“QUICK START” CONNECTION DIAGRAM

1. Select a power source: either 110v AC, or 12 Volts DC. Connect the appropriate adapter to the jack on the Y-connector cable (see the diagram above).
2. Insert one Y-connector plug into the TV Monitor “DC IN” jack, and the other into the Camera 12V Connector.
3. Insert the Camera’s RCA Video Out plug into the RCA “Video” jack on the TV Monitor.
4. Set the “Charge A/V” Switch on the TV Monitor to “A/V” (center position).
5. Press the blue power-on button on front of TV Monitor. Camera is now sending a picture to the TV.

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**POWER-UP AND CAMERA TESTS**

**WE RECOMMEND** you test your system at home, before going out on the water. Familiarize yourself with the hookups and various controls, and practice the control techniques shown in this booklet.

**COLOR CAMERAS:** After completing the hookup, turn everything on. You may need to adjust the TV Monitor’s picture controls (brightness, contrast, and hue) for viewing conditions.

**INFRARED BLACK & WHITE CAMERAS:** After completing the hookup, turn everything on. You may need to adjust the TV Monitor’s picture controls (brightness and contrast) for viewing conditions. Do the InfraRed System Test, explained below.

**InfraRed System Test:** With everything connected and power on, place the camera probe inside its carrying case and close the lid. You should see no change in brightness on the TV Monitor screen. The InfraRed is working properly.

**NOTE:** SeaView® systems use “white” infrared, which appears as a normal picture on the TV Monitor but is invisible to the naked eye. Even when the camera is operating properly, you will not see a glow or other visible indication.

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**“RADAR HOOD” INSTALLATION (B & W TVs)**

The “Radar Hood” keeps bright sunlight and glare from the TV Monitor screen, eliminating picture washout.

1. **LIFT THE HANDLE** on the TV Monitor. Position the Radar Hood in front of the screen, with the round cut-out to the right, as shown here.

2. The **FOAM ANCHOR PAD** inside the hood fits into the groove under the handle.

3. **PIVOT THE HOOD DOWNWARD** until the bottom of the hood slides under the bottom of the TV Monitor.

4. **GENTLY SNAP THE BOTTOM OF THE HOOD IN PLACE** with the round cut-outs snugly over the rubber feet on the TV Monitor. This keeps the hood in place.

5. **THE TV HANDLE** can be pushed down to secure the hood. You can carry the TV Monitor while the hood is attached. Note that the tuning knob fits into the large cut-out in the hood, for tuning TV channels easily with the hood attached.

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**IMPORTANT**

TV sets are NOT WATERPROOF, and can be damaged by water droplets and spray. PROTECT ANY TV SET from condensation, spray, splashes, or standing water. READ THE SAFETY INSTRUCTIONS included with the TV from the Manufacturer, for other important information.
UNDERWATER FACTS

The SeaView® BW-150 underwater camera is the only system with "white" infrared for enhanced viewing in poor quality water. Even at night, our exclusive design gives you a readable image while bottom fishing, hunting for treasure, checking your anchor set, and much more.

INFRARED-ENHANCED VIEWING
— Only from SeaView®!

Use your SeaView to take a quick look at the bottom before starting to fish or dive. In most cases, it’s not necessary to use a separate safety cable if you are not planning on moving the boat or trolling the probe. However, we have received reports of probes being attacked by barracuda and other aggressive fish. A safety cable will help protect your investment in case a fish bites through the control cable.

The STRAIGHT-DROP METHOD, as pictured here, gives you an 85-degree wide-angle overhead view. Control the area of view by raising and lowering the probe relative to the bottom. In muddy or turbid water, visibility may be limited.

CABLE CARE

The Control-Drop Cable has a static burst rating of 600 pounds per square inch. It’s multi-core braided wire with stainless steel shield and Teflon sheathing. It’s durable and strong—but don’t forget: the underwater world is full of sharp edges that can cut like a knife.

ALWAYS USE CARE when bottom viewing or trolling at depth. Water can enter the electronics by siphoning through a cut in the cable...ruining the camera and voiding your warranty.

INSPECT THE CABLE after each use of the camera, and take immediate action if you notice any cuts or breaks in the cable case sheath.
POLE MOUNTING
Use the Pole Mounting Kit included with your camera, to mount it on any type of pole, boat hook, or gaff. The small pair of clamps fit around the pole. The large pair of clamps fit around the camera body. The camera is held at right angles to the pole. Secure the clamps with the screws and nuts provided.

THE “PUPPET RIG”
uses a steering line tied to the front of the probe. This can be monofilament, cord, or wire.

Use the control cable as a pivot point, and move the steering line left or right, to rotate the camera from side to side. Up-and-down movement of the cable, steering line, or both, gives you control of the vertical angle. With the “puppet rig” it’s possible to turn the probe 360 degrees.

HULL INSPECTIONS - Your SeaView® is perfect for inspecting under the boat. Check your through-hull fittings, prop, or rudder. Use an elbow-jointed scrubbing pole for extra angle when checking keel boards and keel pockets on sailboats.

FLATS FISHING - Mount your SeaView® to a triple-extension house-painting pole and get precise control in water up to 25 ft. deep. Use a gunwale clamp for steerable viewing of weed beds, roots, and other structures.

ANCHOR SET - Loop a line around your anchor rode and tie a bight to the camera. Lower right down the rode to check anchor set before diving or leaving for shore. Anchor fouled? Your SeaView® shows you which way to pull without damage.
THE UNIVERSAL CLAMP & ACCESSORY MOUNTING

The Universal Clamp System makes it easy to rig your SeaView® Underwater Camera for bottom viewing. And accessories such as SuperSeaLite™ and SeaLazer™ are easily mounted to the clamp for a simple, rugged installation.

**MOUNTING THE CLAMP:** Refer to the diagram at left. Place your camera probe horizontally on a flat surface. Position the probe so that the clear plastic “ears” on the electronics pod are pointing up. Lift up the probe and position the smaller “bottom” half of the clamp underneath the camera body. Position the larger “top” half of the clamp over the top of the camera body. Use the clamp bolts and wing nuts to secure the clamp. Tighten as necessary to keep the clamp from spinning or slipping, but do not over tighten. **DO NOT ATTACH THE CLAMP AROUND THE CLEAR PLASTIC PORTION OF THE CAMERA.**

**ATTITUDE CONTROL FOR BOTTOM VIEWING**
The Universal Clamp has a Cable Pass-Thru Notch (shown in the drawing, above left) for controlling the “hang angle” during drift or stationary use. Allow for a small loop of slack in the probe end of the cable, and attach the Universal Clamp over the cable to secure it. **TAKE CARE! MAKE SURE THE CABLE IS PROPERLY PLACED INSIDE THE PASS-THRU NOTCH TO AVOID CABLE DAMAGE!** Adjust the clamp forward and aft across the center of balance to change the “hang angle” as shown in the three examples above.

**12 VOLT POWER OPTIONS**
Discount stores and marine stores sell **clip-on sockets**, which connect to your boat battery with a pair of large clips. The 12 Volt power is delivered to a cigar-lighter style socket, compatible with the 12V DC adaptor supplied with your SeaView® Underwater Camera System. Since the system is very efficient, you can power the camera and TV monitor from your start battery for hours without sacrificing much cranking power. Deep-cycle batteries are also fine and will last much longer; but remember that trolling motors, fish finders and other items will also consume your battery capacity. Low battery voltage may cause erratic camera performance and a “squeezed” or shrunken TV picture.

If you operate several accessories from a marine battery, a **multi-tap socket** will expand the number of connections you can use. Your SeaView® system needs only a single 12 Volt socket, leaving two or more for other equipment. **Always protect your 12 Volt Wiring with an appropriate fuse.** Observe proper polarity when using other hookups.
Your SeaView® is designed to track in front of any lure or bait. You must secure your own towing line or cable to the Towing Eye at the fin-end of the camera. **We suggest a downrigger cable**, any other type of lightweight cable, or a monofilament line of MINIMUM 80-lb. test.

**Do NOT tow by the control-drop cable!** This can result in water damage to the electronics, or loss of your camera due to snap-shocks which exceed the burst strength of the steel core. **ALWAYS** check to make certain that any pressure or strain will be on the tow line and NOT on the control cable.

**Special Note:** When trolling at speeds greater than 3 knots, the unit must be attached to a downrigger, or additional weight. The best method is to hook the downrigger ball directly to the Towing Eye.

**In heavy seas or at faster trolling speeds, the unit may destabilize.** Adjust the distance from the camera pickup to the lure or bait for best viewing on the TV Monitor.

**There are many variables in trolling.** Plan on experimenting until you get the results you like best. When tracking ahead of lures and baits, you can attach a release clip to the ears on the camera pod, allowing your line to free itself once the fish strikes.

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**OTHER VIDEO SYSTEMS**

Your SeaView® Underwater Camera is compatible with any TV, VCR, or camcorder with a standard “RCA” type input jack. This is “line level” video as opposed to “RF” or “Antenna” video. The video signal is unmodulated, composite, and conforms to the NTSC (North American) standard.

**The Big Picture:** Although picture quality is good on the standard 5-inch TV monitor, you’ll notice even more picture detail when viewing on a larger TV set. You may already own an AC-DC “combo” TV with built-in VCR, for watching TV and movies while aboard your boat. This type of set is ideal, since you can easily record your underwater experiences for playback later (see below).

**The SeaView® web site** (www.seaview.com) has further instructions on using the camera with foreign video standards, such as PAL and SECAM.
All SeaView® cameras deliver a video signal to the RCA plug at the end of the control cable. The video plug will feed any camcorder, TV, or VCR with an input labeled “A/V in,” “video in,” or similar.

**CONNECTING MULTIPLE INPUTS:** It is possible to connect your SeaView® camera to more than one input. This is known as the “loop thru” method. Plug the camera into the input of the first device (usually your VCR). Connect the output of that device to the input of the next device (usually the TV monitor). The video signal is passing through the first device and on to the next one. You can use the “loop thru” method to hook up several monitors or VCRs...but we recommend a maximum load no greater than three separate pieces of equipment. Otherwise, picture quality will suffer.

You can also use a Y-adapter to connect other TVs and VCRs. You will get adequate picture quality when using a single Y-adapter to connect other TVs and VCRs. You will get adequate picture quality when using a single Y-adapter, but we do not recommend using more than one. If you need additional connections, use a Y-adapter in combination with the loop-thru method.

**CAMCORDERS with VIDEO IN:** Not all camcorders have this feature! We have learned that some of the Sony HandyCam cameras do accept video from an external source. Other brands which offer this feature: Sharp ViewCam (video 8) and some JVC models (compact VHS-C and S-VHS-C). Some models may require a special A/V cable to activate the video-in function.

These camcorders generally have a master switch (see above) that reads “camera” and “VTR.” When using the video-in function, most of these units must be set to the “VTR” position. (The “camera” position will only record what comes through the camcorder’s lens.) Set the Switch to VTR and press the “record” button on the VTR panel (not the red button on the camcorder). You should be able to see the video from the SeaView® camera, either in the eyepiece of the camcorder or the flip-out screen (if your camcorder has one). Ask your camcorder dealer to explain the basics of VTR operation as they apply to your particular make and model of camcorder.

**ADDITIONAL INFORMATION** is available on our web site: [SeaView.com](http://www.seaview.com)
SeaView® Camera Probes are factory sealed and need no adjustments. **DO NOT ATTEMPT TO OPEN THE HOUSING! THIS WILL VOID YOUR WARRANTY!**

Your SeaView® Underwater Camera is guaranteed against leakage and defects for one year from date of purchase. Should you require warranty assistance, you will need to give us some information about your purchase. You will find this information on the forms included with your system. This area is provided for your convenience, to keep the information handy.

SeaView® Model
- BW-150 FULL SIZE BLACK & WHITE
- BW-150 WITH COLOR OPTION
- CL-300 TWINCAM
- MS-50 MINI BLACK & WHITE
- MW-150 WITH COLOR OPTION
- UPGRADE CBLE (300 FT. UPGRADE)

YOUR ORDER NUMBER: __________________________ DATE DELIVERED TO YOU: ____Month ____Day ____Year

DEALER’S NAME: ____________________________________________________________________________________________

It is our policy to promptly replace or repair any defective unit within the terms and conditions of our warranty. We believe that “word of mouth advertising” is the key to the success of any company, and we stand by this commitment. Your Authorized SeaView Dealer is the nearest source of help and warranty assistance. To obtain warranty assistance from the manufacturer, telephone us at 727-866-3660, e-mail to tech@seaviewresearch.com, or fax your request to 727-866-0813. You can also write to us:

SeaView® Video Technology, Inc.
200 Madonna Boulevard
Tierra Verde, FL 33715.

**SeaView® LIMITED WARRANTY**

Your SeaView® Underwater Video Camera is guaranteed for 12 months (one year) against manufacturing defects in material and workmanship. The electronics (CCD camera) is warranted for 180 days (6 months). **During this period, any repair or replacement required as a result of such defects will be made free of charge.** Should service be required, return the product to your Authorized SeaView® Dealer, or return the equipment prepaid to the Company, at the specified address. All returned materials must be packed securely with adequate protection against shipping damage. You must enclose proof of purchase (sales slip) and any information relating to the problem and how it occurred. To ensure prompt and efficient handling of your service request, you must obtain a Return Authorization Number prior to returning any equipment to us. **This warranty does not cover accessories nor does it apply to a damaged or broken case, probe body, camera enclosure or electronics. Any obvious attempt to remove the camera case cap (“lens cap”) will void this warranty.** Removing the cover will release the gas charge, and result in damage to the electronic circuits. The unit is sealed at the factory and is not field-serviceable.

This guarantee is in lieu of any other warranty either expressed or implied. Any and all warranties of merchantability and/or fitness for a particular purpose are expressly disclaimed and excluded by SeaView® Video Technology, Inc. In no event will the Company be liable to you or any other person for indirect or consequential damages arising from the inability for use of this product or incompatibility with any other product or breach by the Company of the Limited Warranty contained herein.

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