

SCC-M15.6-xHVL-DVR3-x G4.2 1 or 2 Channel HD Video Recorder with Camera & Light Control

THALLASA-C2 | Portable case with one or two channel camera & light control, integrated DVR3 recorder and a built-in 15.6" color daylight monitor.

The THALLASA-C2 is a video and light control system that runs on the proprietary DVR3 software from NOVASUB. It is able to support both SD and HD analog camera's. It is an innovative piece of hardware integrated into a rugged case with high grade connectors that supports up to 2 channels. Each channel supports SD, TVI and AHD camera's and can be switched independently, each BNC video output will then also output either SD, TVI or AHD. It is equipped with a 15.6" daylight touchscreen to make video control as easy as possible. This also makes this system the centrepiece in any surface supplied equipment system and an indispensable piece of hardware. It has inputs for Video & light, as well as comms from a communication system and depth data from a dive panel.



THALLASA-C2 is configured with :

NOVASUB HD: An innovative hardware solution for transmitting Full HD video with 4x more pixels via existing cables and umbilicals, using analog signals from AHD and TVI cameras, supporting cable lengths up to 300m for quality twisted pairs and 250m for coax cables.

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.

Configurations :

- SCC-M15.6-1HVL-DVR3-1 G4.2 (1 channel)
- SCC-M15.6-2HVL-DVR3-2 G4.2 (2 channels)

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

Features:

- Full HD support
- DVR3 software
- Rugged & Portable
- 15.6" Touch- & Daylight screen
- Convenient side connectorbox

Applications:

- Commercial Diving
- CCTV Systems



THALLASA-C2 Available options:



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

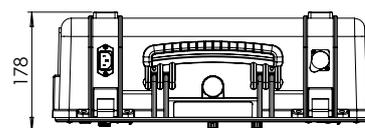
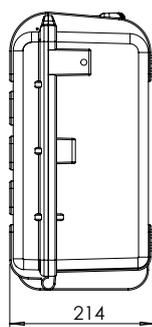
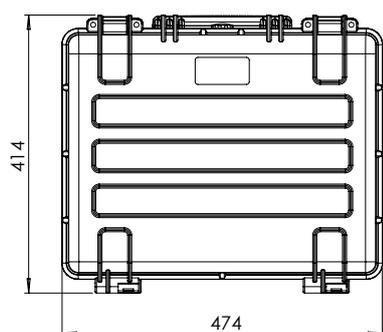
The battery of the system can be replaced with a bigger battery. This battery has 5x the capacity of the original battery which enables you to work much longer without needing external power. This option also adds 1.5kg to the total weight of the system.

* 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-M15.6-xHVL-DVR3-x G4.2 1 or 2 Channel HD Video Recorder with Camera & Light Control
Specifications :

System	Description	Type / Parts
Name	SCC-M15.6-xHVL-DVR3-x	
Channels	1 or 2	
Light Control	Ampere regulated (max 1.7A)	Max. 31 vdc (settable 12-31 vdc)
Camera control	Balanced or Unbalanced (settable)	31 vdc (settable 12-31 vdc)
Video Input	Hybrid (SD, AHD or TVI)	
DVR	Yes	G3
DVR Screen size	15.6"	1000 nits daylight screen
Storage	SSD	240GB / 210 GB free for recording upgradable to 480 GB
Connectors		
Umbilical :		
<i>Multipin</i>	1 or 2x, With Video, Light & Depth	UTS712E10S or UTS714E19S
<i>Comms pass-through</i>	Multipin comms to Banana sockets	4x Banana for each channel
Power	1x, 100-240Vac	C14
Depth Data (optional)	Depth sensor pass-through	UTS710E7S
NovaBus (Data in/out)	1x	Bulgin, PX0412/08S
Audio In	1 or 2	RCA
External monitor	1x	HDMI
Ethernet	1x	RJ45
USB	4x	USB 2.0 / USB3.0
Video Out	1 or 2	BNC (SD, TVI or AHD output)
Battery		
Run time	20-45 min.	Serves only as UPS backup
Charging time	6 hours	
Size		
Length		474 mm
Width		415 mm
Height		214 mm
Weight		12.7 kg

Dimensions (mm)



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.

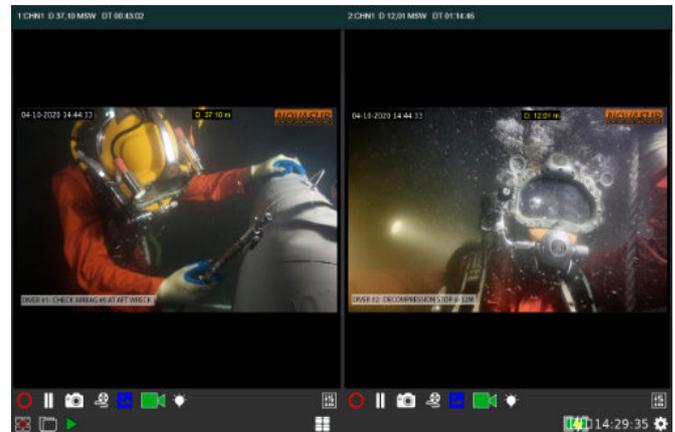
Different channels can be displayed in various ways to ensure you have your operation's best sight. That also includes the ability to connect to an external monitor on which you can select the channels you want to view.

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 : 1,8 GB/Hrs
Recording Mode	Manual	Bitrate(constant): 4 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

NOVASUB HD Analog Video

Novasub has developed a method to utilize full HD cameras on existing cables and umbilicals, enabling the transmission of nearly four times the pixels without any additional delay. By employing a high-bandwidth signal on either a coax core or a high-quality twisted pair, we can achieve significantly higher resolutions. The system supports both AHD and TVI camera's.

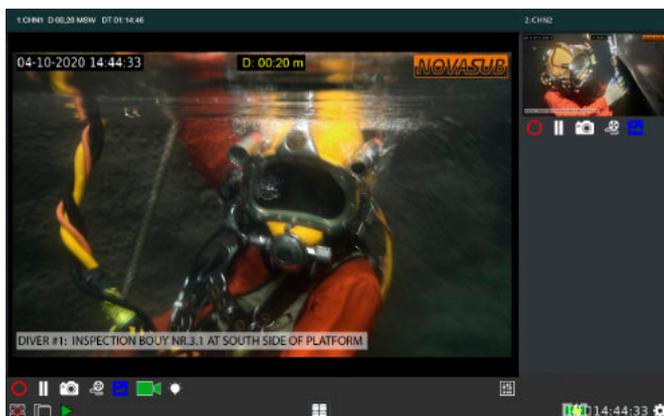
The maximum achievable length depends on the quality of the twisted pair, with lengths of up to 300m achievable for twisted pairs close to CAT specifications and up to 250m for coax.



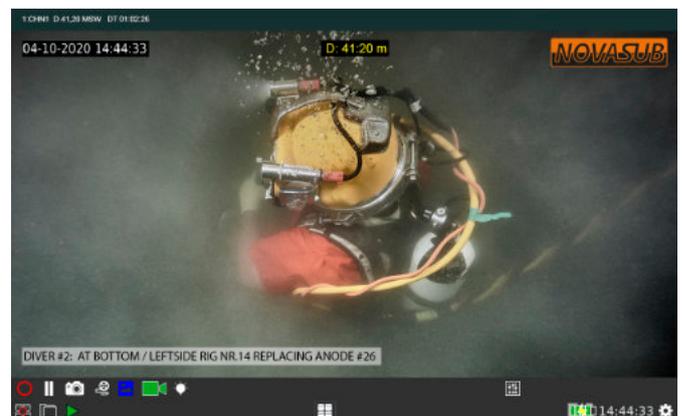
To use the new Novasub HD standard, you will have to have a novasub HD camera end a HD compatible topside unit. HD systems can be recognized by the HD ready logo.

Image Compression	H.264	File Format : MP4
Audio Compression	MPEG-4 AAC	File Size : 5,4 GB/Hrs
Recording Mode	Manual	Bitrate(constant): 12 Mbps
Recording Resolution	1920 x 1080 progressive	
Max length	Twisted Pair: 100-300m Coax: 250m	
Frame rate	25 fps	

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

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

BOREAS



DIVING AIR
CASES & PANELS

THETIS



DIVER RADIOS

ARGOS



HD CAMERAS

HELIOS



LIGHTS

HERMES



COMMS

DUx



UMBILICALS

DLRx & CDURx



CABLES
for video & comms

UDS



Depth Sensor

Accessories:

K400



Logitech Wireless Touch Keyboard K400
U.S. International
(Included with THALLASA)