



The PVSS1 is a fully portable battery operated one diver video unit and fully with video editing and snapshot capture features.

If you look for the highest quality, reliability and most mobility, the only choice is the PVSS 1.

- **Diver radio integrated**
- **Depth monitoring**
- **GPS Interface**
- **18.5" screen**
- **75m video/light/Comms cable**
- **Color Camera 540TVL 70 degrees**
- **14W Led Light**
- **Dive profile logger**
- **Etc.**

**Power Supply** - The system is a 12Vdc battery powered, with a 4 hours autonomy using camera, LED light and COMMS. A built in battery charger and 115/230Vac 60/50Hz input are also included to keep batteries charged. An external 12Vdc connector is available to get power directly from car/van battery, increasing the autonomy.

**Screen Monitor** - An 18,5" LED monitor provides a full clear and sharp image in 4:3 format, a left tool bar with all options and commands are available for an easy to use system.

**Recording** - Completely Fan less Industrial PC with **No Moving Parts** and Intel® Sandy Bridge Core i3 Processor, SATA-6Gbps SSDs and consuming only 17 Watts. With the ultimate OS from Microsoft Windows 7, we are able to record video in MPEG4 640x480 and AAC audio. To accomplish the video recording we use proprietary software that produce all video chapters and overlay text, without needed of post-production editing software. An (optional) external DVD recorder allows you to record all video files and reports without any delay or office paper work.

**Keyboard** - Compact Size with Integrated HulaPoint II™ and 84-Key functionality, constructed with a sealed Industrial silicone keypad and designed to meet NEMA 4X specifications. Offers you a full overlay text editing and real time text comment as well the control of video recording, camera and light.

**Umbilical** - A 12 pins marine grade connector with gold plated contacts; provide a rugged and reliable connection to Camera, Light, COMMS and depth transducer.

**Audio COMMS** - An integrated two wires communications system allows audio communications between diver and surface, a handheld microphone with PPT is also supplied. Microphone gain and speaker volume potentiometers for diver and tender, allows the correct adjustment to achieve a crystal clear sound quality. Optional headset with microphone and PTT can be supplied.

**WiFi** - A built-in antenna allows the system to be part of any wireless network. This functionality give you access to all files remotely in the office without any extra cables. A video streaming over internet is also available for remote operations viewing, at bridge or office (internet broadband access needed).

**Water proof** – the system was design to be water proof in all-weather conditions. To assure this all cables and connectors caps must be in place.

**Dimensions** – The system was built using an 1550 PELI case with external dimensions L 52,4 x W 42,8 x D 20,6 cm.

**Weight** – Fully equipped and with 2 x 12V/7Ah batteries this unit weight 18kg.

**Accessories (included)**

**Camera** – Mini 540TVL Colour camera in stainless steel housing with a connector MCBH-4M-SS-SC (other connector option available). Power 12Vdc@125mA reverse polarity protected. Video Output - 75 Ohm Composite video 1Vpp PAL (NTSC on request) and 91° Diagonal Field of View in water.



**Light** – Mini LED light in stainless steel housing with a connector MCBH-2M-SS-SC (other connector option available). Power - 12V@500mA (reverse polarity protected). Luminous Flux -200 lumens, Warm White 2800°K and maximum depth rate 200m sea water.

**Video Cable – 75 m** Umbilical International CDX010811 Video Cable with diver side molded wet junction and surface marine grade connector and gold plated contacts.

**Depth Transducer** – Transducer to indicate the depth including a Marsh Marine connector, 4-20mA signal and maximum depth 60 msw.

**GPS Interface** – USB to RS232 converter with 9 pin DSUB connector. (GPS not included)

**Dive profile logger**

