

Tips



Models 301, 302, 310, 311, 320 & 321

The information below is in addition to the information contained in the USER MANUAL. The USER MANUAL contains set up instructions and other valuable information on how to have the best results when utilizing each model of the Camera Mask.

The information below may be updated periodically.

Tips:

SET UP

Before the first day of use and before each subsequent use, you should set up your Camera Mask to check that you have all the parts and that everything is working properly. You can watch videos online for setting up the camera.

<http://www.liquidimageco.com/support/index.html>

TEST

Test your camera before an important event or outing. The more familiar you are with using your Camera Mask, the better results you will have. Tests are best performed in an outdoor pool on a sunny day. This will give you more control and appropriate lighting. You can watch some videos online for testing your mask and using the crosshairs. Consult your USER MANUAL for additional information.

<http://www.liquidimageco.com/support/index.html>

ENVIRONMENT & LIGHTING

The product is optimized for underwater on a sunny day, so above water images and videos may not be as good as you anticipate. Indoor photos or videos will rarely turn out due to the artificial or low lighting. Be aware that bad visibility underwater will equal bad visibility in your photos and videos. Murky conditions will produce bad results for photos or videos. Night dives may produce clearer videos than what is anticipated, provided that the diver is using a wide beam, bright torch/underwater flashlight.

OPENING COMPARTMENTS

Open caps in an indoor environment. When you are in an area of high humidity, it is best to open in an air-conditioned room. If moisture from humidity is introduced into the Camera Mask, you may experience fogging on the Camera lens, especially when the Camera Mask goes from the warm outdoor temperature to the cool water. Fog on the lens of your camera can cause blurry images. You may notice this on part of a video, and find that it clears up later in the video after the camera has been in the cool water for a period of time. If this should happen, turn on the air-conditioning in your room, open the compartment caps and allow it to dry out with constant air-conditioning for the night. If you open the memory compartment or the battery compartment on the beach or on a boat, you may introduce moisture, salt, sand or other debris into the Camera Mask, making it more vulnerable to corrosion and to leaking.



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MASK FOG

Fog on the eye lenses of a snorkel mask or a dive mask is a common problem. Treating the inside of your mask with toothpaste is a common practice for defogging a mask before diving or snorkeling. Apply white toothpaste (not gel). Put some on the inside of each of the eye lenses of the goggle. Rub it in for about 5 minutes, then rinse it off completely. You will probably want to reapply before each outing. It is also common to use 30-50% baby shampoo mixed with water. Baby shampoo is used because it does not sting your eyes. Boat operators often supply this. Shake it up and squirt it on the goggles with a squirt bottle. Some people do a quick rinse in a bucket on the boat. If your mask floods while underwater, the fog will return. If you leave a little water inside the mask after it floods, it will move around and help you to see more clearly. You may also purchase commercial defog.

MEMORY

Consult your USER Manual to estimate file sizes and the amount of memory you will need to record your planned activities. Take 1-2 extra micro SD/SDHC cards (beyond what you plan to use) in case you are not downloading files to a computer while traveling. If you decide to record more, or if one of the memory cards fails, you will have a back up. You will not be able to delete the files unless you connect to a computer. Memory cards are usually more expensive when you reach an island or the beach and they may be difficult to find. Using a 2GB or 4GB micro SD/SDHC cards will probably be sufficient for each excursion, unless you plan to record for greater than 2 hours without downloading or changing memory cards. Some computers have difficulty reading the SDHC cards in the SD card slot, especially older computers. A USB SD/SDHC card reader is the most reliable downloading device of SD cards and is the fastest. Downloading via the USB cable will be slower.

POWER

Consult your USER Manual to estimate battery life. The lithium batteries should last through a couple of 1 hour water excursions. It's a good idea to bring an extra set of Energizer lithium AAA batteries, per day of water activities. Lithium batteries last about 8 times longer, so please use them over Alkaline. You will be less likely to lose power while you are underwater. The battery power consumed will depend on your model. It is recommended to put in fresh lithium batteries before important dives. If your battery power is too low, your camera may freeze or turn off. You will lose any video being recorded when your camera stops working. A battery meter may be used to help estimate remaining battery life more precisely.

VIDEOS

Video often yields better results underwater than photos since the environment is so dynamic. You are moving, other people and fish are moving, so you never know exactly when something is going to pop into frame. NOTE: head movements side to side are going to produce undesirable videos that will need more editing. Slow steady movements forward or holding still and letting your subject do the moving, will give you the best results. If you are scuba diving on a wall reef, and you are vertical in the water, keep in mind that the bubbles are more likely to shake the mask and appear in the video.

PHOTOS

The camera mode is a point and shoot, fixed focus camera and is priced to meet recreational



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needs. For best results, take photos in shallow, clear and calm water on a sunny day. If you have utilized a more expensive camera, especially a high end underwater camera system that has a large housing and strobes, please do not expect to get the same results on the photos from our camera. Our camera is not intended to replace the high end or professional gear. It is intended to be easy to use and less distracting than the hand held cameras. Some underwater photographers choose to record videos on our mask while taking photos with their expensive gear. They also consider it a backup camera in case their primary camera malfunctions or is dropped and lost underwater.

LIGHTS & FILTERS

Color is lost quickly underwater as you descend, because the water filters out the natural light. Red is the color diminished most underwater. When snorkeling on a sunny day, you usually have enough light to record most colors. To capture colors while Scuba Diving, or free diving you will need filters or lights depending on your depth and the amount of natural light available. During night time activities, you will need a torch/underwater flashlight.

HD PLAYBACK - (for Camera Masks that record HD)

Please note that not all computers are built for HD file playback. You will need to check your computer to see if it can play HD files. You may download the unedited file from our website to test your computer's ability to playback an HD file recorded from our Camera Mask. Or test a file you have recorded with your Camera Mask.

<http://www.liquidimageco.com/products/cameras/320/index.html>

Click on the **Video** Tab at the bottom of the page,
then click on **UNCOMPRESSED RAW VIDEO FOR ACTUAL QLTY - DOWNLOAD LINK**

The HD files will most likely be opened with Quicktime or another video program that can play HD files. Newer computers should not have problems. But, older computers and low end computers will show the video as choppy and not a smooth 30 fps rate. It is best to use a computer that was designed to play HD videos and other graphic intensive files. Playing the video from the Camera Mask via the USB cable will be choppy and not as smooth as playing the HD video file directly from your computer. For smooth playback, download the HD video files to your computer prior to playing the video.

Alternatively, you may hook up the Camera Mask to an HD TV using the RCA/USB cable to test the playback of the file.

COMMON QUESTIONS and TROUBLESHOOTING

Read our Common Questions and Troubleshooting to help answer any questions that might come up while traveling. You might want to print these documents out and carry them with you.

EMAIL

If you have a question that is not answered by our SUPPORT or FAQ documents, please send us an email: support@liquidimageco.com