



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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Key components of the EdgeDVR...

Microsoft Windows 7 Professional 64bit Edition
Microsoft Office 2010 Word and Excel
60GB internal solid state hard drive (SSD)
2 x 1TB Removable Hard Drives with 1 spare slot for extra
20x DVD±RW Dual Layer & Ram
750Watt Corsair PSU
Intel Core i7 950 3.06GHz Socket 1366 8MB Cache processor
6GB DDR3 1600MHz Memory
Wired and optional wireless mouse and keyboard
4 Channel Video Capture Card
Video Connections 4 composite
Connector Type BNC
Video NTSC or PAL
Video Capture up to 640x480 at 30fps (NTSC) per channel
Video Capture up to 704x576 at 25fps (PAL) per channel

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

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