The OceanTools **Hydra** is a digital video control system that supports up to eight analogue or High Definition IP cameras, with the option to control pan & tilt units and subsea lights.
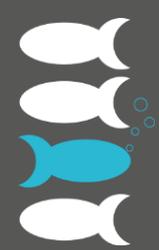

Overview

The OceanTools **Hydra** is a Pelicase housed multi-camera digital video control system. The versatile **Hydra Hybrid** has four composite video inputs for analogue cameras including **OceanCAM-CC** compact cameras, with support for additional **OceanCAM-IP** high definition IP cameras via an Ethernet LAN connection.

Live video from up to eight camera inputs is displayed on the built-in HD display. Additionally, the unit can simultaneously digitally record video footage from all connected cameras, with a range of playback and export options.

The **Hydra IP** control system supports up to eight **OceanCAM-IP** cameras, either directly connected to the control unit and powered using PoE (Power over Ethernet) or via a shared LAN connection.

Adding a **HyPod** subsea control pod allows up to four **OceanCAM-IP** cameras (eight with **HyPod+**) to be operated remotely over a single STP or coax umbilical up to 1000m in length.

A **HyPod+** extended subsea control pod can also distribute power and data to a remote network of up to eight **PT330** pan & tilt units and up to eight pairs of **OceanLED** subsea lights. External controls connected to the **Hydra IP** unit can then control the subsea devices.

Specifications

	Hydra Hybrid	Hydra IP
Composite video inputs	4 (BNC)	-
IP camera inputs	-	8 (PoE)
IP cameras via LAN	Up to 8	Up to 8
IP cameras via HyPod	-	Optional *
Display size (diagonal)	15"	21.5"
Display resolution	1920 x 1080	1920 x 1080
Composite video outputs	1 (BNC)	-
Digital video outputs	1 (HDMI)	1 (HDMI)
Storage capacity	1TB to 6TB	1TB to 6TB
Pan & tilt / light control	-	Optional *
AC power input	110-240VDC	110-240VDC
DC power input	Optional	-
Dimensions (mm)	524 x 428 x 206	625 x 500 x 218
Weight	11kg	15kg
* Requires HyPod or HyPod+ subsea control pod		

Related products

Both **Hydra** variants support the full range of **OceanCAM-IP** subsea high definition IP cameras. The range comprises compact cameras with a choice of fixed lenses, **OceanCAM-IP/Z** zoom cameras fitted with a 2.8–12mm zoom lens and **OceanCAM-IP/F** fisheye cameras with a hemispherical window offering a near 180° field of view.