

## User manual for Action DVR VW890

**VW890 is a full 1080P Action DVR,. It can work as a pocket camcorder, sports camera, dash cam, driving recorder, still camera, webcam, and a removable storage device. with it, you can record your happy life anytime anywhere when riding bike, riding motor, skateboarding, parachuting, playing R/C any other sports.**



### Working buttons:

#### **ON/OFF Button:**

**For ON/OFF and webcam and removable storage disk functions.**

#### **MODE Button:**

**There are three modes for this DVR, MODE button is for switching between these three modes:**

**1920x1080P 30fps**

**1280x720P 60fps**

**1280x720P 30fps.**

**SHUTTER Button:**

For taking picture and starting video recording and stopping video recording.

**MIC:**

For recording video sound.

**LENS:**

For recording video image.

**Indicator Light:**

Red light: 1920x1080P 30fps,

Green light: 1280x720P 60fps

Orange light:1280x720P 30fps

**USB Slot:**

Mini USB 8 pins port for connecting to computer for charging and reading information.

**RESET:**

For resetting to original setting when DVR system halted.

**Operation:****1.Charging:**

**A:**Charging the DVR via the supplied USB cable connecting to computer, it can also be charged via DC5V.

**B: 1):** While charging, the yellow light stays on;

2): When charging is full or connecting VW890 to PC when it's powered on, the red light stays on;

3): When charging is full or connecting VW890 to PC when it's powered off, the yellow light turns off.

**C:** Charging it for 2 hours will be full, it can record continuously for about 60 minutes after full charge.

**D:**It can record while charging.

## **2.Inserting micro sd card:**

**Capacity upto 32GB micro sd card is supported.**

## **3.Powering ON & Powering OFF**

**To power on VW890, please Press briefly the ON/OFF button and wait for 3 seconds until the red light blinks, in any status, to power off VW890, please press and hold the ON/OFF button until the indicator light turns off.**

## **4. Taking Picture:**

**After switching on, it enters into default 1080P mode, press briefly the SHUTTER button, the indicator light blinks once, then it takes one picture and then it turns back to standby mode. pressing briefly the SHUTTER button again to take one more picture.**

## **5.Video recording:**

**After switching on, it enters into standby mode in the default 1080P, pressing and holding the SHUTTER button, the red light blinks and it starts to record video, to pause, please press briefly the SHUTTER button again, the red light stops blinking and then it turns back to standby mode.**

## **6.Switch mode:**

**There are three modes available, in standby mode, pressing briefly the MODE button once to switch to different mode as below:**

**Red indicator light(default) :1920x1080P 30fps**

**Green indicator light: 1280x720P 60fps**

**Orange indicator light: 1280x720P 30fp**

**Notice: The switch will be effective only after video recording has stopped.**

## **7.Plug to PC:**

**When VW890 is powered off and plugging to computer, VW890 will be recognized as a removable storage disk, open the disk to check recording and set time/date stamp.**

## **8.Webcam:**

**VW890 can work as a webcam, please power it on first, then press briefly the ON/OFF button again and then plug it to PC, and then you will find the standard webcam on “my computer”.**

## **9.Time stamp setting:**

**There are three time format available as below:**

**1:YMD, 2:MDY, 3:DMY**

**Please insert micro sd card into VW890 and plug it to PC, it will create automatically a txt file named “usercfg”.**

**To revise time stamp : open the TXT file and find the “DateTime=0 ;YYYY/MM/DD-HH:MM:SS [Min:0, Max:0]”, fill in the time starting from “DateTime=” such as 2014/06/13-12:10:00**

**To select time stamp format: open the TXT file and find the DateTimeFormat=1;0:NOT Display Date/Time, 1:YMD, 2:MDY, 3:DMY [Min:0, Max:2] ,for example, DateTimeFormat=2, the format is MM/DD/YYYY, the default format is 1.**

**Notice: only the numbers can be revised, the format can't be revised.**

## **10.Driving recorder mode:**

**VW890 can record automatically after engine while charging and can be charged via DC5V car charger adaptor (not included but optional).**

## **11.Record on R/C plane**

**The Lens is 180° rotating, it can be stucked upside-down by following up these steps:**

**Insert micro sd card and plug VW890 to PC, put the software “SD\_EB66.bin” on the file named “Converse angle” into the root directory of micro sd card, then unplug VW890, then press the ON/OFF button to power it on, VW890 will upgrade the software automatically and then power off and then delete the “SD\_EB66.bin” automatically.**

**When VW890 works as a normal DVR, please change the lens angle back to default obverse angle via following up the steps as below:**

**Insert micro sd card and plug VW890 to PC, put the software**

**“SD\_EB66.bin” on the file named “Obverse angle” into the root directory of micro sd card, then unplug VW890, then press the ON/OFF button to power it on, VW890 will upgrade the software automatically and then power off and then delete the “SD\_EB66.bin” automatically.**

**Please download the software here:**

**Obverse Angle:**

<https://www.sendspace.com/file/2bihuz>

**Converse Angle:**

<https://www.sendspace.com/file/qvqt8w>

## **12.Looping recording:**

**There are four video clip lengths available for looping recording, they are 1 munite, 3 minute, 5 minute and 10 minute, the default is OFF, you can set it by following these steps:**

**Please find the “VideoClipTime=1 ;Video clip time, 0: Off loop record, 1:1min, 2:3min 3:5min, 4:10min [Min:0, Max:4] “ on the “usercfg” file, for example, if you need 3 munite clip, please fill in the digit “2” to the “VideoClipTime=” and save it. To disable this function, please fill in 0.**

## **13.Video- OUT:**

- 1)Plug VW890 to TV set via the supplied AV cable, when the TV set is in AV mode, it enters into webcam mode automatically, press the MODE button to change between video playback mode and webcam mode.**
- 2) To play back the recorded video, briefly press the ON/OFF button to select video, then press the SHUTTER button to start playing.**
- 3) To pause or continue playing, please press the SHUTTER button, press the ON/OFF button briefly to play it at the speed of 2 times or 4 time or 8 times.**
- 4) To press the MODE button to quit playing and turn back to the front page.**
- 5) To power off VW890 to quit the Video-Out function.**
- 6) The supported AV system is NTSC/PAL(default)**

## **14.Reset**

**To reset VW890,please get a small pin to press the RESET button when VW898 gets halted.**

## Technical Parameters:

<b>Sensor</b>	<b>1/2.7"CMOS</b>
<b>Effective Sensor</b>	<b>1920* 1080</b>
<b>Storage</b>	<b>Micro SD Card above class 4 upto 32GB 1080P 30fps(100M/minute) 720P 60fps(80M/munite) 720P30fps(60M/munite)</b>
<b>Sensitivity</b>	<b>Auto</b>
<b>Lens</b>	<b>6G+IR 135°wide angle</b>
<b>Focus Range</b>	<b>30cm to Unlimited</b>
<b>Video</b>	<b>Format: .AVI, H.264 Resolution: 1920x1080/30fps、1280x720/60fps、 1280x720/30fps</b>
<b>Image</b>	<b>Mode 1: 1920x1080 Mode 2: 1280x720 Mode 3: 1280x720</b>
<b>Audio</b>	<b>With sound when recording video</b>
<b>Seamless video</b>	<b>Support</b>
<b>PC interface</b>	<b>USB2.0 (High speed)</b>
<b>AU OUT System</b>	<b>NTSC/PAL (Default)</b>
<b>Auto Power off</b>	<b>1)When without operation in 1 minute after powering on 2)When battery has ran out 3)When without micro sd card inserted 4)When memory card is full</b>
<b>Power source</b>	<b>520mAh Li-ion battery</b>
<b>Recording time</b>	<b>Up to 60 minutes after full charging</b>
<b>Supported System</b>	<b>All Windows and MAC and Linux system</b>
<b>USB Connector</b>	<b>USB mini 8Pin Micro SD Card Slot</b>
<b>Record while charging</b>	<b>Support</b>
<b>U Disk</b>	<b>It can work as a removable storage disk</b>

### **Standard Package:**

**1.VW890 Pocket Cam 2.AV-Out cable 3. Magic Tape**

### **Optional Package:**

**1.Car Charger Adapter  
2.USB charging cable**

### **Exception handling:**

**1. When it can't be powered on or indicator light flashes quickly and then it power off: please recharge the battery and insert micro sd card.**

**2.While recording, the indicator light flashes 10 seconds and then goes off: the memory card maybe full or battery has ran out, please clear the memory card first and then recharge the battery.**

**3.After powering on, if no any operation in 1 minute, the VW898 will turn off automatically.**

### **Warning:**

**Working Humidity: -20°C~60°C. This product is not waterproof, so please be aware of water.**

**Shooting Brightness: Please operate it in sunny environment , Don't expose it directly to strong light in order to avoid damage to optical devices.**

**Cleaning: Don't use it in environment of high dust density in order to avoid the contamination of camera lens or other components.**

**Disposal: Please don' randomly discard this product, prohibit the throwing of this product in the fire in order to avoid an explosion**