



SUB
VIEW
portable video system





SUBVIEW

The SUBVIEW system presents a live view of submerged activities by means of waterproof cameras on a battery powered video case system. To capture more angles of the object, a total of four cameras can be connected, visualized and stored simultaneously. With the integrated battery-unit the system can run stand-alone for hours, which makes it perfectly suitable for use in areas / situations where no direct power is available.



The internal hard disk can store video images of four cameras for a period of five days continuously.

SUBMERGED OR ON THE SURFACE

Although SUBVIEW was originally designed to view submerged activities with waterproof cameras, the system can be used with any type of camera and application, submerged or on the surface. The benefits of a portable, battery-powered, multi-camera video system are useful for a wide range of applications. With waterproof cameras and waterproof connectors mounted through the side, the closed case can be fully operational and placed outside in any bad weather condition.

SYSTEM SETUP

The SUBVIEW system can capture, visualize and control up to four cameras. The video case includes a 15" LCD screen, mounted inside the lid. The battery-unit, Digital Video Recorder (DVR), user control panel and the camera input panel are all mounted inside the case. Due to the modular setup of the units the system can easily be adjusted to client specific configurations.

- CASE

The system is built into a watertight rugged case. With the lid closed and (optional) connectors mounted through the side, the system can operate stand alone in harsh outside conditions.

- CAMERA

The color camera is waterproof to a depth of 30 meters. The length of the camera cable can be extended on customers' request.

- BATTERY UNIT

Within in SUBVIEW system a modular battery unit is installed which is based on two or four powerful batteries, a controller board and a status display.



With the basic system with two cameras and two batteries the system can operate for at least five hours on battery life.



- **LCD SCREEN**

A 15" LCD screen is built into the lid of the system. When operating as a stand alone system with the lid closed the screen can be turned off to reduce power consumption and heat. The screen can visualize four cameras at a quarter of the screen simultaneously or one camera at the whole screen.

- **DIGITAL VIDEO RECORDER (DVR)**

The DVR captures the video images of a maximum of four cameras and stores the data on the internal 500 GByte hard disk. The DVR has many options to set up the type of recording of the cameras. When continuously recording with four cameras a period of at least five days can be covered. The DVR functionality can be controlled by the integrated buttons in the case or by remote control.

APPLICATIONS

Originally the system was designed to capture and visualize submerged activities. Due to the universal and modular setup, the SUBVIEW system can be applied in a wide range of different areas, submerged but also above the water.

- **RECREATIVE SWIMMING / DIVING**
Swimming pools can use the system to monitor and capture the under water activities for security reasons or for fun, i.e. capturing a children's swimming exam. For diving schools students activities and skills can be capture and shown directly to the students.



- **PROFESSIONAL DIVING / SWIMMING**
Monitor the working area and the divers from the surface while working on a submerged object. For professional swimmers the skills and performance can be captured and directly visualized on the side of the swimming pool without the swimmers leaving the pool.

- **SECURITY – SAFETY**

For the protection of temporary properties in areas where no power supply is available the SUBVIEW system can monitor the property.



For inspections and repair activities, submerged or even on the surface, in areas where space is limited, the SUBVIEW system can be used as a security-safety system. The operator can follow all activities of the person working in the limited space without physically being there.

The list of applications mentioned above is just a small summary of the large variety of applications in which the SUBVIEW system can operate. Due to the modular setup the SUBVIEW system can cover almost all customer requests.

INFORMATION

For more info:

www.subview.nl

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SPECIFICATIONS

Case

Type	: peli case 1520
Size (LxWxH)	: 490×395×195 mm
Total weight	: 8 kg

Camera

Camera	: aluminum housing waterproof to 30m, IP68
Input voltage	: 12 Vdc
Sensitivity	: 0.05 lux
Battery powered	: 480 TVL

LCD screen

Size	: 15 inch
Input	: VGA, DVI
Resolution	: XGA 1024 x 768
Brightness	: 450 cd/m ²
OSD	: On Screen Display

Battery pack

Batteries	: 2 (optional 4)
Type	: 95 Wh, 14.4 Vdc, 6.6 Ah
	: Controller board
	: Display

Digital Video Recorder

Video compression	: MPEG4
Video in / video out	: 4 / 1
Display resolution	: 720 x 480
Internal SATA HDD	: 500 Gb