# Golfeye User Manual

GCAM ROBOT CO., LIMITED is a high-tech company focusing on the research and development of intelligent golf action cameras, committed to recording your wonderful and precious moments of a hole-in-one.

Contents

golfeye

图片和文字源于网络，禁止商业用途

01 Specification

Product Name	gol feye		
Model	Ge01		
Software Information	Operating Environment	Operating System	Qualcomm Linux System
Hardware Specifications	Main Control Chip	Core Board Model	Qualcomm 6490 SOM
		CPU	Qualcomm® Snapdragon™ QCS6490Qualcomm® KryoTM CPU 670Qualcomm® Adreno™ GPU 643, Adreno 633 VPU, Adreno DPU 1075Qualcomm® Hexagon™ DSP with dual HVXQualcomm SpectraTM ISP 570L image processing
		Computing Power	12.5 Tops
		Memory	LPDDR4x 4.266 Gbps 128bit 68.256 GB/s; Default capacity 4GB, maximum supported capacity 32GB
		EMMC	64GB UFS2.1
	Camera Module	18x Optical Zoom	Sony 678 sensor, 18x optical zoom, stepless zoom, MIPI
		Wide-Angle Lens	Sony 678 sensor, FOV 105°, H:120°, V:77°, aperture F2.0, MIPI, fixed focal length 3.2
		Image Debugging	ISP debugging (2A), SHDR (18x optical zoom prioritized), supports optical zoom algorithm and focus debugging
	WiFi & Bluetooth	Independent WiFi/BT module, supports WiFi6, dual-band operation	
	Positioning	GPS	Independent GPS module
	Microphone	Remote Audio Pickup	Dual MIC noise reduction (symmetrically arranged front and rear), enabling remote audio pickup within 5 meters and golf swing sound recognition
	Speaker	External Speaker	1318 high-power speaker
	USB Interface	Type C	TYPE C, support upgrade and debugging
	Storage Interface	Micro SD	1 port
	Heat Dissipation	Passive Cooling	Adopts aluminum profile (with cooling fins) + thermal grease + graphene cooling film
	Camera Indicator Light	Indicator Light	Red, green, blue flashing, supports breathing, fast flashing, slow flashing

▲ 01 Specification

	Gimbal-Camera Interface	Supports UART serial port, DC power supply, ground, total 6 pins	
	Water Resistance	Camera Module Water Resistance	IP43
Gimbal	3-Axis Gimbal	Three-axis	UART port, power supply 12V; Gimbal 3-axis mechanical rotation angles: Yaw/Pitch/Roll = ±90°/±45°/±30°
	Gimbal Main Unit Power	High-density battery	10W power, 5-hour battery life, 12V voltage, using 21700 battery cells (3 cells, 5000mAh per cell)
		TYPE-C charging	
	Indicator Light	Indicator light	gimbal status indication/button status/charging indication/battery level indication: green, red, blue, fast flashing, slow flashing, breathing
	Buttons & Controls	Video recording	
		WiFi	
		Power button	
	Water Resistance	IP43	
Extension Rod	Material	Aluminum rod, rust-free	
	Dimensions	锥子 15CM，延长杆 64cm	
Ground Stack	Material	铝杆，无生锈	
	Dimensions	锥子 15C	
Reliability	Environmental Characteristics	Operating temperature	Operating temperature: -10℃~55℃ (charging operating temperature: 5℃-45℃)
		Storage temperature	- 30 ~ +80℃
		Humidity	95% RH@60℃
	Structural Dimensions	otal height 120cm; gimbal handle, extension rod and awl are detachable	
	Certification	CE、FCC	
		Electromagnetic Compatibility	

▲ 01 Unboxing List

①Intelligent Action Camera	⑤Replacement Rod	⑨Power Adapter
②Camera Protective Cover	⑥Ground Stake	⑩Data Cable
③Camera Protective Bag	⑦Ground Stake Protective Sleeve	
④Extension Rod	⑧Tripod	

▲ 02 Equipment Assembly

①

Take the camera out of the
camera protective case

②

Screw the tripod/ground spike into the hole at
the bottom of the extension rod

③

Screw the extension rod into the
bottom of the camera along the
thread

④

Remove the camera protective cover

▲ 02 Equipment Assembly

（1）Step on the ground spike and insert the device into the golf course turf

（2）Open the tripod and stand the device on the ground

⑤

Please insert the device into the stadium grass for use, or open the tripod and place it flat on the ground

▲ 03 Power-on Preview

（1） Front Motor Lock

（2） Right Motor Lock

①

Before powering on, ensure all three motor locks are switched downward

（3） Rear Motor Lock

▲ 03 Power-on Preview

②

Long-press the power button on the left side of the device for 5 seconds to power on or off

③

The green indicator light of the camera flashing indicates a successful power-on

Golfeye

④

Download and install the Golfeye APP

▲ 03 Power-on Preview

(1)

Settings

Account information

WIFI Connection

Permission Settings

Notification Settings
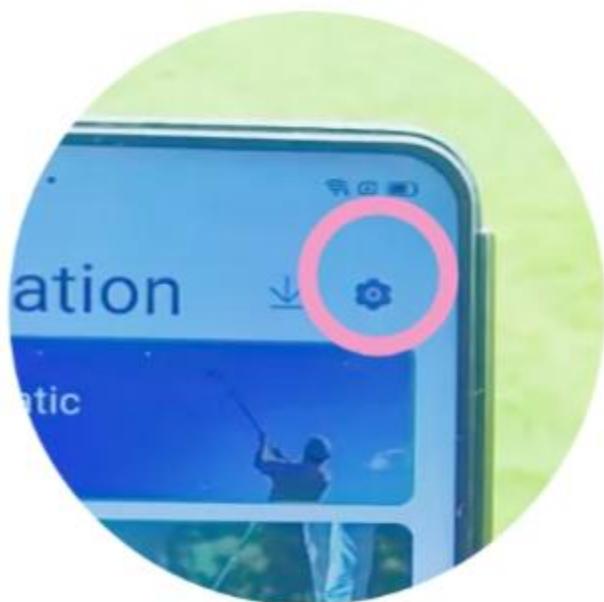
(2)

⑤

In the "Settings" at the upper right corner of the Golfeye APP, select "WIFI Connection", choose the device's hotspot ID, and click to connect

17:40

← Wi-Fi

Wi-Fi

gcam-491020
Connected

-FI NETWORKS   REFRESH

(3)

03 Power-on Preview
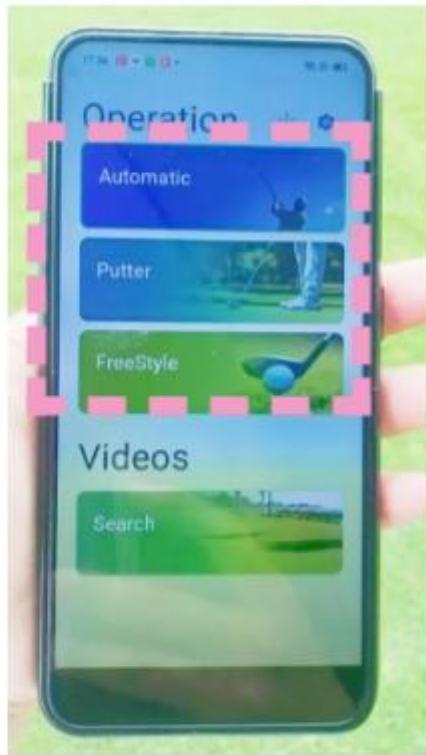
⑥

After the device hotspot connection shows "Connected", enter any mode and preview
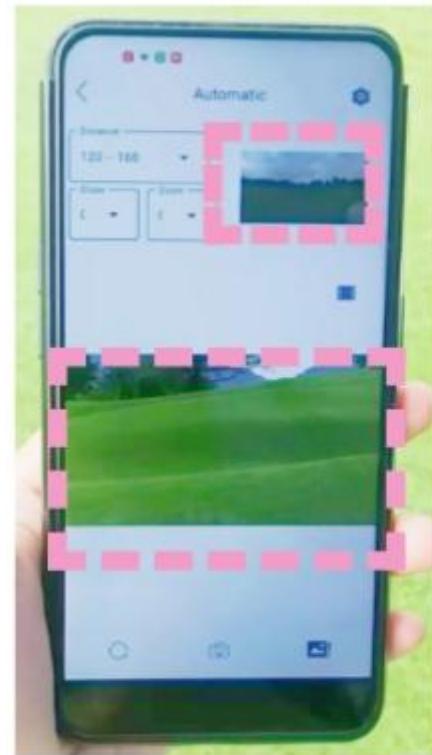
⑦

If the wide-angle and zoom image previews are normal, it indicates the device has powered on correctly

▲ 04 Course Usage

①

Please follow the previous steps to check if the device starts normally. It is recommended to use it after a full charge

②

Aim the device at targets such as flagsticks or fairways, and make the arrow point toward the target direction

③

Step on the Golfeye ground spike and insert it 3-8 meters away from the hitting position (3.5-4 meters is recommended)

④

Place the ball on the hitting point

▲ 04 Course Usage
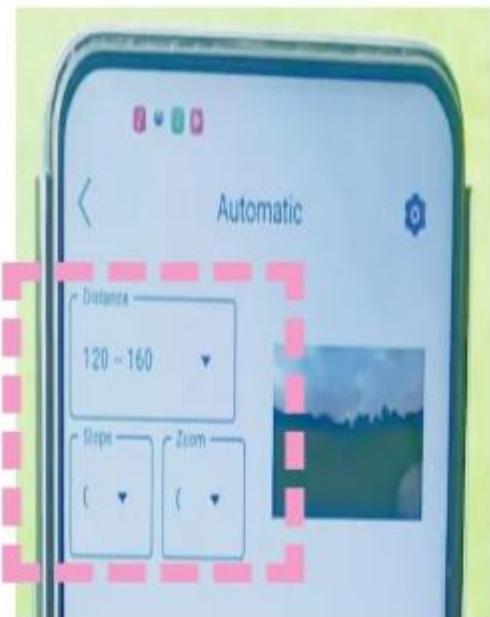
⑤

In Automatic Mode, shooting is supported when the angle formed among the target position, Golfeye, and hitting position ranges from 45° to 105°. For optimal shooting experience, it is recommended to shoot within the 60°–90° range


⑥

After connecting to WIFI on the APP, select a mode and set the required shooting distance, slope, and zoom

Parameter Description

Distance	Corresponding to the target distance in yards, the default is 120–160 yards
Slope	Supports pan-tilt pitch adjustment from -5° to +5° to adapt to target position slopes
Zoom	The zoom lens can further magnify the preview image by 1x or 2x

▲ 04 Course Usage
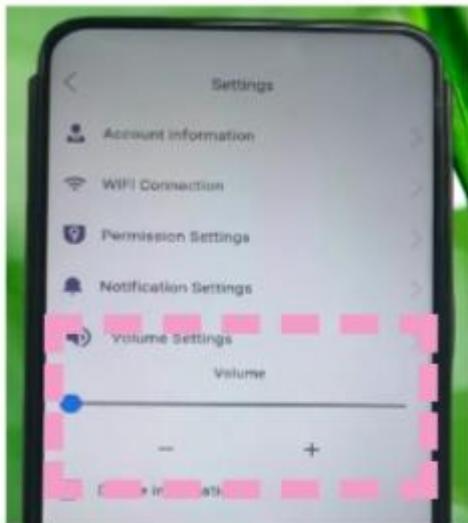
⑦

In the Golfeye APP's Settings , you can adjust the camera's voice broadcast volume using the ± Volume buttons

⑧

Press the pan-tilt recording button. When the camera's voice broadcast says "Start", it indicates shooting has begun. Do not walk between the ball and Golfeye or remove the ball to avoid affecting ball recognition

⑨

When the camera's voice broadcast says "Please hit the ball" , strike the ball . If it says " No ball found ", it indicates the ball has not been recognized yet . Wait for recognition or check if the ball is placed on the hitting position

12

⑩

(1)When the voice prompt says "Finish", the recording ends, and you can pull the device out of the grass;
(2)To cancel shooting midway, press the recording button again, and the voice broadcast will say "Cancel";
(3)After cancellation, pressing the recording button again will start a new shoot;

⑪

When moving to the next hole for recording , keep the device powered on

▲ 05 Video Viewing , Downloading and Copying

①

Tap "Search" in "Videos" on the home page to enter the album function and view recorded videos
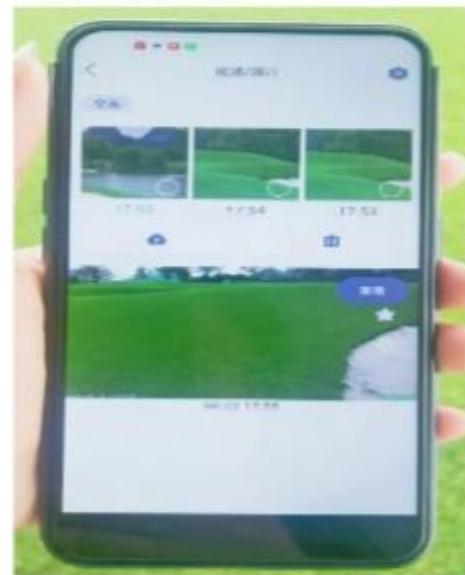
②

Tap any video in the album to view it
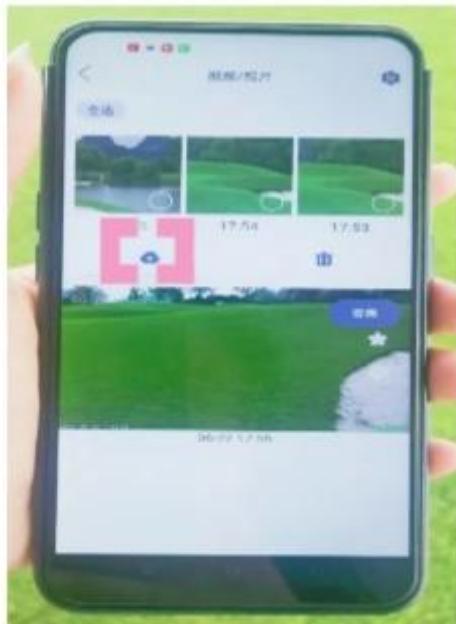
③

After checking the videos you need to download , tap the "Download" button to start the download

④

With the device powered on , connect the data cable to the USB port on the Golfeye camera end

⑤

After a successful connection , a pop-up window will appear in the lower-right corner of the computer to display the Golf Eye device

⑥

In " This PC " on the computer, find Golf Eye , then click to enter Internal Media
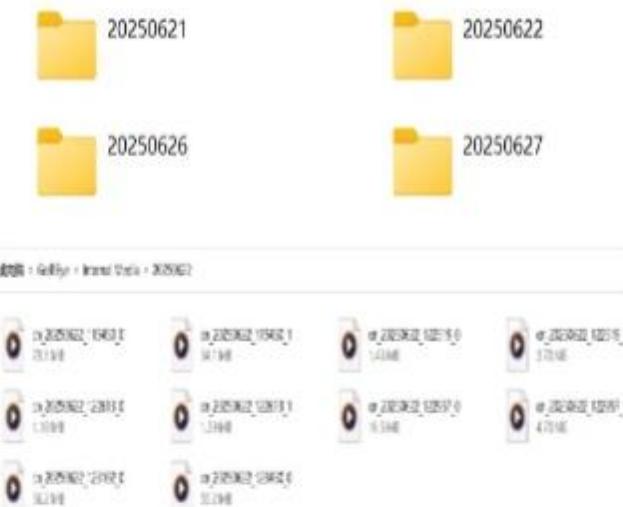
⑦

Continue to click Internal Media , enter the video date directory , then click to enter the date folder that needs to be copied for copying

▲ 06 Golfeye Storage

Recommended Method 1

①

Screw the guide rod into the extension rod to facilitate placement into and retrieval from the golf bag for storage

②

Attach the transparent protective cover to the camera and place it in the camera protective bag for storage

Recommended Method 2

(1)

(2)

③

Attach the transparent protective cover to the camera (a camera protective sleeve can be put on additionally), then place it on a tripod and store it in a safe position

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and , if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-        Reorient or relocate the receiving antenna.
-        Increase the separation between the equipment and receiver.
-        Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-        Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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