5 hours. And if two **L5** lights are used with two **OceanCELL** packs connected in parallel the duration will be up to 10 hours.



Specifications

Typical DAVE Package	
Camera	
Camera model	C4-10 HD IP Camera
Diagonal field of view	105°
Maximum resolution	2688 x 1520 (4MP)
Minimum illumination	0.008 Lux/F1.2
Recording capacity	Up to 1 week
Lights	
Light model	L5 Flood LED Lamp
Beam angle	110°
Installed quantity	1 or 2
Battery Packs	
Battery model	OceanCELL-12
Nominal capacity	12.6Ah
Installed quantity	1 or 2
Switching	
Pressure switch resolution	0.1 bar
Operating duration *	Up to 10 hours
Depth rating	6000m
Support Frame	
Frame materials	Delrin and Stainless Steel
Dimensions (W x H x D)	590mm x 562mm x 769mm
Net frame weight in air	31.3kg
Net frame weight in water	27.2kg
Fully laden weight in air *	55kg
Fully laden weight in water *	39kg
* 1 Camera, 2 Lights, 2 Battery Packs, Switch and Frame	

