OCEANTOOLS

Innovative Products & Solutions for use in some of the world's harshest environments

OceanTools HDO
High Definition Digital Video Overlay & Video Scaler

The new OceanTools HDO is an 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 & NTSC. Another feature of the HDO is it's ability to act as a video scaler bidirectionally converting between a number of video formats.

The HDO is a Windows based system that can superimpose a wide range of data from multiple sources onto 1 or 2 video inputs (depending on the model). Overlaid information may include:

Time & date and various logos and graphics
Serial data shown as text or graphically
12 user-definable pages of Text boxes, Data-scales and Data-dials and sketch tools
Analogue, CP and Pipetracker inputs

Video scaling is an integral function of the DiVO and can convert from
Composite to SD-SDI and SDI
SDI to SD-SDI Composite and YC
HD-SDI to SDI and DVI at HD resolution

The HDO is highly configurable and allows variable sized fonts and colours to be used. The unit is contained in a single 2U 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.

KEY FEATURES

Available with 1 or two video channels

Supports HD-SDI, SDI & Composite inputs

Video up, down & cross scaling

Auto-detects video input

Four serial inputs as standard

Optional four channel analogue & CP input

Optional Pipetracker interface

THE BRITISH ASSESSMENT BUREAU
ISO**9001**

UKAS MANAGEMENT SYSTEMS
4307

OCEANTOOLS

Innovative Products & Solutions for use in some of the world's harshest environments

SPECIFICATIONS

Number of Video input channels	1 or 2 channels
Video supported	SDI, HD-SDI, Composite PAL & NTSC, SECAM

SDI/HD-SDI inputs & outputs

Supported resolutions	525i, 625i, 1080i, 1080p
Input connector type	BNC
Output connector type	BNC

Composite and YC inputs & outputs

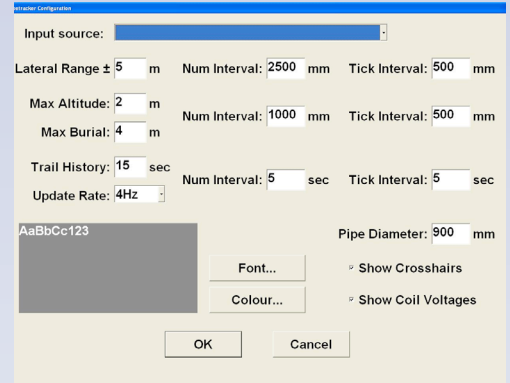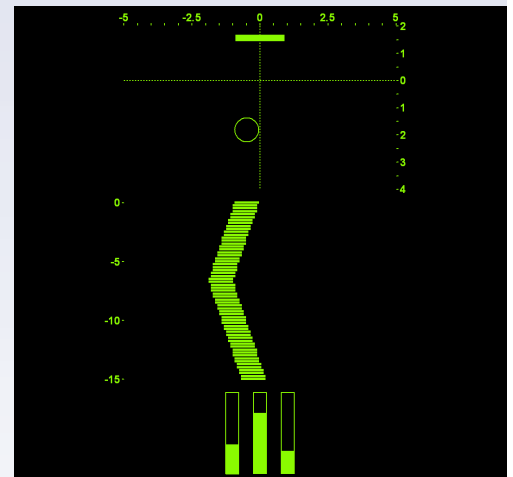|	
Video encoding / decoding	8 Bit
Standards supported	PAL, PAL-M, PAL-N, SECAM NTSC 3.58, NTSC 4.43
Input connector type	BNC
Output connector type	BNC
Auto-detection	Auto-detects video input type

DVI-D output specification

Output resolutions   Any from 640x480 to 1920x1200 @ 60Hz
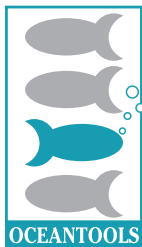(Note - DVI-D output only used with HD-SDI input)

General

Enclosure	19" rack mount, 2U
Serial data inputs	4 x RS232
Serial input connectors	9 way D type male
Optional Pipetracker interface	Supports various
Optional Analogue input	4 channels at 12 bit resolution
Optional CP input	Fully isolated
User definable pages	12
Voltage input	110 - 220VAC 50/60Hz
RoHS compliant	Yes
EMC tested	Tested to EN55022

Easy to configure Windows interface

Pipetracker interface

OceanTools Ltd
OceanTools House
Claymore Drive
Aberdeen AB23 8GD. UK.

Tel   + 44 1224 709606
Fax   + 44 1224 709616
Email sales@oceantools.eu
Web   www. oceantools.eu

Represented by: