

# HYDROHEAD UNDERWATER CAMERA SYSTEM

**Hydroflex®**

The HydroHead is a waterproof remote pan and tilt head. It is the perfect compliment to our RemoteAquaCams. The HydroHead's light weight and low profile, combined with the tubular hydrodynamics of the RemoteAquaCams, allow this system to glide through the water with less resistance than anything currently available.

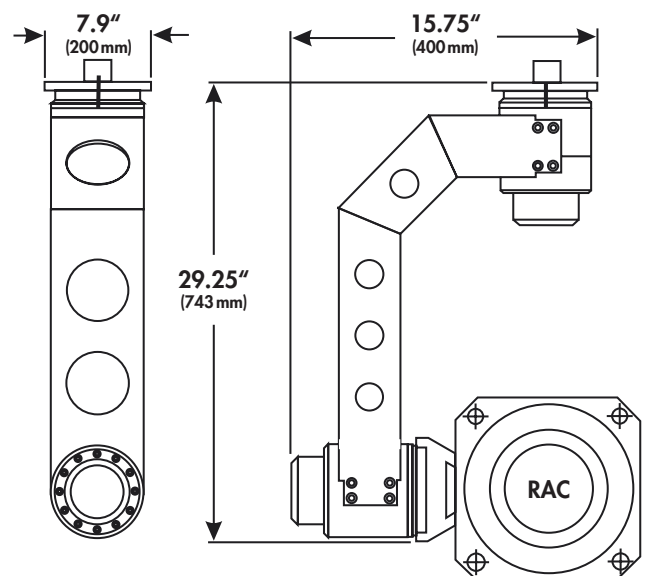
Our 2-axis analog head uses underwater mateable connectors and is depth rated to 30 m. An optional "L" bracket allows mounting a standard Arri or Panavision camera package in one of our Scubacam Splash Bags for surface wet work.

The HydroHead system uses reinforced Power Pod electronics and offers operator familiarity and years of dependable, in the field experience.

A dovetail balance plate is built into the tilt rotator to accommodate a wide variety of prime and zoom lenses, and a large selection of camera combinations and Splash Bags can be fitted for above water shooting in wet situations.



| Hydroflex®          | Hydrohead   |
|---------------------|---|
| Weight in air       | 23.5 kg   |
| Weight in saltwater | 20.5 kg   |
| Operating depth     | 30m   |
| Power required      | 230 V Mains Power or<br>2x 24 Volts Battery Power |



Further detailed information on our website [www.vantagefilm.com](http://www.vantagefilm.com) (underwater section)

# ALEXA MINI HOUSING

*Nauticam*

- **Supports a Wide Range of Lenses**
- **Quick and Easy to Set Up, Swap Lenses, and Use**
- **Outstanding Wide-Angle Image Performance**

The new Nauticam Alexa Mini Housing was designed in collaboration with Hydroflex, the world's leading underwater cinema equipment rental house, owned by Pete Romano, ASC. Their combined effort has created the perfect underwater housing system for the Alexa Mini.

Cameras can be easily built up on the camera base plate in good light before sliding the assembled unit into the housing. Lens swaps are easy, and the housing supports a wide range of lenses, from very small lenses to large cinema-style zooms. Large, rubberized lens control knobs with marking discs provide the operator with precise control over the lens. The 250 mm optically coated glass dome port provides outstanding wide-angle imaging performance. An improved locking system makes lens changes easier and reduces the chance of leakage. Many 1/4"-20, 3/8"-16, and 10 mm threaded accessory mounts are provided. The housing ships with the V-Mount battery plate and the LEMO connector. Plenty of space is allocated for batteries, and surface supplied power can be tethered for all-day shooting. Weight and trim brackets make it easy to achieve neutral buoyancy and left-right balance with easily sourced dive weights. A number of on camera monitoring solutions are available.



| <b>Nauticam</b>             | <b>Underwater Housing</b>   |
|-----------------------------|---|
| <b>Camera</b>               | Alexa Mini  |
| <b>Dimensions l x h x w</b> | 49 x 46 x 41 cm   |
| <b>Weight in air</b>        | 38.5 kg (fully equipped)  |
| <b>Weight in saltwater</b>  | 1.4 kg  |
| <b>Operating depth</b>      | 40 m  |
| <b>Viewfinder</b>           | 5.5" underwater LCD monitor   |
| <b>Lens port</b>            | flat & dome   |
| <b>Lenses</b>               | Hawk class-X, Hawk V-Lite, Hawk C-Series, Zeiss UP Series, Arri UWZ 9.5-18 mm, VantageOne T1, Cooke S4 Series |

**Further detailed information on our website [www.vantagefilm.com](http://www.vantagefilm.com) (underwater section)  
We also supply underwater housings for 35 mm and 16 mm film cameras. Contact us for details.**

# ARRI, SONY, RED AND PHANTOM UNDERWATER CAMERA SYSTEMS

# Hydroflex®

The Hydroflex RAC (RemoteAquaCam) was engineered primarily for use with our remote 2-axis Hydrohead on a crane for at sea or wet stage work. Field testing has also proven the AquaCam to be useful for handheld filming under the water or floating on the surface because of its aquadynamic shape. Moreover, the AquaCam is ideal to shoot on cramped underwater sets, e.g. submerged cars.

Designed around standard Arri film/digital cameras and Preston remote focus and iris controls, this low profile camera system can be easily fitted with Cooke, Zeiss, Hawk or Panavision spherical and anamorphic lenses. Small Vantage and Century lightweight zoom lenses can also be used. Both flat and dome ports are available as well as a variety of port extension rings to accommodate the different lenses. Water drops are cleared from the front port by an air-powered rain deflector.

The Alexa HD-SDI output can be connected to a 4.3" HD LCD underwater monitor for hand-held viewing, allowing the operator to set the frame while the camera assistant rolls camera, and pulls focus, iris and zoom from above water from as far as 30m away. The optional Preston Marine FI&Z hand unit or Arri WCU-4 gives the camera assistant start/stop, focus and iris control underwater. All camera functions can be controlled using a WCU-4 with an Alexa Remote licence key installed.



**Preston Marine FI&Z hand unit**

| Hydroflex®                            | Arri  | Sony   | Red  | Phantom  |
|---------------------------------------|---|--|--|--|
| <b>Camera</b>                         | Alexa, Alexa Mini, Alexa Mini LF  | Venice   | Epic, Weapon, Helium, Monstro                                      | Flex 4K  |
| <b>Dimensions l x h x w</b>           | 30 x 30 x 71 cm   |  |  |  |
| <b>Weight in air (fully equipped)</b> | handheld 35 kg<br>remote 33 kg  | handheld 34 kg<br>remote 32 kg                                     | handheld 33 kg<br>remote 31 kg                                     | handheld 34 kg<br>remote 32 kg                                     |
| <b>Weight in saltwater</b>            | handheld 1.2 kg<br>(with slide in diving weight)<br>remote -1.3 kg  | handheld 1.2 kg<br>(with slide in diving weight)<br>remote -1.3 kg | handheld 1.1 kg<br>(with slide in diving weight)<br>remote -1.2 kg | handheld 1.2 kg<br>(with slide in diving weight)<br>remote -1.3 kg |
| <b>Operating depth</b>                | 30m   |  |  |  |
| <b>Viewing</b>                        | 4.3" HD LCD underwater monitor  |  |  |  |
| <b>Lens port</b>                      | flat and dome, extension rings accommodate the different lenses   |  |  |  |
| <b>Lenses</b>                         | Hawk class-X, Hawk V-Lite, Hawk C-Series, MiniHawk, Vantage One T1, Arri Master Primes, Vantage Zoom 17-35 mm, Century Zoom 28-70 mm, Zeiss UP Series, Cooke S4 Series, Canon Zooms |  |  |  |

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# DEEP WATER CAMERA HOUSING

# Hydroflex®

Professional aluminium underwater housing.  
Made in USA.

The housing is straight forward, easy to use, and designed to fit a stock Red Dragon or Red Weapon camera with Hawk, Zeiss or Cooke lenses. Various spherical and anamorphic lenses can be utilized in conjunction with interchangeable dome or flat ports to provide the cinematographer with a full range of options underwater, on the surface, or on a wet set. External controls are provided for iris, focus and video power. Internally mounted lights can be switched on to read T-stop, focus and footage counters.

Multiple 3/8"-16 holes top and bottom facilitate a number of mounting configurations, and our mounting accessories allow easy rigging to jib arms, dollies and cranes.

For above water filming in rainy or wet sets, an optional lens port spray deflector system shoots air across the lens area, keeping drops of water from registering on the image.

When the video tap is used in conjunction with an underwater speaker system, a director can view a thru-the-lens image plus maintain communication with a crew below.



| Hydroflex            | Deep Water  |
|----------------------|---|
| Camera               | Red Weapon/Epic/Helium/Monstro  |
| Dimensions l x h x w | 49 x 46 x 41 cm   |
| Weight in air        | 38.5 kg (fully equipped)  |
| Weight in saltwater  | 1.4 kg  |
| Operating depth      | 50 m  |
| Viewfinder           | 4.3" HD LCD underwater monitor  |
| Lens port            | dome & flat   |
| Lenses               | Hawk class-X, Hawk V-Lite, Hawk C-Series<br>MiniHawk, Vantage One<br>Zeiss UP Series<br>Zeiss Macros<br>Cooke S4 Series |

**Further detailed information on our website [www.vantagefilm.com](http://www.vantagefilm.com) (underwater section)  
We also supply underwater housings for 35 mm and 16 mm film cameras. Contact us for details.**

# SCUBACAM SPLASHBAGS

The Scubacam range of splash bags are completely watertight flexible lightweight camera housings for digital cameras. They are designed to operate just above or just below the surface of water or in an environment which is extremely dusty or dirty, and give the camera both water and dirt protection, while allowing the camera operator access to all the camera and lens functions.

Each model of the splash bag is made from high quality material that is molded to fit snugly around the camera and lens. The units are sealed with specialized watertight zippers. All metal parts are either stainless steel or anodized aluminium.

**It is important to remember that these housings are not suitable for prolonged use under water, and they are not an inexpensive replacement for more expensive aluminium deep water housings.**



| Scubacam                                     | Alexa/Sony Venice  | Alexa Mini/Mini LF  | Red   |
|--|--|---|---|
| <b>Housing</b>                               | Black polyurethane coated onto a high tenacity polyamide webbing, and heat sealed to clear viewing windows.  |   |   |
| <b>Zippers</b>                               | 1 x 68 cm  | 1 x 67 cm   | 1 x 30 cm   |
|  | Zippers conform to the M.o.D. Interim Defence Standard 53-100/1 for sealed zip fasteners.  |   |   |
| <b>Dimensions l x h x w</b>                  | 70 x 35 x 43 cm  | 40 x 25 x 20 cm   | 40 x 35 x 25 cm   |
| <b>Weight in air</b>                         | 6.5 kg (without camera)  | 3.5 kg (without camera)   | 3.5 kg (without camera)   |
| <b>Operating temperature</b>                 | -4 degrees C. to +40 degrees C.  |   |   |
| <b>Front port spec.</b>                      | 6mm. Optical flat, coated with a non-stick polymer.<br>163 x 133 mm  | 6mm. Optical flat, coated with a non-stick polymer.<br>150 x 115 mm | 5mm. Optical flat, coated with a non-stick polymer.<br>160 x 120 mm |
| <b>Dump Valve</b>                            | Apex low profile automatic   |   |   |
| <b>Leak alarm</b>                            | 9 volt tone generator max. output 95db.  |   |   |
| <b>Maximum depth</b>                         | NO MORE THAN 4 METRES  |   |   |
| <b>Lens information</b>                      | Maximum wide angle is 14mm; external follow focus fitted as standard.  | Maximum wide angle is 14mm.   | Maximum wide angle is 12 mm.  |
| <b>Scubacam air-jet lens cleaning system</b> | High pressure lens cleaning system. A flexible hose is attached to an air tank pressurized to 200 bar. When the trigger is depressed, air shoots out of the nozzles system permanently fixed to the front of the housing, dispersing any water droplets from the front port. A 9m flexible hose is included. |   |   |
| <b>Start/Stop</b>                            | Accessible through on/off pistol grip in side of housing.  |   |   |

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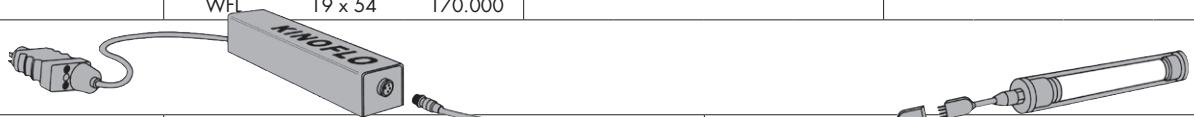
# HYDROPAR® LIGHTING SYSTEMS

# HydroFlex®

HydroPar® lighting systems are state-of-the-art underwater lights specifically designed for feature and commercial film production. Modular components, underwater mateable connectors and integrated ground fault sensors (GFCI's) for accident prevention make these lighting systems safe, flexible and easy to set up. Each lamp is compact and lightweight and can be configured to a multitude of shooting situations. Barn doors are readily added by simply removing the lamp head retainer ring and inserting the accessory. Filters, gels and scrims may also be used. A 5/8" spud assures compatibility with standard grip and lighting equipment.



| HydroPar®                       | 1200W HMI   | 1000W Tungsten   | 650W Tungsten  |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
|---------------------------------|---|--|--|--------------|-----|--------|-----------|-----|---------|---------|-----|---------|---------|--|------|------|------------|--------------|-----|-----|---------|--------|--|------|------|------------|--------------|-----|-----|---------|--------|
| <b>Specification</b>            | Built for easy field service and continuous operation below water. Changing fresnels to adjust the light's beam pattern is fast and simple. The ingenious design allows the lamp head to rotate in the yoke assembly. The HydroFlex custom underwater mateable connectors incorporate an extended ground pin for "Mate First/Break Last" grounding of the lamp. | Designed primarily as a simple, lightweight multipurpose underwater light source, suitable for key or fill light from a fixed position, or handheld to follow the action. This lamp utilizes our custom underwater mateable connector incorporating the "Mate First/Break Last" grounding circuit. | Simple, compact underwater light source, suitable for key or fill light from a fixed position, or handheld to follow the action. High output is achieved by using interchangeable Par 36 series quartz globes. It utilizes our custom underwater mateable connector incorporating the "Mate First/Break Last" grounding circuit. |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| <b>Bulb</b>                     | Bb1200 PAR 64 MK II   | PAR 64   | PAR 36   |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| <b>Voltage</b>                  | 230 V Mains power aligns to 120 VAC security transformer  | 230 V Mains power aligns to 120 VAC security transformer   | 230 V Mains power aligns to the 120 VAC security transformer   |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| <b>Color Temperature</b>        | 5600° K   | 3200° K  | 3200° K  |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| <b>Operating Depth</b>          | 30 meters   | 30 meters  | 30 meters  |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| <b>Weight in Air/Salt-water</b> | 13 kg/0.9 kg  | 6.4 kg/1.8 kg  | 2.4 kg/0.5 kg  |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| <b>Bulb Options</b>             | <table border="1"> <thead> <tr> <th>BEAM</th> <th>BEAM ANGLE</th> <th>CANDLE POWER</th> </tr> </thead> <tbody> <tr> <td>NSP</td> <td>8 x 11</td> <td>1.300.000</td> </tr> <tr> <td>MFL</td> <td>10 x 22</td> <td>600.000</td> </tr> <tr> <td>WFL</td> <td>19 x 54</td> <td>170.000</td> </tr> </tbody> </table>   | BEAM   | BEAM ANGLE   | CANDLE POWER | NSP | 8 x 11 | 1.300.000 | MFL | 10 x 22 | 600.000 | WFL | 19 x 54 | 170.000 | <table border="1"> <thead> <tr> <th>ANSI</th> <th>BEAM</th> <th>BEAM ANGLE</th> <th>CANDLE POWER</th> </tr> </thead> <tbody> <tr> <td>FFS</td> <td>WFL</td> <td>48 x 24</td> <td>40.000</td> </tr> </tbody> </table> | ANSI | BEAM | BEAM ANGLE | CANDLE POWER | FFS | WFL | 48 x 24 | 40.000 | <table border="1"> <thead> <tr> <th>ANSI</th> <th>BEAM</th> <th>BEAM ANGLE</th> <th>CANDLE POWER</th> </tr> </thead> <tbody> <tr> <td>DWE</td> <td>MFL</td> <td>30 x 40</td> <td>24.000</td> </tr> </tbody> </table> | ANSI | BEAM | BEAM ANGLE | CANDLE POWER | DWE | MFL | 30 x 40 | 24.000 |
| BEAM                            | BEAM ANGLE  | CANDLE POWER   |  |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| NSP                             | 8 x 11  | 1.300.000  |  |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| MFL                             | 10 x 22   | 600.000  |  |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| WFL                             | 19 x 54   | 170.000  |  |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| ANSI                            | BEAM  | BEAM ANGLE   | CANDLE POWER   |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| FFS                             | WFL   | 48 x 24  | 40.000   |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| ANSI                            | BEAM  | BEAM ANGLE   | CANDLE POWER   |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |
| DWE                             | MFL   | 30 x 40  | 24.000   |              |     |        |           |     |         |         |     |         |         |  |      |      |            |              |     |     |         |        |  |      |      |            |              |     |     |         |        |



| Hydroflo™                      | 120 cm  | 60 cm         |
|--------------------------------|---|---------------|
| <b>Specification</b>           | Utilizing industry-standard KINO FLO® flicker-free ballasts, for any wet or underwater application to a depth of 30m. To be used individually, handheld or hard mounted with our simple-to-attach weight cuffs. Available with UV Super Blue and KINO FLO® 3200 and 5500 tubes. Supplied with underwater mateable connectors. |               |
| <b>Voltage</b>                 | 230 V Mains power aligns to 120 VAC security transformer  |               |
| <b>Color Temperature</b>       | 3200° K and 5600° K   |               |
| <b>Weight in Air/Saltwater</b> | 1.5 kg/0.15 kg  | 1.0 kg/0.1 kg |
| <b>Watt</b>                    | 75 W  | 45 W          |

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Vantage underwater lighting equipment is rented to you only on condition that you will at all times use it in conformity with all customary and legal safety and security requirements and regulations.

# PERISCOPE UNDERWATER HOUSING

Perfect for Underwater Work

The Vantage Periscope Underwater Housing makes underwater shooting easy. It is designed for use with the Century Periscope Series 2000 Mark II and has three front housings that accept a variety of lenses, including Cooke S-4s and Vantage Leitz Macros. An extension bracket can be attached for motor-driven focus.



## Instructions for Use

- 01** Slide the camera forward on to the bridge plate, and align the front of the camera with the front of the bridge plate.
- 02** Insert the periscope support rods into the camera wedge plate in a way that they extend between 38/39 cm, according to the marking.
- 03** Attach the periscope onto the camera, and remove the PL adapter of the periscope.
- 04** Slide the iris and focus controls onto the support rods and lock them in position. The levers have to be inside.
- 05** Mount the support of the periscope as shown in the picture.
- 06** Ensure that the locking clamp brackets at the back of the housing are fully open, and then gently slide the housing over the periscope. Ensure that the support rods locate into the front support brackets inside the housing. Adjust the position of the housing and check if the lens locking ring is in the center of the lens port, then lock the rear clamps.
- 07** Attach the PL adapter to the periscope, and select the lens. Set the lens focus on infinity, and the iris fully open.
- 08** Check that the o-ring on the housing is in position, undamaged, and has been greased slightly. Select the most suitable lens extension port and gently screw it on the housing ensuring that it is fully screwed on. At this stage it may be necessary to slightly adjust the position of the Periscope Underwater Housing in order to keep the lens in the middle of the lens port.
- 09** The yellow colored protective spray cover consists of two parts. Attach the lower part (with window) to the Periscope Underwater Housing. The window has to be aligned to the camera display. Attach the second part of the cover (with zipper) to the first part. Begin at the black arrow on the first part. The four openings allow to insert eyepiece, focus & iris whips, as well as the cabling.
- 10** To avoid damage to the glass ports, ensure that the protective covers are in place at all times when they are not in use.

