



## INTRODUCTION

*“The sky is the limit”*, this line is known all around the world. At the time this line was phrased for the first time, people only went up to explore the world.

With the portable video system SUBVIEW a new line is born: *“The ocean has no limits”*. The portable SUBVIEW system makes it possible to show the underwater world live on the surface on the integrated SUBVIEW display or on a local monitor.



Waterproof cameras and the SUBVIEW system.

With the use of maximum four (waterproof) cameras the SUBVIEW system can collect and store the video images on the integrated hard disk. The 15” LCD screen, built in the lid of the case, visualizes one large image or four quarter-size images of the connected camera’s.

The type of the camera is free as long as the camera runs on 12Vdc power, supplied by the case, and offers an analog video output. The waterproof cameras are normally certified to a depth of 30 meters, but other types are also possible.

Within in SUBVIEW case a battery unit is placed, based on powerful batteries, a controller board and a status display, for a standalone operation time up to ten hours, ideal for areas/situations where no direct power supply is available.

## WIRELESS

Additional to the normal wired SUBVIEW system a wireless solution is possible, which extend the operational use of the SUBVIEW system.

For wireless applications a video transmitter and a battery-pack is added to the camera side and a video receiver to the data visualization and storage side.

### OVER LAND:

Wireless connection over land is accomplish with a transmitter, a receiver and strong antennas on both sides. With the antennas in line of site a distance of 2500 meter can be reached.



Receiver side, wireless over land

## SUBMERGED (semi-wireless)

Wireless video through water is very difficult but a semi-wireless option is possible. With a waterproof camera connected by cable to a buoy the live video images of the underwater world can be transmitted through the air to a receiver on shore. The camera cable is connected to the buoy and can be submerged to a maximum depth of 30 meters. The buoy contains a camera input, a battery-unit, a transmitter board and a transmit antenna.



Transmitter side, wireless over water

With solar cells added to the buoy, the battery-unit is reloaded automatically and the buoy can stay out for very long periods.

For maritime research or presenting a live view of the underwater world the semi-wireless option could be the perfect solution for long term visualization.

For diving schools with beautiful reefs, within 2.5 km range, a live presentation of the dive-site could be an added value of their sales marketing.



## INFORMATION

For more info please visit

[www.subview.nl](http://www.subview.nl)

or contact

[info@subview.nl](mailto:info@subview.nl)

## SPECIFICATIONS

### Case

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

### Buoy

Type	: client specific
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### Camera

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

### LCD screen

Size	: 15 inch
Resolution	: XGA 1024 x 768
Brightness	: 450 cd/m <sup>2</sup>

### Battery pack

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

### Digital Video Recorder

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