

AQUALENS PRO™

complete live underwater video camera system

VERSION 1



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AQUALENS PRO™

Trademarks used in this guide, Aquabotix and AquaLens PRO, are trademarks of Aquabotix Technology Corporation. Other names mentioned in this guide may be trademarks or registered trademarks of their respective owners. The purpose of this manual is to provide AquaLens PRO users with a clear understanding of operating procedures. If further information is needed, contact Aquabotix at info@aquabotix.com or 508.676.1000.

website: www.aquabotix.com

Important Safety Instructions

Assemble and use AquaLens PRO only as instructed by this manual.

Read and follow these important safety instructions and the detailed assembly in this manual prior to using the Aqualens PRO.

Follow all safety and operational warnings and heed all additional restrictions on use.

Refer all non-routine service issues to Aquabotix at www.aquabotix.com or info@aquabotix.com.

Safety and Operational Warnings

Assemble AquaLens PRO in a safe, dry place. Do not assemble while submerged in water or allow Aqualens PRO to get wet before it is fully assembled and enclosed in the watertight dome. Do not assemble with wet hands.

AquaLens PRO is powered by lithium ion batteries. Do not use any other type of battery or powering device for AquaLens PRO. Caution should be used when charging batteries.

Do not attempt to charge batteries in AquaLens PRO while submerged in water. Do not let the battery assembly area get wet. Do not assemble with wet hands.

The AquaLens PRO dome must be completely secured to keep it watertight. Check the security of the dome before submersion.

The topside box and LCD screen are waterproof to 10ft. depth. Do not submerge the topside box deeper than 10ft.

AquaLens PRO is meant for depths no greater than 300ft. from the water surface. Do not go beyond this depth due to limitation as operational safety is not tested and rated for such depths.

Secure all cables on board to prevent tripping hazards.

Inspect AquaLens PRO prior to use. If there is any sign of water inside the camera or housing unit or other damage, do not use. Send AquaLens PRO to Aquabotix for service.

Do not attempt to dislodge or pry foreign objects from AquaLens PRO. Send AquaLens to Aquabotix for service.

Additional Restrictions On Use

AquaLens PRO is meant for operation by adults over 18 years of age only. Keep AquaLens PRO out of the reach of children and supervise children and pets when AquaLens PRO is in operation.

Do not use AquaLens PRO in rain, rough sea conditions and/or storms.

Do not use AquaLens PRO while underwater machinery is in operation.

Do not touch AquaLens PRO to underwater marine growth. Keep AquaLens PRO clear of all underwater objects.

Do not expose AquaLens PRO to high temperatures above 40° C / 104° F; avoid direct sunlight.

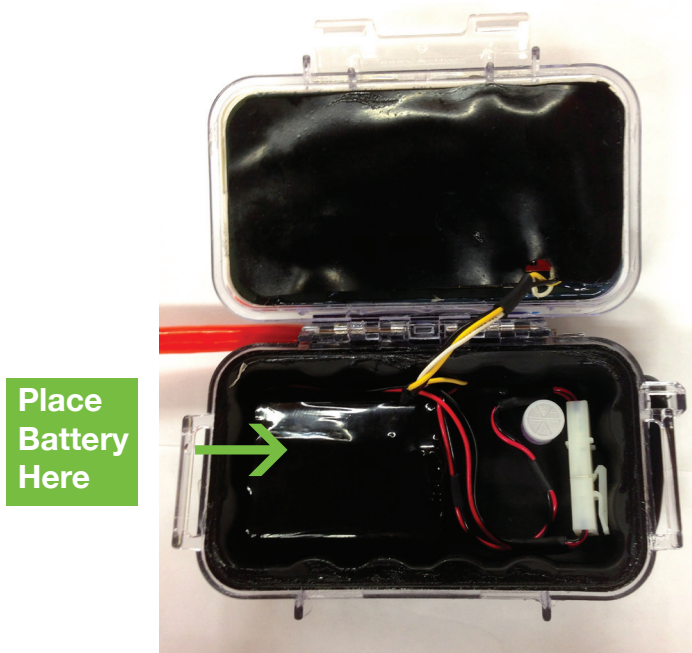
Use AquaLens PRO in the recommended operating water temperature range of 2° C / 35° F to 32° C / 89° F.

Dropping AquaLens PRO or subjecting it to strong force may damage the device and its watertight dome. Handle with care.



Failure to follow these important safety instructions and the detailed assembly and use instructions of this manual will void your limited warranty from Aquabotix and may result in serious injury or death. Aquabotix disclaims all liability arising from or caused by the failure to assemble and use AquaLens PRO in accordance with this manual, including all important safety instructions.

Caution: The electronics contained within this topside box are susceptible to water damage. The following must be done to prevent water entry; Prior to closing the lid, all water droplets around the sealing edge must be removed. When closing this lid, all wires must remain clear of container's sealing edge. Please ensure the battery is on the left side of the box when the hinge is at the top.



Please note: The sealing edge of the topside box has been treated with lubricant to keep the seal water tight. Be sure this lubricant remains clean to ensure a water tight seal. A silica moisture absorbing pack has been included in the topside box. This pack needs to be kept in the topside box at all times. It should be kept to the right of the battery and should not sit on any of the wires.

General System

Operating Voltage	- 9.6 to 12 vdc
Total System Weight	10 pounds
Owners Manual	Online Digital
Warranty	1 year limited-defects in materials or workmanship

Viewing Sphere

Depth Rating	300 ft. (91.4 m)
Size	5 in. diameter
Weight	3 pounds
Lighting	High Intensity LED

Camera

Format	NTSC
Resolution	640 X 480 pixels

Topside box

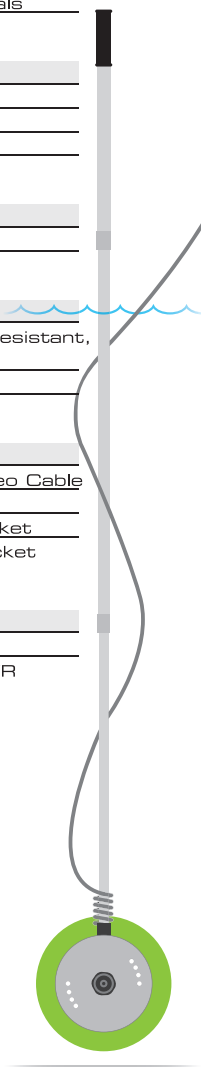
Housing	Waterproof to 10 feet, shock resistant, floats
Connector	Buccaneer Connector IP68
Monitor	3.5" inch LCD screen

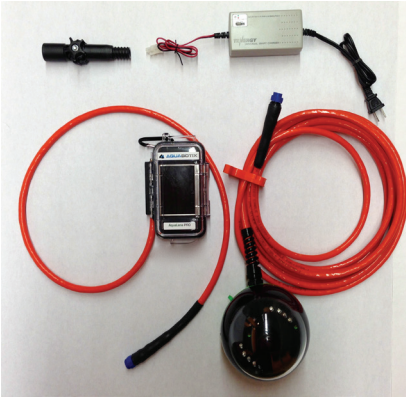
Tether

Material	Kevlar Reinforced Premium Video Cable
Breaking Strength	300 pounds
Protection	Flexible Polyurethane Outer Jacket
Connector	Waterproof (IP68) Plug and Socket with Extensions Available

Available Options

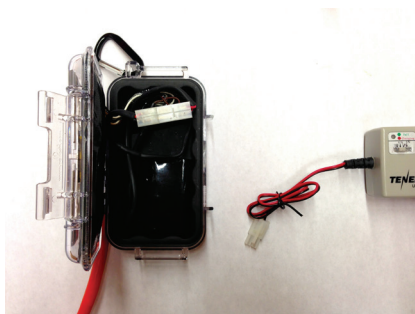
Extension Cable	Available in 50 ft. increments
Viewing Station	7" LCD Viewing Screen with DVR capability



**PACKAGE INCLUDES:**

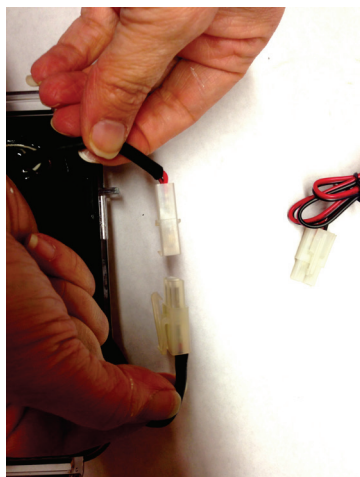
- Viewing sphere with 25 ft. of cable attached
- Waterproof topside box with cable connector
- ACME threaded angular adapter for pole mounting
- Battery charger

Your AquaLens PRO has been charged before shipment, however you should charge the unit fully before use.



CHARGING STEP 1

Unclip the topside box to access the battery pack



CHARGING STEP 2

Disconnect the cable connectors inside the topside box.



CHARGING STEP 3

Connect the clip from the battery charger to the male end of the clip from inside the topside box.

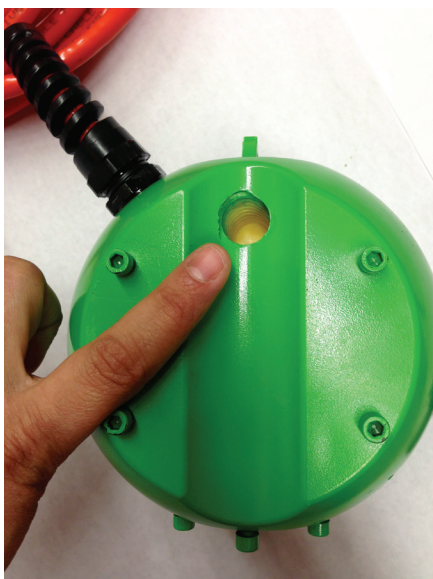
Plug the charger into a wall outlet until fully charged.



CHARGING STEP 4

When the AquaLens PRO is powered on, lights will illuminate at the top of the topside box.

All lights including green indicates good operating power.
Two lights including yellow indicates low operating power.
Only red indicates immediate need for recharge.



**POLE ATTACHMENT
STEP 1**

Locate the threaded hole in the back of the viewing sphere.



**POLE ATTACHMENT
STEP 2**

Screw in the ACME angular adapter into the hole clockwise until tight.

Now you will be ready to screw in the desired pole for use.



UNIT ASSEMBLY STEP 1

Locate the cable connectors on the cable coming from the viewing sphere and the topside box.

Please note: there is a small notch in the female connector that needs to be lined up with the bump in the male connector.



UNIT ASSEMBLY STEP 2

Insert the two ends together and twist the blue ring onto to threaded side until tight.



UNIT ASSEMBLY STEP 3

After the cables have been connected, you can power the unit by flipping the toggle switch on the topside box. This toggle switch has 3 options: Off, On or On with LED lighting.

You are now ready to use your unit.

Removing Dome

To remove dome, turn counter clockwise and remove. Use caution when handling your dome to prevent scratches and to protect clarity.

Use caution when handling O-ring to be sure the area remains clean to ensure a water tight seal.

Cleaning Dome

Using an acrylic glass cleaner, spray onto surface of dome and rub in with a microfiber cloth.

After Water Care

- 1) Rinse AquaLens PRO with fresh water.
- 2) Wipe down, using a microfiber lens cleaning cloth.
- 3) Safely store AquaLens PRO---cover dome to protect from scratches.

AquaLens PRO One Year Limited Warranty Certificate

Aquabotix warrants that, under normal use and service, the AquaLens PRO will be free from defects in material and workmanship for one year from the date of purchase by the original purchaser.

If Aquabotix receives, during the applicable warranty period, notice of defect in any product which is covered by Aquabotix's warranty, Aquabotix shall either replace or repair the product at Aquabotix's discretion.

If Aquabotix is unable to repair or replace, as applicable, a defective product which is covered by Aquabotix's warranty, Aquabotix shall, within a reasonable time after being notified about the defect, refund the full purchase price of the product.

Aquabotix shall have no obligation to repair, replace or refund the purchase or product until the customer submits an RMA form and returns the defective product to Aquabotix.

Misuse, damage caused by Warranty does not cover the following: accidental damage, damage caused by abuse or depths greater than rating, damage caused to ships, people, etc., damage caused to topside box and battery charger from submerging in water, cable damage from normal use or cutting, improper maintenance, incorrect assembly, or damage due to incorrect power connection as described in the user manual.

Consumable items including LED lights and batteries are specifically excluded from the warranty. Items subject to normal wear and tear include, but are not limited to, the lens and the outer shell which are only covered for defects in workmanship or materials.

Claims for damage, shortage or errors in shipping must be reported within three (3) days following delivery to the customer. Aquabotix is not responsible for returned items lost or damaged during shipping.

A copy of the dated receipt or bill of sale from the original end user purchase is required to determine coverage.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For further information contact Aquabotix at: returns@aquabotix.com
508.676.1000



AQUABOTIXTM

Innovation for the Underwater World

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