iVUE

HORIZON PRO

1080P HORIZON PRO USER MANUAL
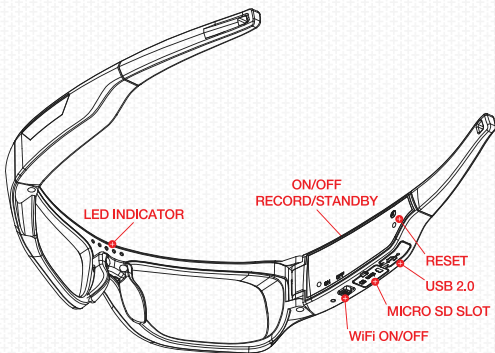
PRODUCT MANUAL

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ON/OFF
RECORD/STANDBY

LED INDICATOR

RESET

USB 2.0

MICRO SD SLOT

WiFi ON/OFF

⊙ PRODUCT OVERVIEW
FEATURES & ADVANTAGES

1080P 30fps | 720P 60fps
Shoot amazingly clear HD videos. You can set your desired video resolutions and frames rates.

One-Touch Recording/Standby Mode With Audio Alert
Easily start recording and put in Standby Mode with a touch of a button. In addition to a recording and standby indicator light, the glasses beep to alert when the glasses are turned on and when they are being turned Off.

Removable Storage
The Horizon Pro is equipped to fit a Micro SD Card. So start with an 8GB card & when you require more memory, go big, the iVUE supports up to a 32GB card (we recommend at least a class 6).

Weather Resistant Frame
Designed to withstand conditions like light rain and sweat.

90° Wide Angle Lens
Capture all of your view with a 90° wide angle lens without any distortion. Great for action sports and activities.

Change Video Settings
Includes the ability to change video settings like quality, audio, exposure, saturation, sharpness and more!

WiFi On/Off Switch
Switch the WiFi On to see live view mode on the iVUE Camera App. Let others see what you are seeing in real time.

⚙ BASIC OPERATION

Charging

Before using your iVUE, it is recommended that you fully charge it using the supplied charging cable. For peak performance, charge the battery for a full 3-4 hours. Please do not charge longer than 12 hours.

- You can charge the glasses with a USB wall charger or through a computers USB port.
- Charging indicator light is located directly above the nose bridge on the glasses.
- Computer: Blue light illuminates for 3 seconds after being connected to the computer then turns off.
- Wall Outlet: Blue light illuminates after being plugged in. Blue light will turn off after 3 seconds.
- When fully charged, the Reset light will turn off.
- Make sure glasses are turned off while charging
- For best results, only use the provided charging cable.
- If unused for long periods of time, make sure to charge your iVUE Camera glasses fully before using it again.

Power On/Off / Recording / Standby Mode

- The power/record/standby are the same button which is located on the right temple.
- Power On your glasses by pressing the button located on the right temple for 2 seconds and let go; glasses will indicate power On with a short beep.
- Once On, glasses will begin recording.
- While recording, the recording indicator light will flash blue.
- To stop recording, push the record button once, this will place glasses in Standby Mode. While in Standby Mode, the blue indicator light will remain on. To record again, press the button. Glasses will indicate they have transition into record mode by beeping twice followed by the flashing blue indicator light.
- To turn Off, press and hold the button for 2 seconds and let go. Glasses will indicate the power down function with a long beep.
- Each time you start/stop recording a new video file is created. NOTE: to limit video size, the glasses will automatically save a video file every 25 minutes.
- NOTE: Make sure SD card is inserted before recording.

Auto Shutoff

If the battery is low or there is no free memory, the device will save the current file and beep as it powers down.

Reset

There is a reset button located directly above the USB port of the glasses. Use a tip of a pen (or other fine tip object) to press the button in fully. This will reset your iVUE's back to the manufacturer default. Also, if the glasses malfunction or are no longer recognized by a computer, try resetting. Resetting will not delete recordings.

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⚙ SETUP

Turn On/Off The Time/Date Display (Using Computer)
1. Connect your iVUE's to the computer while turned off (With SD Card Inserted).
2. Open "Setting.txt" from the root folder of the glasses.
3. First change "UPDATE:N" to "UPDATE:Y" then refer to line item "RTCDisplay". Set to "0" to turn Off time stamp or set to "1" to turn On time stamp.

Note: This can also be done using the "iVUE Camera" iOS/Android app.

Setting Current Time/Date (Using Computer)
1. Connect your iVUE's to the computer while turned off (with SD Card inserted).
2. The iVUE's will automatically connect to your computer as a removable drive.
3. Open Notepad (Windows) or TextEdit (Mac) and create a new text file.
4. Input the local true time according to the following form, for example: The present time is: 09:08:07, October 6th, 2014, so the input would be: 2014 10 06 09 08 07 (spaces are required between each set of numbers)
5. Save the new document as "settime.txt" in the root folder of the device. Make sure it is a plain text file.

Note: This can also be done using the "iVUE Camera" iOS/Android app.

Change Video Settings
Connect the iVUE's to the computer via USB (with SD card inserted). Next, locate and open the file "Setting.txt". First change the line that reads "UPDATE:N" to UPDATE:Y" or your settings will not be saved after you change them. Make your changes and then save the file and disconnect the glasses. The next time you record a video, your new settings will take effect.

Manufacturer Default Settings

EV:6	AudioVol:1
LIGHTFREQ:1	RTCDisplay:1
VideoSwitch:0	BuzzerAlert:1
SHARPNESS:1	QUALITY:0

Settings Explained
- **Exposure (EV): 0-12 def:6**
  Adjust exposure down in bright/sunny conditions. Adjust exposure up in dark/cloudy conditions.
- **Sharpness (SHARPNESS): 1-2, def:1**
  0:Normal, 1:Fine, 2: Super. Increase or decrease the sharpness.
- **Quality (QUALITY): 0-2**
  Change the video quality. 0=High, 1=Middle, 2=Low
- **Light Frequency: (LIGHTFREQ): 0-1**
  1:60Hz, 0:50Hz
- **Audio (AudioEnable): 0-2**
  0:Max, 1:Mid, 2:Min, 3:Off
- **Video Mode (VideoSwitch): 0-1**
  0=1080P, 1=720P (**Note:** This can also be done using

the "iVUE Camera" iOS/Android app.)
- **Buzzer Alert (BuzzerAlert): 0-2**
  0:High, 1:Middle, 2:Low
- **Time Stamp Display (RTCDisplay): 0-1**
  0=Off, 1=On

PLAYBACK

Method 1 - Connecting iVUE's to Computer
1. Connect the device to the computer while turned off.
2. The glasses will mount as a drive on your computer.
3. Open the drive; locate and open the "DCIM" folder.
4. Video files can be transferred onto your computer by copying and pasting or dragging and dropping the files into selected folders on your computer.
5. Double click to open a selected video with your default player. (QuickTime users, make sure the latest version is installed.) NOTE: If you have trouble getting video to play. We HIGHLY recommend downloading VLC Player in order to playback the videos on your computer.
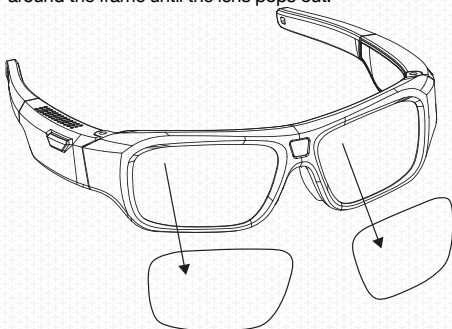
Method 2 - Remove SD Card
1. Remove SD card from glasses
2. Insert SD card into card reader (purchase separately)
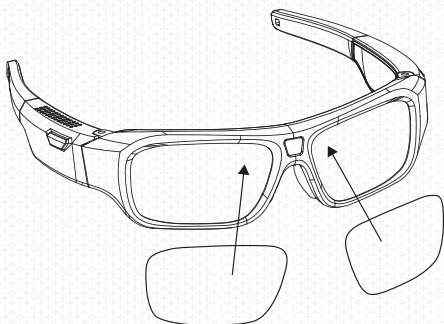3. Open drive on your computer and follow steps 4 & 5 (above)

CHANGING LENSES

Removing
Hold the frame with two hands and with both thumbs gently push down and in on the lens, starting with the bottom outside edge of the lens; then work your way around the frame until the lens pops out.

Inserting Lens
Hold the frame and gently insert the lens in beginning by starting in the back next to the nose bridge, then finish by pushing in the other end.

iVUE CAMERA APP OVERVIEW

App Features & Settings
- Download the app in the Apple App Store or Google Play by searching "iVUE Camera".
- The Live Preview button is located at the top of the App's Home screen giving you real time viewing from your iVUE Camera glasses.
- Recordings can be saved to your phones memory by accessing the download icon. In this menu, you can view all the recordings contained on the glasses SD card. You can select the videos you want to save to your phones memory.
- All saved recordings can be accessed by pressing the media icon located at the bottom left on the Home screen. This takes you to your cache of videos stored on your phone.
- Once connected you can live preview/record/pause directly from the App by pushing the Live Preview button.
- At the bottom right of the Home screen you have access to the App's Settings; there you can formate the SD card, Delete Cache's, and manage the App's General Settings.

For full App instructions visit www.ivuecamera.com/app

WiFi PAIRING

Connecting WiFi (Note: You will need to download the **FREE *iVUE Camera App*** to use this function.)
1. Turn the WiFi switch to the On position located at the bottom of the right temple.
2. With the wifi switch in the on position, turn the glasses on. They will automatically start recording, click the operation button once to enter standby mode. While in standby mode you can operate the app.
3. Once WiFi is switched On, turn to your phone's WiFi settings and choose the WiFi Network *Horizon Pro*. (*Network Password*: 12345678) *Once connected to the Horizon Pro network;
4. Open the *iVUE Camera App* you previously downloaded from the App Store for iOS users or

Google Play Store for Andriod users.
5. Once you are in the iVUE Camera App's home screen, press the Live Preview button to begin viewing the WiFi connection.

⊙ TECHNICAL SPECIFICATIONS

Dimensions	170mm*48mm*170mm (unfolded)
Physical Weight	67g
Video Resolution	1920x1080P@30FPS 1280x720P@60FPS
USB	2.0 (HS)
Video Format	Mov/H.264
Field of View	90° Wide Angle Lens
Image Sensor	CMOS
Power Consumption	WiFi Off <1.5W ; WiFi On <2.5W
Power Adapter	5V DC/1A
Power Supply	550mAh Lithium Ion Battery
Storage Memory	Supports Max 32GB SD Card
Battery Life	~1 hour
Operating Temperature	32° - 104° Fahrenheit
Storage Temperature	0° - 150° Fahrenheit
Operating System	Mac & Windows (plug-n-play)

⊙ TROUBLESHOOTING

Symptom	Possible Reason	Solution
Won't Start Recording	Dead Battery	Recharge Battery
	Device is Frozen	Hit Reset Button
Shutting off Automatically	Low Battery	Recharge Battery
	Memory Full	Clear Off Memory Card

Computer Won't Recognize	Glasses Are Turned On When You Plug Them into a Computer	Make Sure Glasses Are Turned Off When You Plug Them In.
	USB Cable is Defective	Get a Replacement Cable
	USB Drivers Aren't Running Properly	Reset/Reboot Computer
	Device is Frozen	Hit Reset Button
Glasses Won't Respond/ Record	Glasses Software Needs Reboot	Hit Reset Button
Video Won't Playback on Computer	No Video Playback Program Will Work	Download VLC Player. We recommend this above all playback programs.

⊘ SAFETY AND WARNING

File security This product is not a professional storage device. It does not guarantee the integrity and security of saved files. Please back up your important documents on the computer or other storage device.	**Application** Abide strictly to relevant regulations and laws. This product should not be used for any illegal purposes. The user is fully responsible for its operational use.
Proper use of eyewear Warning: This eyewear is not designed to protect the wearer from injury in the event of impact with hard objects. Sunglasses must not be used for night driving. To avoid damage to optical devices do not expose the camera directly to strong light, such as the sun or strong artificial light sources. Sunglasses are not recommended for industrial protection.	**Battery** Do not attempt to remove the battery. (Note: Battery disposal must be in accordance with local environmental regulations. See "RECYCLING" below.) If the recording function has not been used for lengthy period, charge it fully before using.
WARNING: Do not attempt to dismantle the device. Any attempt to alter or repair the unit, except by the original manufacturer or an Authorized Service Facility, will void the limited warranty.	**WARNING:** Don't expose to excess moisture. Although the device is water resistant design, operation can be affected in excessively humid environments – it is not completely waterproof.

Recycling	Cleaning
Please contact your local corporate office for recycling/disposal information for this product. Do not dispose with household waste.	Avoid using it in excessively dusty environments. Use a normal lens cleaning cloth to clean the lens.
Operating temperature:	**Other matters**
32-104°F. To extend the unit's lifespan it is best used at room temperature.	Do not use it close to magnetic or high electric currents.

⟳ 1-YEAR WARRANTY

The limited warranty set forth below is provided by iVUE Camera with respect to ALL iVUE Camera brand products purchased. The iVUE Camera brand products purchased with this limited warranty are the only products which this limited warranty provided by iVUE Camera apply. Any iVUE Camera brand product, when delivered to you in new condition in its original packaging, is warranted against material defects and workmanship for a period of one year from the date of original purchase. Defective units returned to iVUE Camera and proven to be defective upon inspection will be replaced with a unit that has similar or more advanced features as our technology progresses. This limited warranty covers all defects encountered in normal use of ANY iVUE Camera brand product and does not apply in the following circumstances:

A. Loss of or damage due to abuse, mishandling, improper packaging by you, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed in the user manual or services performed by an unauthorized iVUE Camera dealer. Additionally, water damage, sand/dust/corrosion damage, damage due to impact, scratches, abrasions or damage to the housing, or other accidental damage to any other accessories that has been determined to have resulted from misuse, abuse or failure to operate the units as set forth in the operating instructions.

B. Use of any parts, accessories, or supplies other than those sold by an authorized iVUE Camera dealer in conjunction with any iVUE Camera brand.

Questions, Comments or Concerns?
Please email us at support@ivuecamera.com or call us at 208.392.1169