SWAMI

IZZO GOLF

User Manual

TABLE OF CONTENTS

Thank You for Choosing Swami Swing Cam

The Swami Swing Cam allows you to record, analyze & improve your golf swing anywhere! It's a perfect practice companion at home or on the course. Sync your recordings with the free app to review and analyze your swing plane and alignment lines in slow motion.

Warranty / Return Policy

The SWAMI SWING CAM is warranted to be free from defects for up to (1) year from your purchase date. Software updates are free of charge. IZZO will replace any defective unit within the warranty period. Please call Swami Support at 800-777-7899 to request a Return Authorization. All defective product must be returned to:

IZZO Golf
1635 Commons Parkway
Macedon, NY 14502

Please include a note with your Name, Address, Phone # and the Return Authorization #. Your replacement SWAMI SWING CAM will be shipped once we receive and diagnose the returned unit.

CONTACT
PHONE: 1.800.284.1220
EMAIL: SALES@IZZO.COM
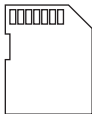WEB: WWW.IZZO.COM / WWW.SWAMIGPS.COM

1. Basic Specifications

MCU	NOVATEK NT96658
Sensor	IMX323
Lens	Six glass lenses
Aperture	F1.6
Wide angle	95°
Resolution	1920x1080
Encode	H.264@1080P 30fps H.264@720P 60fps
Video format	H.264, MOV format
Pixels	2 million pixels
Storage	MicroSDHC class 10 or above, 64G max
LCD	2 Inches
Voltage	DC 5V
Current	450mA
Standby current	≤3mA
Li-ion battery	3.7V 500mAh
Li-ion battery cycle life	300 times

Li-ion battery Charging time	2-3 hours
Swing Cam Battery Life	1 hour
Storage temperature(°C)	(-20 °C - 70 °C), (-4°F - 158°F)
Working temperature(°C)	(0 °C - 45 °C), (32°F - 113°F)
Working humidity (RH)	15%-60%RH
WIFI	802.11b/g/n
Waterproof rating	IPX0

Includes:

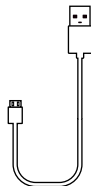Swami Swing Cam   8 GB Micro SD Card (installed)   Bag Mount   Carry Case   Charging Cord

2. Getting Started
2.1 Button Layout

Button 1. [POWER] *HOLD* to turn On/Off

Button 2. [UP] Arrow: Use to scroll up

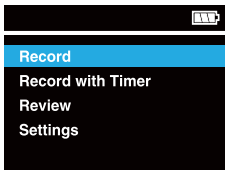**Button 3. [DOWN] Arrow:** Use to scroll down

Button 4. [OK / BACK]: *PRESS* once to select option, *HOLD* to return to previous screen

Button 5. [RECORD]: *PRESS* to start/stop recording

2.2 Power On/Off

• *HOLD* **[Power]** (button 1) to turn on or off. A chime will be emitted and the IZZO Golf
  logo will appear on the screen when powered on.

2.3 Main Screen

- The Main Screen displays 4 options to select: record, record with timer, review, & settings

  - **Record:** When selected, the Swing Cam will begin recording when the **[RECORD]** button (button 5) is pressed and will continue recording until the record button is pressed again. This mode records in 1280x720x60fps.

  - **Record with Timer:** This mode allows the Swing Cam to record in timed intervals. The user can select recording intervals of 5 seconds, 10 seconds, & 15 seconds with 5 seconds between each recording period. This mode records in 1280x720x60fps.

  - **Review:** View previous recordings. You can delete videos while in this option

  - **Settings:** Set the date/time, adjust the volume, and select WIFI from this option

2.4 Selecting Options

- To select an option on the Main Screen, use the **[UP/DOWN]** (buttons 2&3) to scroll up or down to desired option. Once option is highlighted, *PRESS* **[OK]** (button 4) to select.
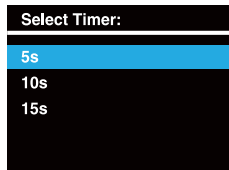
2.5 Returning to Previous Screen

• To return to the previous screen at any time, *HOLD* **[OK]** (button 4) until previous screen is displayed.

2.6 Record Mode

• From the Main Screen, scroll to "record" using the **[UP/DOWN]** buttons (buttons 2/3) until "record" is highlighted. Next, *PRESS* **[OK]** (button 4) to select.

• The device will go into "camera mode" but will not begin recording

• In order to start recording, *PRESS* **[RECORD]** (button 5). The Swing Cam will begin recording with the amount of recording time available on SD Card displayed in the middle of the screen. The Indictor light below the screen will be green.

• The Swing Cam will continue recording until the **[RECORD]** button (button 5) is *PRESSED* again.

• When you have stopped recording and want to return to the Main Screen, *HOLD* **[OK]** (button 4) until the Main Screen appears.

• **NOTE:** A single recording period can't exceed 4 GB (≈39 minutes) of file size. The Swing Cam will automatically stop recording if you have reached the maximum file size for a single recording period. The user will need to press record again to resume recording.

2.7 Record with Timer

• From the Main Screen scroll using **[UP/DOWN]** (buttons 2/3) to "Record with Timer" until highlighted. Then **PRESS [OK]** (button 4) to select.

• The next screen will display the duration of recording options. Choose between 5 seconds, 10 seconds, and 15 seconds recording intervals. All options will have 5 seconds between each recording period. Scroll using the **[UP/DOWN]** buttons (buttons 2/3) and select the option by **PRESSING [OK]** (button 4).

Select Timer:

5s
10s
15s

• Once a time has been selected, the Swing Cam will go into "camera mode" but will not begin recording. To start recording, **PRESS [RECORD]** (button 5). The Swing Cam will begin counting down and start recording in 5 seconds after the record button is pressed.

Timer Mode

Get
2
Ready

• The Swing Cam will now record for the selected interval and will keep repeating the process of counting down from 5 seconds and recording. A "beep" will occur at the beginning of each recording.

• To stop recording, **PRESS [RECORD]** (button 5). The recordings are automatically saved. Select "review" from the main screen to view previous recordings.
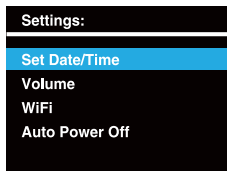
2.8 Reviewing Recorded Videos:

• From the Main Screen, scroll to "review" using the **[UP/DOWN]** buttons (buttons 2/3) until "review" is highlighted. Then *PRESS* **[OK]** (button 4) to select.

• The next screen will display a list of recorded videos in order of recorded date & time.

• Use the **[UP/DOWN]** buttons (buttons 2/3) to scroll to the intended recording for review. Once highlighted, *PRESS* **[OK]** (button 4). The video will appear but will be paused. In order to play video, *PRESS* **[RECORD]** (button 5).

• To pause the video during review, *PRESS* **[RECORD]** (button 5).

• If you would like to delete the video after or during viewing, *HOLD* **[RECORD]** until the video is deleted. The next recording will automatically appear.
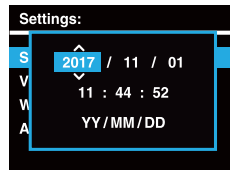
2.9 Delete Recorded Videos from Swing Cam

• From the Main Screen, scroll down to "review" using the **[UP/DOWN]** (buttons 2/3) until "review" is highlighted. Then *PRESS* **[OK]** (button 4) to select.

• The following screen will display the recorded videos in order of recorded date & length on recorded video measured in seconds.

• When the recording you intend to delete is highlighted, *PRESS & HOLD* **[RECORD]** (button 5). until "Delete Current" screen appears.

• Select "OK" to delete, or scroll to "cancel"

- Another option to delete a video: while you are viewing a previous recording, *PRESS & HOLD* **[RECORD]** (button 5) until the video being viewed disappears. The Swing Cam will automatically advance to the next video.

- If you have deleted all recorded videos and a blue box with "no image" appears on the Swing Cam screen, *PRESS* **[OK]** (button 4) 2 times.

2.10 Settings

Settings:

Set Date/Time
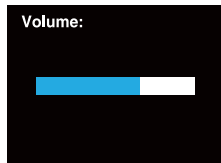**Volume**
WiFi
Auto Power Off

- From Main Screen scroll using the **[UP/DOWN]** buttons (buttons 2/3) to "Settings" until highlighted. Then *PRESS* **[OK]** (button 4) to select. Scroll and select a setting you would like to change.

  - **Set Date/Time:** Use the **[RECORD]** (button 5) to shift the selected date or time you would like to change. Use the **[UP/DOWN]** arrows (button 2&3) to change the date/time. When the Date/Time is correct, *PRESS* **[OK]** (button 4).

Settings:

S
V
W
A

2017 / **11** / **01**

11 : 44 : 52

YY / MM / DD

2.10 Settings (continued)

- **Volume:** Adjust using the **[UP/DOWN]** arrows (button 2&3). When correct, *PRESS* **[OK]** (button 4).

- **WIFI:** This setting allows the device to be linked to WIFI. This allows previously stored videos to be uploaded to the Swing Cam app. To exit WIFI Mode screen, *HOLD* **[RECORD]** (button 5) until the device goes into "camera mode". To return to the Main Menu, *HOLD* **[OK]** (button 4).

- **Auto Power Off:** When enabled, the Swing Cam will power off after 15 minutes of no use.

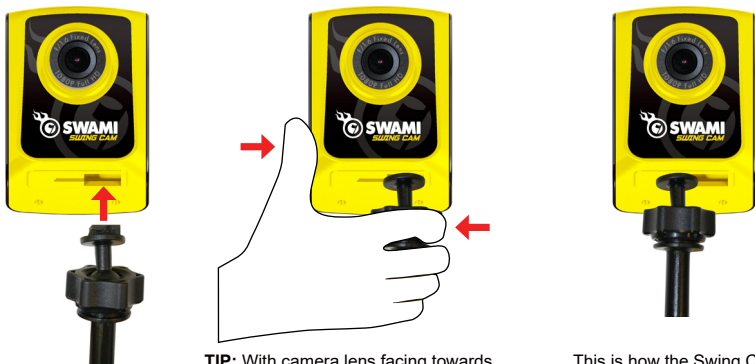- *PRESS & HOLD* **[OK]** (button 4) to return to Main Screen.

2.11 Charging

- Simply plug the charging cord into Swing Cam. The indicator light below the screen will be red when the device is charging.

- The red light will turn off when the unit is fully charged

- **NOTE:** If Swing Cam is off and charging cable is connected, the device will turn on and "main Screen" will appear. When the Swing Cam is unplugged from charging, the "Main Screen" stays on screen for 3-5 seconds and the device will power down. The Swing Cam must be powered on for use after.

2.12 Attaching Mount

STEP 1: On the bottom of the Swing Cam is a T groove which accepts the T slot on the Swing Cam mount. Slide the T Slot from the bag mount into the groove on the bottom of the swing camera **(this may require a generous amount of force).**

TIP: With camera lens facing towards you, push camera to the right with your thumb and pull the mount to the left using your index and lower fingers.

This is how the Swing Cam will look when the stand end is attached correctly.

STEP 2: Next, thread the collar onto the mount until the collar is tight. This collar can be loosened and tightened to adjust the angle of the swing camera when the mount is clipped to a bag.

3. Swing Cam App
3.1 Pairing Swing Cam with App

NOTE: The Swing Cam can only pair to your device via WIFI. The maximum range between your paired device and the Swing Cam is 60 feet.

1. First download the "SwingCAM" app from the app store onto your device. The app title is case sensitive. The app will only be found by searching "SwingCAM".

2. Next, on the Swing Cam, select WIFI under settings.

3. After the WIFI symbol appears on the swing cam unit screen, go to the list of available WIFI's on the device you are pairing the swing cam to.

4. Under the list of available WIFI's, "Swing Cam" will appear. Select this WIFI to pair the swing cam with your device. If your device requests a password entered to pair, the password is: "12345678".

5. The "x" on the swing camera screen will now turn into a "check" once the unit is paired correctly.

6. Next, open the "SwingCAM" app on your device. Select the plus mark in the top right corner of the screen.

7. "SWING CAM" will appear under the "Camera List" within the app.

8. Select "SWING CAM". Your device will now begin to stream live video from the swing camera to your paired device. You now have the option to record new videos, edit, delete, store, and share videos recorded on your Swami Swing Cam.
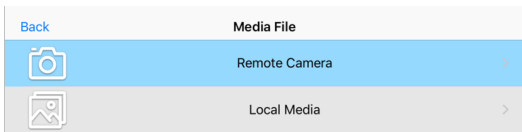
3.2 Swing Cam App Guide

1. When you have successfully paired your smart phone with the swing cam via the app, the first screen displayed will have multiple options for recording or analysis:

- The Red circle on the right side of the app screen is the record option **(A)**. The user can select this option to begin recording through the Swing Cam.

- The option in the upper right corner of the app screen is the option to review previous recordings **(B)** which are on the Swing Cam memory or view downloaded recordings which have been saved to the app.

2. Viewing recordings: Select this option in the upper right corner of the app screen

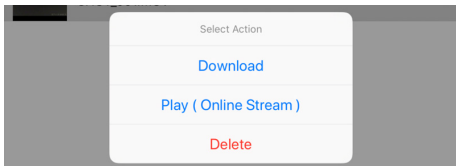| Back	Media File	
📷	Remote Camera	>
🖼️	Local Media	>

- **Remote Camera:** View and analyze recordings stored on the Swing Cam via the app

- **Local Media:** View and analyze recordings downloaded to the Swing Cam app from the Swing Cam.

- When a video is selected under "Local Media", the user will have the option to play, share, or delete the stored recording.

- **Sharing Recordings:** Once a video has been downloaded and selected under "Local Media", the user has the option to share via multiple options or save a recording to their device for analysis on the Swing Cam app or other app platforms.

3. Switching between camera mode and record mode: in the upper left corner of the app screen is a camera icon with arrows in a rotating direction **(A)**. This switches between recording or taking photos:

- To switch back to recording mode, select the video camera icon with the rotating arrows in the upper left corner of the app screen.

4. Downloading recordings from the Swing Cam to the app:
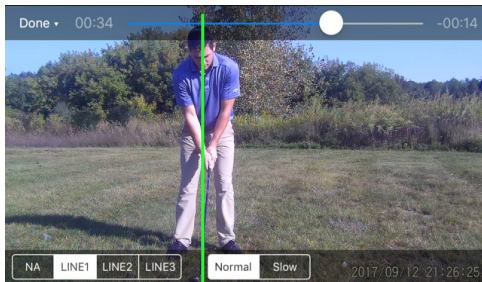

- When you select a video within "Remote Camera" the user has the option to download, play via streaming or delete the recording from the Swing Cam memory.

5. Analyzing recordings: Analyzing a recording allows the user to plot swing plane lines as well as play the recording in normal speed or in a slower frame by frame speed.

3.3 App Swing Lines

Swing Lines: Swing plane lines are intended to analyze club & body positioning throughout the duration of the golf swing. These lines provide instant feedback so the user can monitor their swing & make adjustments accordingly to improve their consistency, accuracy & power.

Line 1: Vertical line: Intended to be used during a straight on recording shot to check head position, shoulder angle, ball position, and body movement. The golfer's trailing shoulder should be lower than their leading shoulder creating an upward shoulder angle. A golfer's head positioning should never be ahead of their hips throughout the swing. Ideally, a golfer who keeps their body stable and compact during the swing will produce more accurate and powerful golf shots.

Line 2: Right handed swing plane: Position the line to check club positioning, club shaft plane, and shoulder plane throughout the golf swing. A golfer will be much more consistent and accurate if they can maintain a similar swing plane on the backswing, down swing, and follow through.

Line 3: Left handed swing plane line: Position the line to check club positioning, club shaft plane, and shoulder plane throughout the golf swing. A golfer will be much more consistent and accurate if they can maintain a similar swing plane on the backswing, down swing, and follow through.

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