

SCC-2DRVL-DSP-DVR3-G4.2 2 Diver Communication, Video recorder, Camera & Light control

TRITON-C1 | Portable case with two diver radio, integrated camera & light control, DVR3 and a 12.1" Touchscreen Daylight monitor.

The TRITON-C1 is a top of the line surface control case that combines both a diver radio and video recorder into one highly portable unit. The system is integrated into a rugged, fully waterproof case with high grade connectors on the outside. The video recorder runs on the proprietary DVR3 software from NOVASUB. The system has integrated camera and light control. Both channels can be displayed on the 12.1" daylight screen. The systems also utilizes the xDR diver radio system from NOVASUB. This radio is fully adjustable to your needs. The case has a built-in battery that is charged when you are connected to an external



TRITON-C1 is configured with :

NOVASUB DVR3: The 3rd generation video recording software developed by Seascope Subsea. The software is completely redesigned from the ground up to accommodate better ease of use, new features and a better image quality.

NOVASUB xDR-DSP: An advanced self-contained digital diver intercom that supports communication between a tender and multiple divers. This cutting-edge intercom offers a high degree of customization and adjustment.

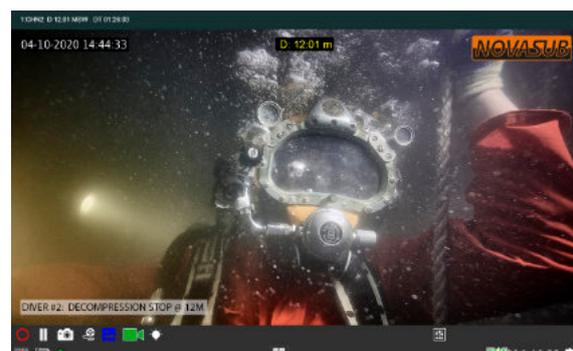
TRITON-C1 comes standard with a headset and wireless keyboard.

Features:

- Video & Radio in one
- Rugged, compact & portable
- 12.1" Touch- & daylight screen
- Wireless headsets possible

Applications:

- Commercial Diving



website link : <https://www.novasub.com/product/triton-c1-portable-diver-radio-and-video-recorder/>

product video : <https://www.youtube.com/channel/UCRqqqmJy8O7XEabp7S1rpQ>

TRITON-C1 Available options:



Wireless Ready

Equip the system with a Bluetooth print and antennas to be able to connect wireless headsets to the radio. This upgrade can be done post-production.



Bluetooth™



Extra Wireless Connections

This option increases the available wireless connections from 2 to 4. The system will then be equipped with 4 antennas and buttons.



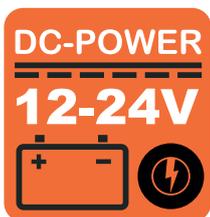
Depth Display

The system can be expanded with depth displaying capabilities. This option will integrate a depth reading PCB (Printed Circuit Board) into the system and requires the UDS-3-x depth sensor.



Client Specific Umbilical Connectors

The system can be equipped with the umbilical connectors that you need. This makes combining our system with your current equipment more convenient.



DC Power

The system can be expanded with a DC power inlet. This inlet uses a high-grade connector that accepts 12-24 Vdc. The product will have a 2 meter charging cable with either an open-end or a client-specific connector included.



Extended Power

The battery of the system can be replaced with a bigger battery. This battery has 5x the capacity of the original battery which enables you to work much longer without needing external power. This option also adds 1.5kg to the total weight of the system.

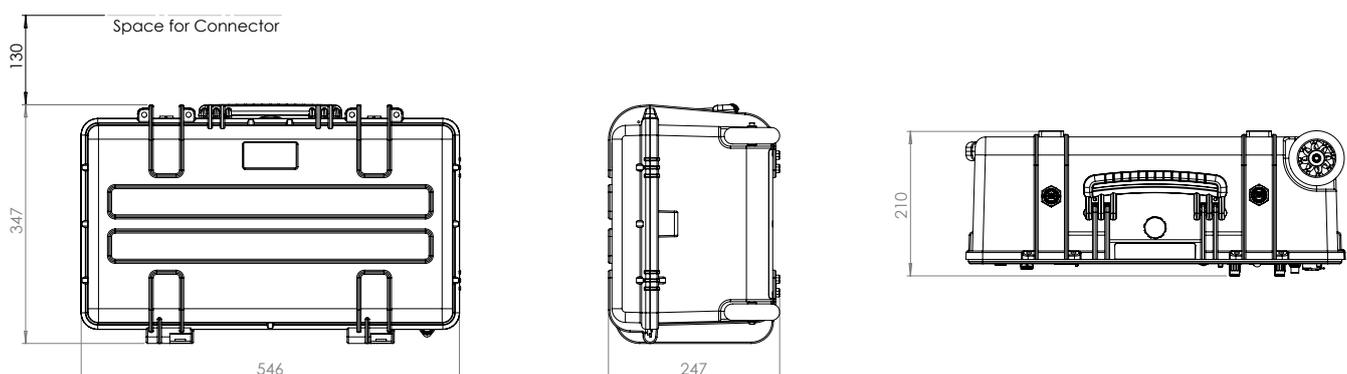
* Please contact NOVASUB. All options, unless otherwise specified, need to be clarified when ordering.

* Features and specifications are subject to change without prior notice due to continuous developments

SCC-2DRVL-DSP-DVR3-G4.2 2 Diver Communication, Video recorder, Camera & Light control

System	Description	Type / Parts
Name	SCC-2DRVL-DSP-DVR G4.2	
Channels	2x	
Light Control	Ampere regulated (max. 1.7A)	Max. 31 vdc (settable 12-31 vdc)
Camera control	Balanced or unbalanced (settable)	Max. 31 vdc (settable 12-31 vdc)
xDR	Yes	G4
Wireless Connections	2x optional	
DVR	Yes	G3
DVR Screen size	12.1"	1000 nits daylight screen
Storage	SSD	120 GB / 90 GB free for recording upgradable to 240/480/512 GB
Connectors		
Umbilical :		
<i>Multipin</i>	2x, With Comms, Video, Light & Depth	UTS712E10S or UTS714E19S
<i>Banana</i>	2 Channels	4x Banana for each channel
External Speaker	1x	2x Banana binding posts
Power	1x, 100-240Vac	C14
NovaBus (Data in/out)	1x	Bulgin, PX0412/08S
Wired Headset :		
<i>Multipin</i>	1x, With Earphone, Mic & PTT	Lumberg 0271-07
<i>Earphone</i>	1x	Jack 3.5mm (Mono/Stereo)
<i>Mic</i>	1x	Jack 3.5mm (Mono)
Audio Out	2x	RCA
Aux In	1x	Jack 3.5mm (Mono/Stereo)
Aux Out	2x	RCA
External monitor	1x	HDMI
Ethernet	1x	RJ45
USB	4x	USB 2.0 / USB3.0
Video Out	2x	BNC
Battery		
Run time	20-45 min.	Serves only as UPS backup
Charging time	6 hours	
Size		
Length		546 mm
Width		347 mm
Height		247 mm
Weight		13.7 kg

Dimensions (mm)



CE All topside units, communication, lights and cameras have been meticulously crafted and rigorously tested to meet the guidelines and norms established by the CE norm. A declaration of conformity is available on our website and on request.

DVR3 Digital Video Recording Software with Camera & Light control

DVR3 Video Recording Software

NOVASUB DVR3 is the 3rd generation video recording software developed by Seascope Subsea. The software is completely redesigned from the ground up to accommodate better ease of use, new features, and better image quality.

The software now includes support for touchscreens apart from keyboard and mouse. It also has a new user interface with a taskbar to control all different functions for each diver. These functions include:

- Camera control
- Light control
- Recording
- Clip Recording
- Snapshot
- Quick overlay changes

The system has support for extensive overlay functions, such as text, images, and data. These overlay functions can be configured for each diver separately to accommodate every situation. The configurations can be saved and restored to make switching between conditions as smooth as possible.

The system can record in SD and 960H and has an audio input for every channel, recorded within the video file.

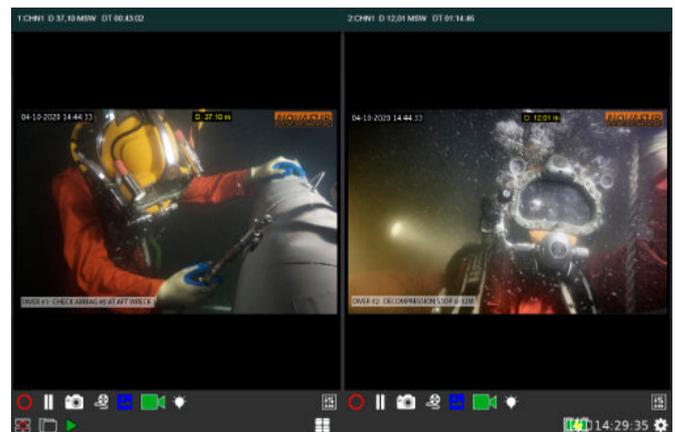
Different channels can be displayed in various ways to ensure you have your operation's best sight. That also includes the ability to connect to an external monitor on which you can select the channels you want to view.

The system has TeamViewer built into the software so you can share your code with anyone who wants to control the system remotely. TeamViewer also makes technical support more convenient and efficient.

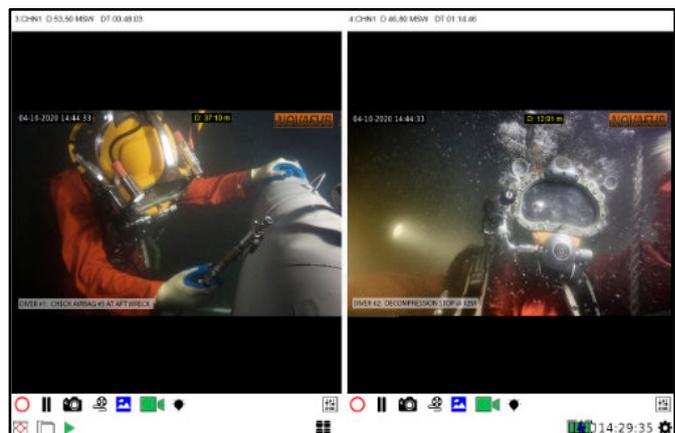


Recording Specifications

Image Compression	H.264	File Format : MP4
Audio Compression	MPEG-4 AAC	File Size : 3,5 GB/Hrs
Recording Mode	Manual	Bitrate(constant): 8 Mbps
Recording Resolution	PAL: SD (720 x576) 960H (960x576)	
	NTSC: SD (720x480) 960H (960x480)	
Frame rate	PAL: 25 fps NTSC 30 fps	

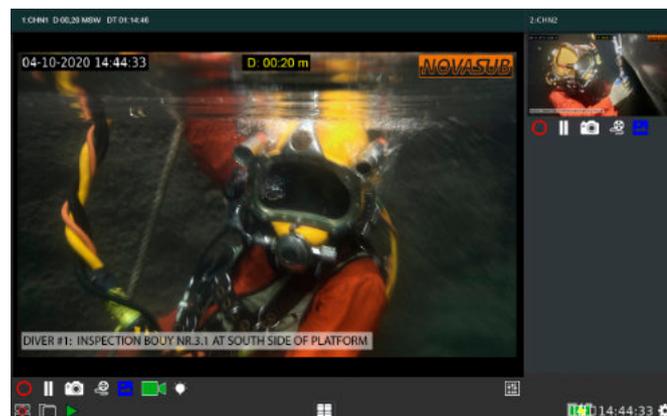


Screen 2 divers video overlay in **DARK** mode

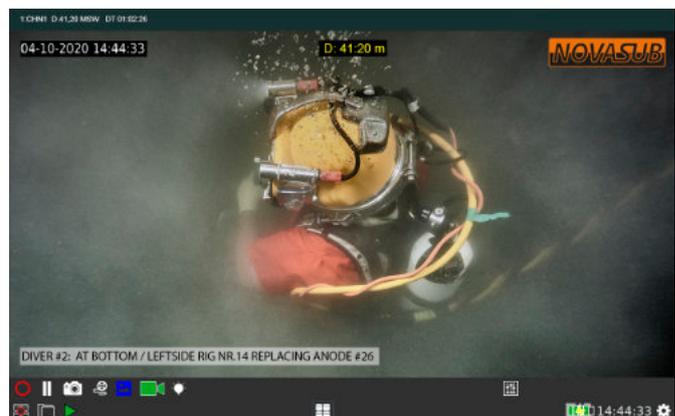


Screen 2 divers video overlay in **LIGHT** mode

DVR3 has configurable overlay and screen options:



Screen 2 divers video overlay : main screen with thumbnail for diver 2



Screen 1 diver video overlay in **DARK** mode

xDR-DSP xDR-DSP Diver Intercom with Digital Signal Processing (DSP)

Self-contained Diver Intercom that supports communication between a tender and 2 to 4 divers

NOVASUB xDR-DSP is a self-contained diver intercom that supports communication between a tender and 2 to 4 divers. It is an innovative system that includes in-house written software in combination with industrial hardware. Because of this software, the system has a massive amount of configurability. To achieve this it uses Digital Signal Processing (DSP).



Software:

This DSP makes the xDR-DSP an adjustable diver intercom in which you can, for example, select which channels you want to hear on an output or adjust its volume levels. The xDR-DSP can also operate in half duplex tender to diver as well as full duplex between divers (Round Robin). By default settings, the xDR-DSP will work as a standard 2 Diver intercom you will be used to.

Hardware:

The xDR-DSP is equipped with a 2 line translatable display. This display is used to scroll through the menu and adjust the required settings. The xDR-DSP is always equipped with push to talk buttons, Volume control and a microphone connection. The audio in- and outputs can be configured as needed.

Features:

- Fully audio configurable, select on each Diver, Tender and output what it may hear
- Each Diver, input and output has a gain level adjustment
- Separate amplifiers for Divers, Internal speaker and External speakers
- Transformer Isolated on all Divers, inputs and outputs
- 3,5 mm jacks to connect any media / gaming headset with mic

Options:

The system is per default **'Wireless Prepared'** for 2 connections, this means that the connectors for the antennas and the buttons are already integrated in the the system. This can be upgraded anytime to **'Wireless Ready'** to be able to connect to wireless headsets. On order, the number of connections can be expanded up to 4 wireless connections.



'Wireless Ready' option installed

Input Impedance (Each Input)	250 Ohms	Headset Mic Sensitivity	159 mVpp
Frequency Response	300 - 10000 Hz	Inputs audio (Aux&DVR in)	2,82 Vpp
Common Mode Rejection	40 dB Minimum	Outputs Audio (Rec, Out & Aux)	2,82 Vpp
Power Drain	0.2 – 0.5 Ah (12v)	Headset speaker	
Output Impedance	4 Ohm	Diver Output Power (RMS @ 4 Ohm Load, 12 Vdc)	7 watt audio
Diver Mic Sensitivity (Input)	15 mVpp	Speaker Output Power (4 Ohm)	15 watt audio
		Inputs and outputs Isolation	Transformer galvanic Isolated

ACCESSORIES Compatible with TRITON-C1

NSHEADSET5



Single Ear Headset
with dual Jack
(Included with TRITON)

NSHEADSET1



Headset with PTT
and noise cancellation

NSHEADSET4



Heavy Duty
Single Ear Headset
with PTT

NSHEADSET6



Heavy Duty
Double Ear Headset
with PTT

WLHEADSET1



Wireless Headset
with PTT / waterproof
needs 'Wireless Ready' option

WLHEADSET2



Wireless Headset
with PTT for helmet mount /
waterproof
needs 'Wireless Ready' option

WLHEADSET3



Wireless Headset
with PTT and Hear-Trough
mode / waterproof
needs 'Wireless Ready' option

NSEXTSPK33



Waterproof External Speaker
23 watt

K400



Wireless Keyboard K400
U.S. International
(Included with TRITON)

TMIC3-2L



Table Microphone
2 channels

HHMIC3-4L



Handheld Microphone

ALB-5122



Wall Mount Bracket

NOVASUB Available products that can be used in combination with TRITON :

BOREAS



**DIVING AIR
CASES & PANELS**

ARGOS



CAMERAS

HELIOS



LIGHTS

HERMES



COMMS

DUx



UMBILICALS

DLRx & CDURx



CABLES
for video & comms

UDS



Depth Sensor