

# 3D STEREOSCOPIC VISION SYSTEM (3DS1)

3DS1 is SLD's new technology that provides instant 3D vision that could be used by ROV, AUV or a diver. The device is designed for deep water inspection and it is an all-in-one 2D/ 3D camera system. The 3DS1 system gives the operator the capability of retrieving depth from the real-time video images in a 3D TV mode.

The 3DS1 is a compact 3D stereographic system, with a near HD resolution; it gives subsea operators an unprecedented real time view of the ocean and provides a more realistic view. The 3DS1 provides real time 3D vision that can be used for ROV, AUV or diver operations. The device is designed for deep water inspection and it is an all-in-one 2D/ 3D camera system. The 3DS1 system provides the operator with real-time video images in a 3D TV mode which offers the capability of enhanced depth perception in maneuvering or manipulating subsea objects. This improved capability will enable ROV operations to be done with higher precision, minimize the time and costs required, and enhance the safe practice of such operation.

## FEATURES

- 3D waterproof housing is rated 180'/60m deep
- Record 3D and 2D video and photo files simultaneously
- 3D Video capture
- PAL composite video format

## WHAT'S INCLUDED

- 3D Waterproof Housing
- 3D camera, lens holder, cable and internal storage
- High power internal LED light that is most suitable for subsea environment
- External connector (five pin mini Burton) for power supply and communications
- Subsea cable
- Assorted Mounting Hardware
- FREE easy-to-use 3D editing software



## Technical Specifications

<b>Optical Sensor Type</b>	MOS
<b>Optical Sensor Size</b>	1/ 4.1"
<b>Video output</b>	Three line video signals, PAL
<b>User controls</b>	3D mode selection between 2D, field-sequential 3D and dual-channel 3D
<b>Connector</b>	1 x 5pin burton connector
<b>Compatibility</b>	Compatible with ROV systems video cabling. 2D mode (1,920 x 1,080) full HD resolution, 3D mode (1,080 x 940 pixels)
<b>Storage</b>	128 GB internal hard storage
<b>Power</b>	9W per hours
<b>Dimensions</b>	150mm (D) x 350mm (L) without underwater connector Length 162mm (with underwater connector)
<b>Weight</b>	12kg
<b>Depth Rating</b>	3000m
<b>Operating Temperature</b>	-5°c to +50°c
<b>Minimum Illumination</b>	1 Lux
<b>S/N Ratio</b>	>50 dB
<b>Enclosure</b>	Anodized aluminum pods
<b>Frame Capture</b>	25 frames per second