



Novasub Surface control case with 2 or 4 Channel camera and light control and integrated DVR recorder, including a built in 15.6" colour daylight monitor.

The Surface Control Case (SCC) is a rugged case with the built in NSDVR2 hard disk recorder. The system can control 2 or 4 video cameras with four or eight lights. The system can be supplied with up to 600 m of reinforced underwater cable. The video is displayed on a 15.6" daylight monitor. The cameras are recorded on a hard disk at standard D1 720x576 or 960H / WD1 960x576.

The SCC has a built in video signal receiver that converts video signal over twisted pair or coax to a composite video signal. The video receiver is auto-tunable for the connected cable length. The SCC also is standard fitted with LED controller for the Novasub LUX LED lights. The light is dimmable from 0-100%. Standard the SCC is fitted with a text video overlay per channel. The SCC has 4x audio input for recording any audio input. The system is 100-240 Vac powered and has a built in UPS function with batteries and battery charger.

The DVR2 is controlled with the membrane keypad and keyboard. The DVR2 is also fitted with a snapshot function which makes it possible to take pictures of the video stream. The video files can be copied from the internal SSD hard disk and external USB storage device. With a LAN connections you have the possibility to stream the video images over the network and internet.

Video format

The DVR2 can record either in the standard D1 format or the new 960H wide format. The 960H format is in PAL 960x576 pixels, compared to the D1 720x576 and increase of 35%. To really achieve the actual 960H resolution, use the latest Novasub NSBC cameras which actually have the 960x576 pixels resolution.

Text & Data overlay

The video text overlay are 4 lines of 36 characters each. One line is dedicated for use of the date/time with data. 2nd overlay is the name of the channel plus free text, and the remaining two overlay lines are free text. All overlay lines can be placed anywhere on the window. Also a snapshot can be made and is stored as a JPG on the hard disk. Optional diver data like depth and dive time can be added to the overlay. (see Novasub DDG Digital Diver Gauge and UDS-3 depth sensor)

Features

- 960H resolution
- Daylight Monitor
- Splashproof
- Text & Data overlay
- Network connection

Options

- 2 or 4 channel viewing and recording
- DDG diver data overlay



The SCC-2(4)VL-DVR can record all channels at the same time, each to an independent file. The monitor view is selectable between, 1 channel, 2 channels PAP (Picture & Picture) or 2 channels PIP (Picture in Picture) and Quad, 4 channels. The smaller PIP window can be placed anywhere over the main window. Also the PIP size is selectable between ¼ or 1/9 size of the monitor.

Related Products:

- NSBCB camera
- LUXR 3&6 Lights
- DDG
- DP diver gas panels
- DLR-3&4 cables
- NSCR cable reels
- DUR01 Umbilical
- SCC1,2 & 3 DR diver radio

Distributed by:

Specifications

Ext. Power supply	: 100-260 VAC, 50/60 Hz
Light control	: 100% dimmable per diver, max 30 watts, 12-30 vdc
Video out	: 4x 1Vpp/75 Ohm, 1x HDMI, 1x 1Vpp/75 Ohm Spot
DVR	: Solid State HD recording, H264,avi 720x576 pixels@25 fps & 944x576 pixels@ 20 fps per channel
Video control	: Video transmission over twisted pair or coax, auto-tune to 600 m, 32 vdc (12,15,24 vdc optional)
DVR control	: Panel keypad control & Mouse
Audio In	: signal of 1Vpp
Dimensions	: 488x392x239mm – 19,21x15,43x9,40 Inch

Battery life	: 0.5 hours ->4x light & Video and DVR recording
Int. Power supply	: 24 vdc rechargeable battery with battery status indication, UPS function
Network	: Connection to network, DVR accessible via Browser
Video file	: Retrievable with USB memory stick (*.avi) or connection to PC via LAN
Monitor	: 15,6" Wide Daylight Monitor, 1000 candela
Recording time	: 50 hrs@ 960H best per channel 1,2 Gb / hr. (250 Gb SSD-HD)
Keyboard	: Splashproof keyboard
Weight	: 17,5 Kg

Connections

Audio in	: 2(4)x RCA (Cinch)
Extra monitor	: HDMI
Mouse	: USB-A
Cable connection	: 2(4)x Multi pin circular connector
Flash drive	: USB-A
Novabus	: rs485

Power in	: IEC C14 mates with C13
Network	: LAN RJ45
Video out	: 2(4)x BNC (direct from cameras) 1x BNC (Spot, channel selectable)
Comms	: 2x2 Banana socket per channel

The DVR keypad has the following function:

Channel selection 1,2,3 & 4	: Channel selection for overlay, camera, light and snapshot control
Rec per channel	: Start/stop recording
SNAP	: Snapshot picture of video image (same resolutions a video)
View	: Selection of view, full, PIP, PAP and Quad
ESC	: Escape in DVR menu

CAM	: ON/OFF camera
Light (+,-)	: ON/OFF. dimming
Arrows, OK	: Menu control DVR
Menu	: Access to menu
Play, STOP	: Access playback of rec. files

Optional

- Diver depth to overlay ; direct connection of UDS-3 depth sensor data to video overlay
- DDG diver data to overlay ; DDG depth and dive time data to video overlay
- Diver comms pass-through from cable/umbilical to Diver radio.
- Thickness Gauge to overlay ; Tritex or Cygnus Thickness data to video overlay
- Analog value to overlay ; any 0-10v or 4-20 ma signal data to video overlay
- Remote control software ; Novasub DVR software to remote control and view the SCC-2(4)VL-DVR
- 2 or 4 channel viewing and recording
- Llyn Video enhancement integrated

