DIGITAL EDGE SUBSEA

Digital Video Inspection Systems

EdgeDVR

The EdgeDVR is a complete solution for digital video inspections. Developed to be used by personnel with all levels of experience when completing visual inspections on subsea structures which require real time event logging.

The EdgeDVR is a one stop DVR inspection unit which includes:-
- Inbuilt user configurable digital overlay
- Automatic generation of Dive, Video, Photo and Anomaly Logs
- Unique inspection data storage method for easy browsing
- Inspection data browser for easy review of data
- Inbuilt backup of data to a separate hard drive
- Option to backup data live to a network location

The EdgeDVR has a unique way of storing the inspection data by location, structure or substructure into predefined folders, these folders are automatically created within the software. The benefit is any user or client can easily browse to find all recorded data.

The EdgeDVR is a 4U 19in rack mounted unit with up to 3TB of storage. The unit has three removable hard drives which are for survey video, anomaly clip video, excel based logs and photo data. The fourth hard drive is used for the internal operation of the EdgeDVR.

The EdgeDVR has inbuilt automatic data backup using a proprietary data file management concept. A copy of all the data gathered from inspections is held on two of the 1Tb removable hard drives. The third removable hard drive can be used for triple redundancy or easy data transfer to an alternative location.

4U Rack Mounted Inspection System

Four switchable camera composite video inputs

Automatically generates event, dive, video stills and anomaly logs in Excel format

Customizable fields to add extra data into logs

Inspection Editor to view and delete inspection data and monitor inspection progress

Offsite workpack generation and import workpack to EdgeDVR

Hot key to instantly switch overlay on / off

Add text to the overlay live

Seamless user configurable digital video header

Four serial inputs for displaying data via overlay i.e. GPS, Aux compass
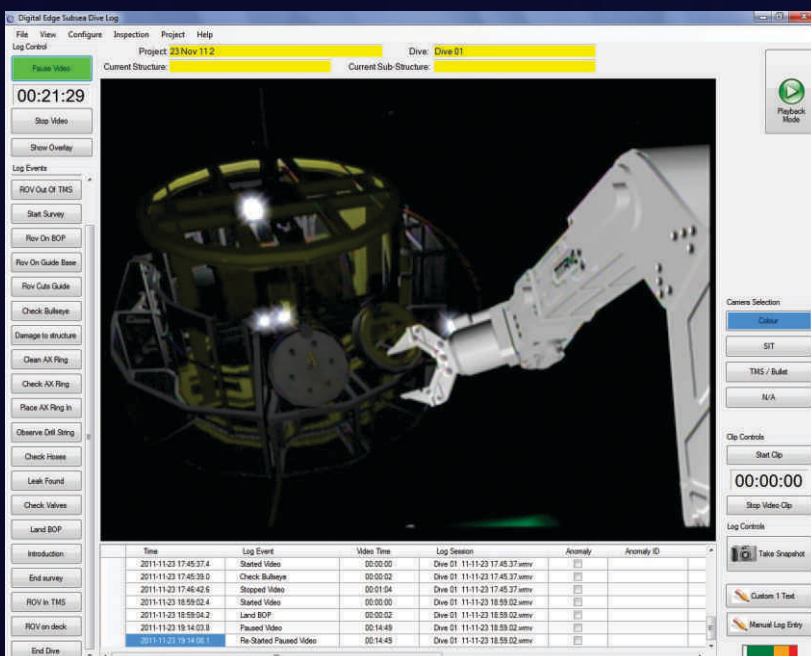
Automatic backup of data

Video stills which are automatically added to the photo log

Video clip of specific anomalous areas (while main video is still running)

Add manual text to the event log

18 configurable survey hot keys

Sequential dive numbering

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4U Rack Mounted Inspection System

Front panel of the EdgeDVR...
Protected by a hinged lockable lid

3 removable hard drive slots with two 1TB hard drives

Two USB ports

DVD writer

Two cooling fans

Power indicators

Rear Panel of the EdgeDVR...

Four composite 75ohm BNC connectors

Four 9 pin serial inputs

DVI, HDMI and VGA monitor outputs

Four USB 2.0 ports

Two USB 3.0 ports

Gigabit LAN

Keyboard and mouse inputs

Audio analogue output

Audio digital outputs

Audio Input

Two cooling fans

The client deliverable project file contains our own client viewer, this allows the client to view the logs, photos and videos on any computer.

The logs can be filtered to show, videos, photos and anomalies. The viewer is free and is available on all systems.