



Action-Sports Camera

Part # 9905

User Manual

Please read through this user manual before using the product and keep the manual for future reference. Product appearance and/or specifications are subject to change without notification.

WASPcam is a division of 636 Distributing Inc.

Ariss, ON

519-822-8400

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Safety Precautions

- Read the following guidelines before using this camera
- Refer to the manual instructions to operate the camera properly. Improper operation may cause damage to camera internal components
- Do not store the product in dusty, dirty, or sandy areas, as its components may be damaged
- Do not leave the camera in places exposed to extremely high temperatures, such as direct sunlight for extended periods of time. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics
- Do not store the product in cold areas. When the product warms up to its normal temperature, moisture can form inside, which may damage the electronic circuits
- Do not attempt to open the casing or attempt your own repairs. High-voltage internal components create the risk of electric shock when exposed
- Do not drop or knock the product. Rough handling may damage the internal components
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the product. Wipe the product with a slightly damp soft cloth
- Do not open the battery cover while an image is being recorded. Doing so will not only make storage of the current image impossible, it can also corrupt other image data already stored on file
- If the product or any of its accessories are not working properly, please contact 636 Distributing Inc. and our tech team will assist you and if necessary, arrange for the product to be repaired or replaced
- It is recommend to use the camera in temperatures between 0°C to 40°C
- Turn off the camera before removing the memory card, to avoid damaging the card or storage data
- It is normal for the camera to be warm after long periods of use
- Do not touch the lens while using the camera or it can affect video/picture quality
- Please use the air blower (special lens blowing equipment) to clean lens or use special lens-cleaning cloth to clean fingerprint or dust on the surface
- Always test for proper operation before using the camera
- 636 Distributing Inc. is not responsible for any damage or personal injuries resulting from the use of the WASPcam TACT or for replacing it if lost or stolen
- 636 Distributing is not responsible for any legal repercussions from the use of the WASPcam TACT or from the sharing of footage

System Requirements

The camera requires a PC with the following specifications for full HD 1080p 30fps and 720p 60fps playback

- Windows® 8 /Windows® 7 /Vista / XP (SP2) / MAC OS X 10.5 and later
- Intel® / AMD Dual-Core CPU and later
- At least 1 GB of RAM or higher
- At least DirectX 9 video card, DirectX 10 is recommended
- Standard USB 1.1 port and later
- At least 2GB or greater available hard disk space


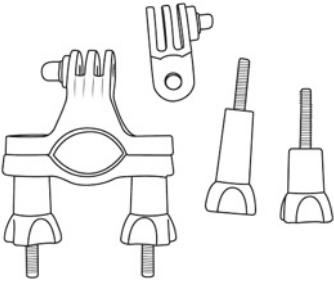
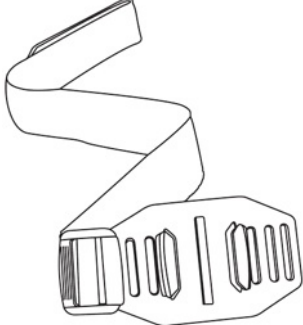
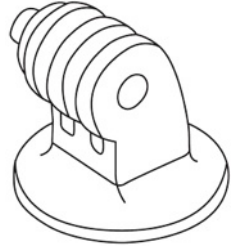
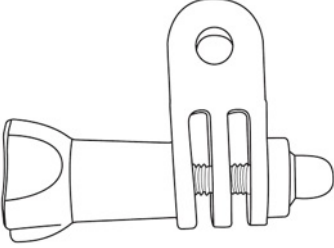
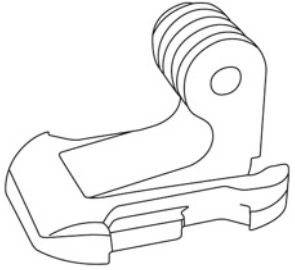




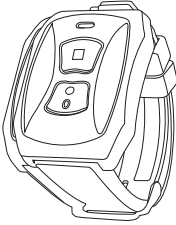
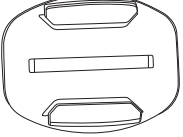
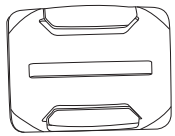
Features

The camera offers a variety of features and functions including

- Full HD 1080p (30fps.)
- H.264 Video Clip
- 170° Wide Angle Lens
- WLAN 802.11 b/g/n
- 2.4GHz RF remote control
- 12 Megapixel Photos
- Li-ion Rechargeable Battery
- Smartphone App Supported – WASPcam TACT App

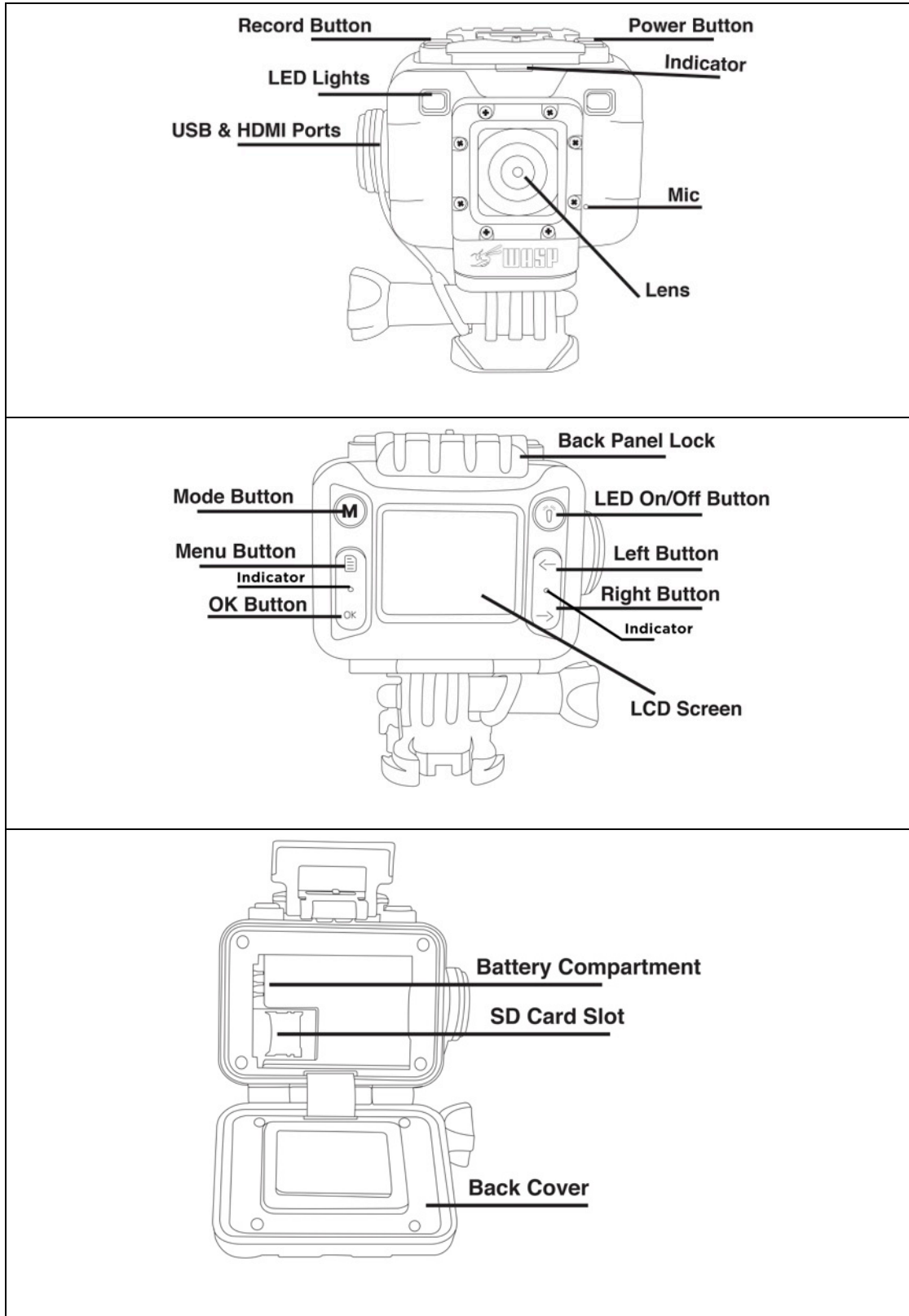
ACCESSORIES







The following items should be in your the package. If any items are missing or damaged, contact your dealer immediately.

 <p>Micro USB Cable</p>	 <p>Bar Mount</p>	 <p>Helmet Mount</p>
 <p>Tripod Mount Adapter</p>	 <p>Straight Joint Mount</p>	 <p>J-Hook Buckle</p>
 <p>User Manual</p>	 <p>3M Stickers</p>	 <p>Wall Charger</p>
 <p>Li-Ion Battery</p>	 <p>Wrist Remote</p>	 <p>Flat Mount w/3M Tape</p>  <p>Curved Mount w/3M Tape</p>

Camera Function Quick Guide Diagram

Refer to the following illustrations to familiarize yourself with the buttons and controls of this camera



BUTTON FUNCTIONS	
Button	Function
Power Button (Top Left) 	To turn the camera on & off To clear the screen To delete files under playback mode
Mode Button M	To switch to picture mode, video mode and playback mode
Record Button (Top Right) 	Start and stop taking photos/videos, Returns to the photo/video mode when you are in the menu
Menu Button 	To enter / exit menu settings
OK Button OK	To browse photos and videos, to enter and confirm settings under setting mode
Left Button 	Choose the last menu or file, zoom in and to reduce volume under playback mode. Press and hold to rewind playback video.
Right Button 	To choose the next menu or file, to zoom out and to increase volume under playback mode. Press and hold to fast forward playback video.
LED Light On/Off Button 	To turn the LED light on and switch between bright, normal, flashing and off

BASIC CAMERA FUNCTIONS


Installing the Micro SD Card

1) Inserting the SD card

- With the camera off open the back cover
- Press the card slot to the right
- Place the SD card in the slot
- Close and lock the card slot
- Do the reverse to remove the SD card

****Note** - Please ensure that the SD Card is inserted in the right direction or you may damage the SD card

Using the LED Lights

Press the light bulb button  above the arrow buttons to turn on the LED lights in bright mode, press again for normal mode, press the 3rd time to make the LED lights flash and press the 4th time to turn them off

Charging the Battery

Connect camera and power supply using USB and charger. The red indicator at the front of the camera will be on while the camera is charging. Once it is fully charged the red indicator light will turn off.

****Note** - To improve the charging efficiency of the camera, please turn the camera off while it's charging

Turning the Camera On/Off

To turn on the camera, press the power button for 3 seconds and a chime will sound, the WASPcam TACT screen will turn on and the red indicator light at the front of the camera will also turn on. To turn off the camera, press the power button again for 3 seconds until the chime sounds and the screen goes black.

At the left of LCD screen it displays the video icon, loop recording icon, white balance icon and audio record icon

At the right of LCD screen it displays the remaining recording time, resolution, SD card icon, and battery icon, on the bottom of the LCD screen it displays date and time

Recording Functions

Normal Recording

Turn on the camera and press the record button once to take video, and the green LED light between the arrows will flash and the recorded time and recording icon are displayed on the top of LCD screen

Press the record button again to stop recording and save the file – then remaining recording time is displayed at the top of LCD screen

Loop recording

1) Turn on the camera, press the menu button and use the right arrow to choose “Cyclic Record” to 2 mins (for more options refer to Video Settings), exit the menu and press the record button once to take a video. The LED light between the 2 arrows will flash green and at the top of the LCD screen it displays the red flashing recording icon and the recording time

2) After 2 minutes, the camera will stop recording automatically and save the video, then continue recording

3) When SD card is full, camera will delete the first video footage automatically and continue recording

4) At anytime during recording, you can press the record button to stop and save the video. The remaining time will display on the LCD screen at the top right.

Motion Detection

1) Press menu and use right arrow to choose Motion Detection and choose 30 SEC for example (for more options refer to Video Settings), press REC to enter Motion Detection mode. The screen will say Motion Detecting

2) If there is movement, the camera will auto record for 30sec (or the time you set) and stop. If there is no movement, the camera will stop recording automatically. If there is constant movement, the camera will detect this and the camera will keep recording at 30sec intervals or the time you have set.

** Note – If you need to pause recording, press the record button once to stop it. If you need to cancel motion detection – please turn off this setting in the menu.

Also this setting will not work if the Cyclic Record is not turned off

Image rotation

Depending on the need, under the system menu "Image Rotation" Select "Open" and press “OK” button to confirm, the screen will show inverted images. This may be necessary if you are mounting the camera upside down.

Photos

Snap Shots

While you are recording video you can press the power button to take a picture

****Note** - when you are taking a snap shot, video is still being recorded continuously.

You can only view the snap shots in browse mode

1) Normal photo

Press Mode button until you see the camera icon in the top left corner. The white balance, exposure and ISO icons will also show on the LCD screen

At the top right of the LCD screen the display shows the remaining amount of photos, resolution, SD Card & battery icons. Press the record button to take a photo

2) Capture Mode Single/3s/10s/30s Timer

Press the menu button to enter camera settings, press the left and right arrow buttons to choose capture mode and select the time, press OK button to confirm, press the record button and the camera will count down the time you've selected and then take a photo. Press the record button again to stop, or change the capture mode to single

****Note** - when taking pictures – please try to hold the camera steady or it may affect the picture quality

3) Auto Photo: off/3/5/10 seconds

Press the menu button to enter camera settings, press the left and right arrow buttons to choose Auto Photo mode and select the time and press ok. Press menu to exit. Press the record button once and the camera will take a photo at the chosen interval continuously. The screen will show the countdown and when the time is up the camera will take a photo automatically and then save the photo, then continue photographing according to the time you set. To stop, please turn the auto photo setting 'Off'

4) Sequence Off/On (Photo Burst)

Press the menu button to enter camera settings, press the left and right arrow buttons to choose sequence then turn it on press OK button to confirm, press Menu to exit. Press the record button and the camera will take and save 3 consecutive photos. To stop, please change the sequence setting Off

5) Quick Review Off/2seconds/5seconds

Press the menu button to enter camera settings, press the left and right arrow buttons to choose Quick Review, choose 2 or 5 seconds, press OK button to confirm, then press Menu to exit. Press the record button and the camera will take 1 photo and hold it for you to preview it for 2/5 seconds (according to the time you have set), then it will go back to photo standby mode

6) Zoom in/out

While in record or photo mode, you can use the left and right arrow buttons to zoom in/out

7) Playback mode

Under standby mode, press the mode button twice to enter into playback mode, the (▶) will be in the top left corner. Press the arrow buttons to choose the file you want to review, press the OK button to confirm. Press again to pause, then press "OK" button again to continue playing the file. During Video playback press and hold the right or left arrow buttons to fast forward or reverse playback. Press and hold the right/left arrow buttons to stop playback and press the right/left arrows to adjust the volume

Deleting / Protecting Files / Slide Show

Deleting Files

Under standby, press the mode button to enter into playback mode. Press the menu button to enter settings, then press the left/right arrows to select Delete, press the OK button to confirm. Press the left/right arrows to "Delete all" or "Delete Current", then press the OK button to confirm. Press the left/right arrow buttons to choose "Cancel" or "OK" to deleting the file. Press OK to confirm delete mode will exit

Protecting Files

Under standby mode, press the Mode button to enter into playback mode. Press the menu button to enter settings and press the left/right arrow buttons to select the "protect" setting. Press OK to confirm, and then press the left/right arrow buttons to select "Lock Current", "Unlock Current", "Lock All", "Unlock All", then press "OK" to confirm, Press "Menu" button to exit

Slide Show

Under standby mode, press the Mode button to enter into playback mode. Press the menu button to enter settings and press the left/right arrow buttons to select "Slide Show" then press the OK button to confirm. Press left/right arrow buttons to select "2, 5, or 8 Seconds", then press the OK button to confirm. Press the menu button to return

Menu Interface Introduction

When you are in standby mode, press the menu button to enter settings, press the left/right arrow buttons to choose the options, then press the OK button to confirm, press menu button again to quit

Video Menu Settings

Under Video mode, press the menu button to enter video settings, press the left/right arrow buttons to choose the options, then press the OK button to confirm, press menu button again to quit

MENU OPTION	SETTINGS
Resolution	1080P30FPS / 720P60FPS / WVGA60 FPS / VGA120FPS
Cyclic Record	2 Minutes / 5 Minutes / 10 Minutes
Exposure	+0.0, -1/2, -1.0, -3/2, -2.0, +2.0, +3/2, +1.0, +1/2
White Balance	Auto/ Daylight / Cloudy / Tungsten / Fluorescent / Underwater
Motion Detection	Off / 30 Seconds / 1 Minute / 5 Minutes
Record Audio	Off/ On

System Settings

Under standby mode and playback mode, press the menu button twice to enter the system settings, press the left/right arrow buttons to choose the option, press the OK button to confirm, press the menu button to exit settings.

MENU OPTION	SETTINGS
WIFI	On/Off
WIFI SSID	User name setting, the default is WASPcam
WIFI Password	Password setting, the default is 12345678
Image rotation	On/Off
Anti-shaking	On/Off
LCD Off	30secs / 1min / Off (Length of time before the screen shuts off)
Remote Control	Off / On /Remote Match (for pairing with the camera)
Date / Time	YYYY / MM / DD / HH / MM / SS
Date Stamp	Off / Date / Date & Time
Auto Power Off	Off / 1 min / 5 mins
Language	English, French, Spanish, Portuguese, German, Italian, 简体中文, 繁體中文, РУССКИЙ, 日本語, 한국어, Polski
TV Mode	NTSC/PAL
TV Out	Off / On
Frequency	60 HZ / 50HZ
Format	SD Card
Default	Cancel / Ok
Version	FWVer: X.X /XXXX XX XX

Photo Menu Settings

Under Photo mode, press the menu button to enter photo settings, press the left/right arrow buttons to choose the options, then press the OK button to confirm, press menu button again to quit.

MENU OPTION	SETTINGS
Capture Mode	Single / 3s / 10s / 30s Timer
Auto Photo	Off / 3 / 5 / 10 seconds
Photo Resolution	12M / 8M / 5M
Sequence	Off / On
Quality	Fine / Normal / Economy
Sharpness	Strong / Normal / Soft
White Balance	Auto/Daylight/Cloudy/Tungsten/Fluorescent/Underwater
Color	Color / B&W / Sepia
ISO	Auto / 100 / 200 / 400
Exposure	+0.0, -1/2, -1.0, -3/2, -2.0, +2.0, +3/2, +1.0, +1/2
Quick Review	Off / 2 / 5 seconds

Using the Camera's WIFI

1) Before using this function, download and install the WASPcam TACT App to your Apple iPhone (iOS system) smartphone or Android smartphone

Installing the WASPcam TACT App


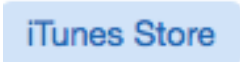


Apple iPhone (iOS system) Smartphone

There are two ways to download the WASPcam TACT App to your iPhone:



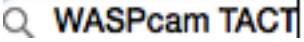


1. Download from iTunes Store through your computer's iTunes program
2. Download from the App store through your iPhone

Note: Before you do the following steps, please confirm that your computer has the iTunes program installed and you have set up an Apple account. It needs to be the Apple iOS 6.0 system or above.



Download from iTunes

	Click iTunes icon to open iTunes
	Click iTunes Store Icon to open the iTunes Store
	Enter "WASPcam TACT" into the search bar Click download under the WASPcam TACT Icon
	Once it's finished the WASPcam TACT icon will show on your home screen

Download by iPhone

	Click the App Store icon
	Click search icon
	Click the search field and enter WASPCam TACT, click the blue search button
	Click the icon and click download
	Once it's finished the WASPCam TACT icon will show on your home screen

Android Smartphone

Open the Google Play store on your phone	
Enter "WASPCam TACT" into the search bar and hit search	
	Click on the WASPCam TACT icon to view the app page
Click the install button to install the WASPCam TACT app to your phone	
	Once download is complete, the WASPCam TACT app will appear in your application menu.

Android by Computer

Open the computer internet and enter this link: https://www.dropbox.com/sh/o7glexh40dg6hri/AAAnosSorWzAhRqI-sXN-p2Ha?dl=0	
Click download at the pop-up dialog box to download "wasp20150514.apk"	
Connect mobile and computer by USB cable	
Copy "wasp20150514.apk" to your mobile	
Find "wasp20150514.apk" at your mobile	
Click "wasp20150514.apk" to install	

Using the Camera's WIFI Cont.


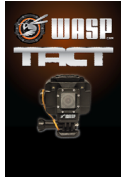









2) Turn the camera on and press the menu button twice to enter system settings, press the left/right arrow buttons to choose WIFI SSID. Press the OK button to select then press the menu button to select Del then press the Ok button to delete the WIFI name. Then you can enter new a new WIFI name. Press the menu button to select uppercase/lowercase letters or numbers, press the left/right arrow buttons to choose the letters to spell the word you want then press the Ok button to confirm. Press the menu button to select and Ok to confirm the setting.

3) Turn the camera on and press the menu button twice to enter system settings, press the left/right arrow buttons to choose WIFI password. Press the OK button to select then press the menu button to select Del then press the Ok button to delete the WIFI password. Then you can enter a new WIFI password. Press the left/right arrow buttons to choose the letters to spell the word you want then press the Ok button to confirm. Press the menu button to select and Ok to confirm the setting.

Note: The WIFI name and passwords need to be at least 8 characters comprised of upper/lower case letters and numbers

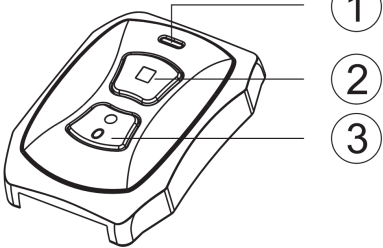
4) Turn the camera on and press the menu button twice to enter system settings, press the left/right arrow buttons to choose WIFI and select open. The WIFI icon will show on the screen. Search the Wlan using your mobile, find the network name which you have set, connect and enter the password XXXXXXXX (whatever you saved) and confirm. Connection is successful when the LCD screen shows "WIFI connected" then open the WASPcam TACT APP and preview the camera's view, take video and photos and also change menu settings directly from your smartphone to your camera, such as video resolution, photo size etc.

APP Interface Description

	<p>Open WIFI and to connect, click the WASPcam TACT icon to enter the APP</p>
	<p>This will show on your screen when the app is starting up</p>
	<p>After connecting, your smartphone will enter standby mode and live viewing screen will be showing on your phone</p>
	<p>Press this icon to switch to recording and photos</p>
	<p>Press this icon to record video or photo</p>
	<p>Press this icon to enter settings: Video Resolution Photo Size Loop Recoding Record Audio Auto Off Clear Cache Wi-Fi</p>
	<p>Press this icon to see all the files</p>
	<p>Press this icon to download files from the camera to smartphone</p>
	<p>Press this icon to see the files that have been downloaded to your smartphone</p>
	<p>Press this icon to change your WIFI setting. Connect to the internet network and open the downloaded photo/video on your smartphone and press  to select where to share</p>

Remote Control

Under standby mode, press the menu button to enter system settings, press the left/right arrow buttons to choose remote then select Remote Match. The message on the LCD Screen is “Wait Remote Match” and camera enters pairing mode. At the same time, press both buttons on the remote controller to start pairing. Pairing is successful when the LCD screen shows “Remote Match OK”

	1 - Indicator light
	2 – Photo Button - press to take photos,
	3 – Inquiry/Record Button – press to start/stop recording, press and hold for 3 seconds to check the present status of the camera (see below)
Press the Inquiry/Record Button (3) and the Photo button (2) simultaneously to enter Pairing mode	

Remote Control Indicator Light Status			
Status/LED		Red LED Light	Blue LED Light
Status Inquiry	Standby	1 time/sec frequently Flickers about 5sec	Off
	Recording	Off	Light on 3 seconds, then off
	Power off	Light on 3 secs, then off	Off
Pairing Mode	Pairing	Long light	Long light
	Success	Light on 3 secs, then off	Light on 3 secs, then off
	Failure	Off	Off
Start recording		2 times/sec frequent Flickers about 5sec	Off
Stop recording		1 time/sec frequent Flickers about 5sec	Off
Photo		Off	Flashes once each time you take a photo

Connecting to External Devices

Play back on HD TV

Turn the camera on, connect the HDMI port in the camera to the TV via an HDMI cable (not included) and choose the HDMI mode on TV. The LCD screen on the camera will turn off automatically and now all operations and functions can be seen on the TV.

Play back on TV

Turn the camera on, connect the camera with the AV cable to the TV, choose USB mode on the TV then go into the camera menu settings and make sure the "TV Out" is set to open. The LCD screen on the camera will turn off automatically and now all operations and functions can be seen on the TV.

****Note:** TV AV cable is not included and when connected it will only transmit images/videos but no sound.

View Files on PC / MAC

Connect the computer to the camera using the USB cable. The LCD Screen displays "Mass Storage" and "Camera", press the left/right buttons to select "Mass Storage" and press the record button to confirm. Open the camera's hard drive and go to the CARDV folder. Click on this folder and there are two sub folders MOVIE and PHOTO. Select any folder to open and view the corresponding files.

Open the camera – PC Only

Connect PC with camera using USB cable. The LCD Screen displays "Mass Storage" and "Camera", press the left/right buttons to select "Camera" and press the record button to confirm. Go to "My Computer" and you can now use the camera as a web cam.

Technical Specifications

Sensor	5M CMOS
Video Resolution	1080P30fps / 720P60fps / WVGA60fps / VGA120fps
Image Size	12M / 8M / 5M
Memory	Micro SD card up to 32GB – Class 6 or higher
Lens	170°
Video Format	.MOV
Image Format	JPG
WiFi	802.11b/g/n
Remote	2.4G Remote Control
Audio	Built-in Mic, Speaker
Port	USB, HDMI, TV OUT
Battery	Lithium-ion Rechargeable Battery 1050mAh
Screen	1.5 inch LCD

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