Product Overview

This product is a high-end mini 2K 30FPS QHD helmet camera with industry leading digital video technology and fashionable APP preview function. It comes with an internal battery for up to 150 minutes of run time. External Micro USB power supply interface, with simple fixing brackets, very portable and convenient. Providing 2K (QHD) High Definition for great quality video.

Product Features

1. Resolution 2K (QHD) 30FPS for video and 500 mega pixels for photos.
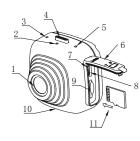2. F/2.0 aperture offers super QHD video which helps to improve picture quality and reduce distortion.
3. Micro SD card. Max 256GB.
4. A built-in high-performance lithium battery with a run time of up to 150 minutes.
5. Camera is charged via Micro USB power lead.
6. Small size and lightweight makes the camera very easy to use and convenient to wear
7. IP65. Weatherproof (water and dust resistant). Designed specifically for outdoor use.

Product Appearance

1. Lens
2. Recording Indicator (Red LED)
3. Charging Indicator (Green LED)
4. On/Off/Photo Button
5. Wi-Fi Light Indicator (Blue LED)
6. Weatherproof Cover
7. Reset Button
8. Micro USB Port
9. Micro SD Card Slot
10. Microphone Hole
11. Insert the SD card in this direction

Micro SD Card Guidelines

1. It is recommended to use a good quality and branded Micro SD Card from 8-256GB. Minimum Class10.

Specification

Processor	A9	Wireless Connection	WiFi(2.4G)
Image Sensor	Sony 500W	Data-Interface	Micro USB
Aperture	F2.0	Input Voltage /Current	5V / 1A
Viewing Angle	120°	Battery Capacity	850MAh
Video Resolution	1440QHD 30Fps 1080FHD 60Fps 1080FHD 30Fps 720HD 60Fps	Charging Time	90 Mns
		Battery Life	150 Mns
		Special Function	Vibration Alerts
		Waterproof Rate	IP65
Photo Resolution	500 Mega Pixels	Working Temperature	-5℃-45℃
Video Format	MP4	Storage Temperature	-10℃-55℃
Photo Format	JPEG	Camera Size	L46*W46*H38
Storage	Micro SD card. 8G~256G	Camera Weight	48g

Basic User Guide

1. Button Press

1). Long Press--- 3 seconds to turn the camera on. 2 seconds to turn the camera off.
2). Short Press(with camera on)---Activate the Wi-Fi

2. Light Indicator

1). Green LED--- Solid On = Charging . Off = Fully Charged.
2). Red LED --- Solid on = Recording, Flashing = Not recording.
Fast flashing = Sd Card is not inserted, fully clicked into place or is faulty/ not recognized.

2. It is recommended to format the SD card for better compatibility when a card is used in this camera for the first time. The camera is designed to do this automatically. If any problem this can be manually done within the APP settings.
3. Please insert the SD card in the correct way, as point 11 above. Close the rubber weatherproof cover fully by pressing it evenly into place. This will retain the IP rating and ensure there is no water or dust ingress.

3). Blue LED--Soild on = Wi-Fi connected. Flashing = WiFi Connecting.
LED Off = Wi-Fi is turned off.
4). Firmware Updating---the Red LED will flash erratically and LED brightness will vary.
5). Restore Factory Settings -- The Red LED flash quickly. Solid RED when complete.

3. Virbation Alert

1). One Vibration - Camera is switched on or off.
2). One Vibration(Camera On) when you short press to activate the Wi-Fi .
3). Three Vibrations - Sd Card is not recognized or no card is inserted.
4). Ten Vibrations -- Battery very low and will turn off after vibrations.

4. App Installation

1). Scan the QR code on your mobile phone and follow the prompts to download and install APP or search Helmet Camera in App Store or Google Play.
2). Install APP permission items below.

APP QR code   Identify the location

load album   prompt notification

5. APP connection

1. Fully charge the camera before use.
2. Insert the Micro SD card correctly as shown on Page 1.
3. Press the power button for 3 seconds to turn on.
4. Enter your mobile devices Wifi settings and select TECHALOGIC_HC-1_****. The default password is 12345678. Blue LED will go solid when successful connection is made.

Note: The WIFI will Auto turn off. To activate the Wi-Fi again, one quick press of the main button will turn it back on and the blue LED will flash awaiting connection.

APP connection steps（Android device）

6. Function Instruction

1). To Pause Recording: Enter the APP and select video camera (Top Left). Tap the red square to stop and start recording. Note – Recording will also stop when you access picture, documents and settings options.
2). Photo Operation - Enter the APP and select Picture Icon(Top Right). Use the live view to ensure that perfect picture is taken.
3). View Video/Photo's on Computer. Remove the SD card, insert into adapter to copy/play your video. You can also connect the camera direct to your computer via the USB cable and access video directly this way.
4). Reset (Camera on): The reset button is located under the waterproof cover. A long press is required. You will require a needle, paperclip or similar to insert.

5). Restore Factory Settings: When the camera is turned off, press the power button for 10 seconds, the red light will flash and turn off, release the button, the factory settings will be restored successfully. The camera will automatically turn on.
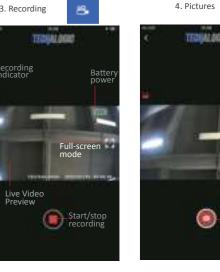6). Firmware Update: (ensure the battery is charged fully)
Computer: Copy the FW98565A.bin file from the support section of the website to the root directory of the Micro Sd card (SD card requirements - 8G to 32G or any other card max 256gb providing in format FAT32).
Camera: Insert the Micro SD card with the copied firmware into the camera, press the power button to turn the camera on, the red LED will flash low, release the button, wait for the update. Camera will automatically turn on after the firmware update is complete. The firmware file on the SD card will be automatically deleted when it has updated 100%.

App interface

1. Home page   2. Files

3. Recording   4. Pictures

Recording indicator   Battery power

Full-screen mode

Live Video Preview

Start/stop recording   Shutter Button

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3. The video is not clear ---- Keep the lens clean at all times.
4. Does not turn on or shut down automatically ---- check whether the battery is fully charged.
5. The red light flashes / not recording ---- Check whether the SD card is inserted or change the card.
6. The camera's Wi-Fi signal cannot be found.----Check whether the Wi-Fi LED is on. You can short press the camera button once to activate the WiFi.
7. Forgotten WiFi Password----- Restore Factory Setting: When the camera is turned off, press the power button for 10 seconds, the red light will flash and turn off, release the button, the factory settings will be restored successfully, and WiFi password will return to 12345678.
8. The charging light does not light up----Check whether the power cable is plugged in properly, and check whether the power cable is damaged.
* Charge the camera via a mains supply only.

Packing list

Item
Helmet Camera
User Manual
Main Camera Holder
USB Cable
Curved Mount
Flat Mount
3*3M Sticky Pads
360 Buckle Clip
3*Screws and Thumb Screws
Short & Long Extension Arm
Elasticated Hat/Head Strap
Cycle Helmet Strap Mount

Customer Support

For more TECHALOGIC product information and accessories, please visit our official website: https://techalogic.co.uk/

If you have any comments, suggestions or need customer support: Please contact our customer service team 0330 2233108.

3 – Motorcycle Helmet – Curved/Flat Mount

Camera
Main Camera Holder
Thumb Screw
Long Extension Arm
Buckle Clip
Thumb Screw
Buckle Clip
Curved Mount
3M Pad

IMPORTANT

1. This camera is a high-precision electronic product, please avoid dropping/impact.
2. Do not immerse the camera in liquid to avoid product failure.
3. Do not place the camera close to objects with strong magnetism, such as magnets
and motors, to avoid product failure or damage to recorded images and sounds.
4. Do not leave the camera in a place with high temperature or direct sunlight.
5. Please choose a quality branded Micro SD card Class 10 or higher. Low quality/cheap SD Cards may not be suitable and could affect the camera operation
6. It is recommended that the battery charging environment temperature be between 0°C and 45°C to prevent the battery from shortening its life or damage.
7. During the battery charging process, if there is overheating, smoke or odour, unplug the power immediately and stop charging to avoid fire.
8. When the battery is charging, keep the camera out of the reach of children.
9. To store the camera for a long period of time (3 months or more), please put the product in a cool, dry and dust-free place.
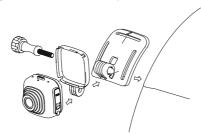
TROUBLE SHOOTING

1. The video is skewed and the camera shakes - check the brackets/bolts are securely fastened
2. The adhesive on the back of the bracket is not firmly attached—check to ensure that the adhesive surface is clean and free from residue.
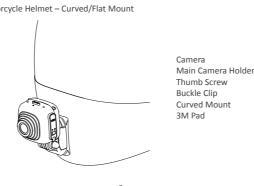
Mounting the Camera

Provided in the kit are mounts to enable you to secure the HC-1 camera to any horse riding hat and many motorcycle/cycle helmets. Please be advised that the main camera holder has been designed so it's compatible with Go Pro/Generic style action camera mounts. So, if you require a specific chin mount for your motorcycle helmet there are many other options available that will be suitable with the HC-1.

1 - Using the Elasticated Hat/Head Strap

2 – Motorcycle Helmet – Curved/Flat Mount

Camera
Main Camera Holder
Thumb Screw
Buckle Clip
Curved Mount
3M Pad

5. Settings (2)

SD Card Memory Capacity
SD Card Remaining
SD Card Formatting
SD Card Status

Light Source Frequency. 50 is UK
Switch Vibration Feature
Time Calibration
Cache Cleanup
Factory Reset

File Path
Equipment Version
APP Version

5. Settings (1)

WiFi SSID Modification
WiFi Password Modification
Options for Auto turn off of WiFi

Select Video Resolution
Select Bitrate Level

Turn Loop On/Off & Select File Length
Off or increase Frame Rate
Select Volume Recording Level
Date and time stamp on/off
Customise video stamp

TECHALOGIC

HC - 1 Helmet Camera
Instruction Manual