OceanTools
SDO and HDO
Video overlays

Available in both SD and HD versions, the industry standard **OceanTools** multiple channel **Video Overlay** is the overlay of choice for many ROV and survey companies with hundreds of units delivered globally.

Overview

The **OceanTools Video Overlay** is a very versatile Windows based system that can superimpose a wide range of data from multiple sources onto 1 to 4 video inputs (depending on the model). The Overlay layout is highly configurable and allows variable sized fonts and colours to be used.

Depending on the model, the unit is contained in a single 2U or 3U 19” rack-mount enclosure.

The uncluttered design ensures that all video and data inputs and outputs are taken to the rear panel with the only connectors on the front being those of the mouse, keyboard and USB ports.

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HD capabilities

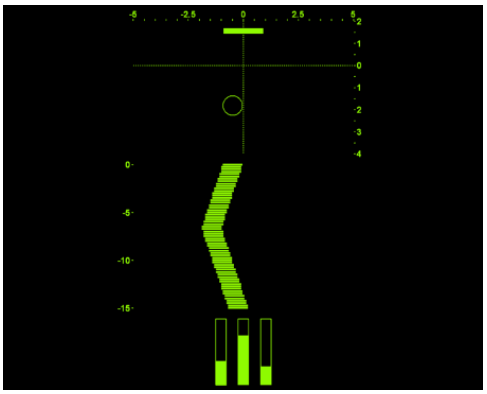
The **OceanTools HDO** is a High Definition (HD) Digital Video Overlay and Video Scaler unit designed to support the latest generation of subsea video cameras as well as supporting older composite cameras.

Producing very high definition vibrant and stable images, this powerful unit supports inputs from a range of camera types including High Definition Serial Data Interface (HD-SDI), SDI and composite PAL and NTSC.

As a video scaler unit, the HDO can convert from
- Composite to SD-SDI
- SD-SDI to Composite

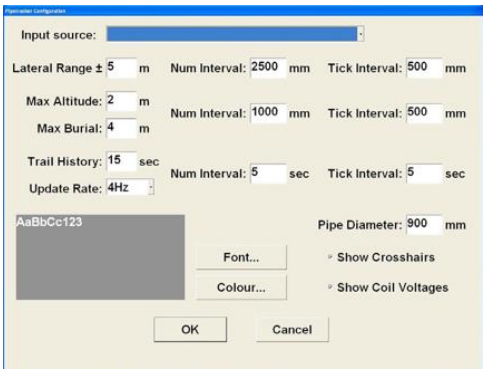
Pipetracker compatibility

The Overlay is available with a Pipetracker interface which allows for a 'heads-up' display of pertinent Pipetracker information including depth of burial, altitude, lateral offset, historical data and search coil voltage.



Overlaid information

- ROV and AUV altitude measurement
- Time and date
- Your choice of logos
- Serial data shown as text or graphically
- Text boxes, data scales and dials
- 12 user-definable page layouts
- Analogue, CP and Pipetracker inputs



Key Features

- Available with 1 to 4 video channels
- Auto-detects video input
- Three (SDO) or four (HDO) serial inputs as standard
- Optional four channel analogue & CP input
- Optional Pipetracker interface
- Graphical representation of serial data
- Supports HD-SDI, SDI & Composite inputs (HDO only)
- Video cross-scaling (HDO only)

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Specifications

		SDO	HDO
Composite	**Supported standards**	PAL, PAL-M, PAL-N NTSC 3.58, NTSC 4.43	PAL, PAL-M, PAL-N NTSC 3.58, NTSC 4.43
	Connector type	BNC	BNC
	Auto-detection	Auto-detects video input type	Auto-detects video input type
	Optional	-	YC
SDI or HD-SDI	**Supported resolution**	-	525i 59.94Hz 625i 50.00Hz 1080i 50.00/59.94Hz 1080p 25/29.97Hz
	Connector type	-	BNC
DVI-D	**Output resolutions**	-	Automatically matching SDI input resolution
General	**Number of video inputs**	1 to 4 channels	1 to 4 channels
	SDI video supported	-	SDI, HD-SDI
	Composite	PAL, NTSC	PAL, NTSC
	19" rack mount enclosure height	2U	2U (1-2 channels) 3U (3-4 channels)
	Serial data inputs	3 x RS232	4 x RS232
	Serial input connectors	9 way D type male	9 way D type male
	Pipetracker interface (optional)	Supports various	Supports various
	Analogue input (optional)	4 channels at 12 bit resolution	4 channels at 12 bit resolution
	CP input (optional)	Fully isolated	Fully isolated
	User definable pages	12	12
	Voltage input	110–220VAC 50/60Hz	110–220VAC 50/60Hz

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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