

# Datasheet



Yachtview 360° is a revolutionary high-end camera system for yachts from 15 meters up to 100 meters and more which delivers a unique 360° surround view of the boat. Yachtview 360° consists of a minimum of four 170° wide angle Sony® cameras which are installed more or less invisible close to the position lights, at the front and the rear of the boat. Handmade of rust free durable submarine aluminum, these cameras deliver four high-precision pictures of the yacht surroundings straight down to the water plus the close environment of the yacht in real time. A powerful View Processing Unit (VPU) combines the individual pictures to one holistic 360° view of the yacht and displays it on the central control display / panel on the flybridge or in the command bridge. The captain has a holistic view of the edges of the boat, the distance to the quay wall, other boats, obstacles or people in the water – from all angles, all sides!

The VPU inherits an algorithm to combine the individual views into one holistic picture. A hyperbolic view, i.e. redundant and useless information are pre-filtered, focuses on the essentials: boat, surroundings, and close environment. Most important areas for maneuvering are emphasized in the view in a way that you can see even more detail where details are important. A new era has just begun - with Yachtview 360° yacht owners will enjoy the new era of ease for mooring and maneuvering.



Available in two versions, Yachtview 360° also allows to display the 360° view on all kind of mobile devices such as iPad®, iPhone®, Android™ smartphones & tablets, PCs, TV screens with WiFi® access and many more.

[www.yachtview360.eu](http://www.yachtview360.eu)

©2013 Yachtview 360°, ViaLuna (Switzerland) AG. All rights reserved. All technical specifications and design features subject to change. Sony is a registered trademark of Sony Inc. iPad and iPhone are registered trademarks of Apple Inc. Android is a registered trademark of Google Inc. WiFi is a registered trademark of the WiFi Alliance. Bluetooth is a registered trademark of the Bluetooth Special Interest Group Inc. All other mentioned brands or product names are trademarks or registered trademarks of their respective owners.



## Technical Specifications

### System Components

- View Processing Unit (VPU)
- 4 Cameras
- 4 Camera mounts, including screws
- NanoTechnology Lens coating gel to reduce droplets on the lens.
- Cable to connect cameras (up to 50m for each Camera included)



### Camera

- Four 170° wide angle Sony® cameras powered by a high-end DSP (Digital Signaling Processor)
- Enables automatic picture correction, automatic day and night mode, automatic white balance and Digital Wide Dynamic Range (DWDR) for perfect contrasts (the extreme sunlight and shades on the sea are extremely challenging for every camera)
- Camera lenses double IR coated and embedded in a hand-crafted ultra-resistant submarine aluminum body. The body is sealed and water proof.
- Four times 0.5 Megapixel, composed holistic image: 1 Megapixel

- F=1.8
- Operating temperature 14°F ~ 122°F (-10°C ~ 50°C)
- Humidity 10% ~ 90% RH
- 12V, supplied via VPU
- Video Output 1.0 Vp-p Composite Video / 75Ω

### View Processing Unit (VPU)

- Compact robust full aluminum body without any movable components designed for tough conditions
- Passive cooling of CPU
- Intel® Celeron 2.4Ghz dual core CPU
- 64 GB with NAND Flash, R/W speed 555/530 MB per second
- CPU operates 12.6 million pixels per second
- Components sealed and protected against atmospheric corrosion
- 10 to 24 Volt, average (including 4 cameras) current at 12V is 2.2A

- Voltage regulating power supply included
- Wi-Fi® and Bluetooth™ module
- 2.4 GHz Wireless Mouse
- USB 3.0, HDMI, DVI, VGA
- Gigabit Ethernet port
- 435 x 60 x 325 mm (B x H x T)
- Weight 5,5 kg

### Versions



#### Platinum edition

specially treated anodized cameras and a more powerful VPU (faster CPU, more storage capacity) - offers additional features:

- Video function to capture the best moments while on the sea
- Black Box recording feature with a storage structure with time scaled memory when things go horribly wrong: the last 15 minutes are automatically captured in a high resolution mode, previous periods with lower temporal resolution.
- In case of an accident, the yacht owner can immediately send the image material to the insurance company.



#### Silver edition

brushed silver cameras delivers the basic 360° view and is perfectly suited for smaller yachts and charter yachts.

### Warranty

2 years