CSPRT

USER MANUAL



Preface 1-512-756-1678

Thank you for purchasing CSPRT, HD Digital waterproof video camera. This product is quite small and delicate with wonderful waterproof design. Comes with a multipurpose stand, it can help you achieve omnidirectional video / monitoring under all kinds of outdoor conditions.

The User's Manual will instruct in detail how to use and install the product and provide detailed information regarding use, operation, installation notes and technical specifications etc.. Before using the product, please read this manual carefully. We hope that this product meets your demands and provides a long product life.

Product Assurance

Certificated by FCC & CE etc. authoritative institutions, this product shall be in line with the recommended index and provide safe assurance when being used by users.

Product Overview

As an underwater enthusiest, you are always looking for a beautiful scene in the sea or lakes; are you still looking for a camera that can help you record your unforgettable experiences?

Try our CSPRT. It is specially designed for diving. Its water-proof feature makes it possible to take photos and record videos under water, up to 20 meters. With a high-definition camera lens and low light level sensitivity, you will never miss any chance to enjoy the beautiful view of the deep blue ocean with such a good underwater companion.

Product Features

- > The product not only has a dynamic appearance and elegant lines, but also has a waterproof function. It can work underwater up to 20 meters. It is the best choice for outdoor sports and diving.
- > CSPRT has a professional monitor design, with a motion-detectection function. Once connected to the monitor, its a professional security camera.
- > Advanced vibration effect, makes mode transfer more convenient, easier to operate
- > 120 degree wide-angle, HD camera lens, lets you shoot more freely.
- > Selectable Motion-detect video recording time setting: 10 seconds, 1 minute, 5 minutes, 10 minutes > In motion-detect mode, users are free to choose whether to use loop recording & coverage function > Three selectable video quality options: Superior, Standard, Economic
- > Video resolution: 1280*720p AVI, 30fps
- > 8 white LED lights / 4 LED infrared light and 4 LED white light (alternative)
- > Built-in high capacity Li-battery, long lasting video recording time of 3 h.
- > 2GB mini TF card (optional), supports up to 32 GB
- > PC camera function
- > TV-out function
- > USB2.0 high-speed device

Product Structures

Respectively is: 1. Power key/ Transfer key/ UP direction key 2. Recording/Play key 3. Led indicator key/ DOWN direction key 4. LED light (Red & Blue) 5. LED light (Yellow) 6. Reset port/microphone hole 7. Waterproof plug/Waterproof cover 8. Camera lens 9. Led indicator 10. USB port 11. TF card port 12. Charging indicator 13. TV-OUT port 14. Base stand 15. Stand 16. Tail dot



• Installation (With Pictures)

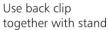
CSPRT can be used handheld or can be installed onto a bracket for use, as the picture below shows.

1. Remove the back cover: Rotate the back over simultaneously to push back outside, then you can remove the back cover



2. Installtion of CSPRT







Install to stand

Power

This product shall adopt the power certified by authority.

UL Mark U.S. Power Certification

C-TICK Mark Australia Power Certification

CE Mark European Union Power Certification

GS Mark German Power Certification
CCC Mark China Power Certification



Japan Power Certification UK Power Certification



U.S. Power Certification







Germany Power Certification



China Power Certification PSE Japan Power Certification



China Power Certification PSE Japan Power Certification



UK Power Certification

Notes: While powered on and in service product housing will increase in surface temperature this is a normal phenomenon. If portable power supply is needed, please remove power source from the outlet.

Packaging & Accessories Accessories:



Notes: Picture may be slightly different from the actual product and packaging shall be subject to change without further notice.

Functional specification

- 1. Starting up
- > Insert TF Card, press power key for 2 seconds. Release the button once the blue LED lights up. The product. will vibrate for a short period of time and then stop indicating that it has entered into Standby mode.
- > It may take a while to enter into Standby mode depending on the data storage capacity of the TF Card being used.
- > For the product video resolution is HD 720P, please use a brand high-speed(CLASS 6) TF card to avoid recording issues.

Note: The blue indicator flashes quickly when turned on without TF Card. Please turn off and insert TF card again.

2. Mode transfer

When it turns on, press the Transfer key once, CSPRT has 4 modes:

- Mode 1: Manual video recording standby mode, blue indicator will be constantly on.
- Mode 2: Manual photo taking standby mode, red indicator will be constantly on.
- Mode 3: Motion-detect video recoding standby mode, blue and yellow indicator are (motion-detect start) Both lights are will be on similtaneously.
- Mode 4: Motion-detect photo taking, red and yellow (motion-detect) indicators are on together at the same time.

Note:

- 1. The camera will shake once after pressing the key which indicates that the key is in effect, if the status indicator is not changed immediately, please don't press it again, the camera is saving data. This is a normal situation, please wait for a moment.
- 2. When it is transferred to other modes from motion-detect mode, the reaction will be faster if you shut out the lens.

3. Video Recording

In the manual video recording mode, press the execute key shortly, the camera will shake once, and the blue indicator flashes slowly and the camera begins to record video. Press the key again, the camera will shake once and blue indicator will be constantly on, indicating Standby mode and that recording has stopped.

Note:

- 1. Each video clip will be recorded to a maximum of 20 minutes. The file will be saved and recording will automatically resume on a new file once this limit is reached.
- 2. Please remove the waterproof plug for better audio recording when not in use underwater.
- 3. When the TF Card is full, battery is used up or goes into standby mode for 3 minutes, it will shut down automatically.
- 4. Photo Taking

In the manual photo taking standby mode, press the execute key, then please keep the camera still until it vibrates, a photo has been taken after vibration stops.

Note:

- 1. The red indicator will go out when it is taking photo, please keep it still for better picture quality!
- 2. When the TF Card is full, battery used up or standby mode for 3 minutes, it will shut down automatically.

- 5. Motion-detect video recording
- > When the camera captures mobile objects, it will record video for 10 seconds, 1min, 5mins, 10mins(depends on system setting) and save the video automatically, then it record next video and loop recording.
- > Motion-detect recording loop coverage: when the TF Card is full, the oldest videos and photos delete automatically one by one to acquire relevant space to store new videos. If the function is closed, the camera will power off automatically when the storage space is full.
- > Lasting time of video recording and motion-detect recording loop coverage function can be amended by the system settings, please refer to the system setup instruction.

Note:

- 1. When not in use underwater, please remove the waterproof plug for better audio recording.
- 2. When the TF Card is full (the loop coverage function closed) or battery used up, the unit will shut down automatically.
- 3. Enter into this mode, if you don't operate the unit for 3 minutes, LED light will turn off, the camera is still at work, press any key to instruct.
- 6. Motion-detect photo taking
- > When the camera captures mobile objects, it will take a photo automatically.
- > Motion-detect photo taking loop coverage: when the TF Card is full, it will delete the former videos or photos automatically one by one to acquire relevant space to store new videos. If the function is closed, the camera will power off automatically when the storage space is full.

Note:

- 1. When the TF Card is full (the loop coverage function closed) or battery used up, it will shut down automatically.
- 2. Enter into this mode, if you don't operate the unit for 3 minutes, LED light will turn off, the camera is still at work, press any key to instruct.
- 7. Turn on the LED light

Short press" Led light key "in the state of any mode(except TV-out playback mode), the LED light will circle in 3 modes;

If your choice is 8 high brightness white LED lights, please turn on it as below;

Mode1: Turn on the 8 white LED lights, it can record video in color.

Mode2: Turn on 4 LED white lights, Brightness abates and it can reduce power consumption.

Mode3: Turn off all the white LED lights.

If your choice is 4 LED white light and 4 LED infrared light, please turn on it as below; Mode1:

Turn on the LED white light, it can record video in color.

Mode2: Turn on LED infrared light, the video will be in black and white in the dark circumstance.

Cause the infrared lamp was invisible and hidden, so it can be used for surveillance.

Mode3: Turn off all the LED light.

Note: Press and hold down the LED light ""to turn off all the LED functions. The camera will shake when it is operated successfully.

8. Turn off and automatic turn off

In the standby mode, press and hold down the "power key" for two seconds, the blue light flashes 3 times and goes out, and then release your hand. The camera shakes twice, and then the camera turns off.

Note: The camera will turn off automatically when the TF Card is full (the loop coverage function closed), the battery is used up, the AV cable is disconnected, or there is no operation after 3 minutes, the red & blue light will flash alternately when you turn off the camera.

9. Downloading your content.

- > Please turn off the camera before connecting it to the computer.
- > The camera turns on automatically, and a removable disk will appear in "my computer", you can view the pictures or videos in the removable disk "DCIM/100DSCIM", and you can also copy these files to your computer.
- > When it is connected with USB1.1 port on computer, please copy the video to your computer desktop, and then replay it to avoid ragged playback.

Note: in the state of this mode, you can short press the "LED light "to turn on the light, can be used as a USB table lamp.

10. PC camera function

- > Install the CD driver software at the computer.
- > Turn on the camera, after the vibration stops, please connect it to the computer, at that time, a "camera" Icon will appear in "my computer", it enters into PC camera function.
- > Using the "third-party" applications software, you can also view real-time video of PC camera and save real-time video into the local computer, e.g. Amcap etc.

Note: in the state of this mode, you can turn on the white LED lights to achieve the better quality video.

11. Charging

- > Plug the AC adaptor into socket then connect with the camera for battery recharging. The red indicator turns on when charging. It turns off after the battery is full charged. The charging time is about 3 hours.
- > To avoid extended charge times, it is recommended that the camera be charged via the adapter. Charging via connection to the computer is not recommended.

Note: After connect with charger, camera will turn off automatically after 3 minutes, it's still charging after turns off.

12. Taking video when charging

Put the AC adaptor into socket, then connect with camera, the camera will turn on automatically and enter into the standby mode. The red LED is lit constantly indicating it's charging. In the meantime, each function is still available for operation.

Note: when the camera turns off automatically, if you want to use it again, disconnect the camera from the adaptor for about 5 seconds and then connect it again, the camera will restart.

13. TV-out function

- > Please connect the plug of a 2.5 ft. AV cable with the camera's TV-OUT port, the yellow plug connect with TV video input port(yellow), white plug connect with TV audio input port(white). Please set the signal input according to the user manual of TV.
- > Turn on camera, after a few seconds, the red and blue light turn on at the same time, the last photo or video will be appeared on the TV.
- > Manually play: by pressing 'up button or 'down button for browsing, when video camera Icon appears on

the top right corner, it indicates the file is video, press "confirm button" to play the video. Please set the TV volume in order to get proper sound effect.

- > Auto play: short press "confirm button" into auto play mode, when it plays the pictures, it will stay for 5 seconds then change to another one, when it plays the video, it will be replayed directly.
- > Stop auto play: during auto play mode, short press "confirm button" "to stop auto play
- > Stop TV-OUT: Please press the "power key" for long to turn off the camera.

Note: When play a large video file, unit pausesfor a few seconds to a minute, This is a normal occurence

14, Motion detect monitor mode

- >Connect the yellow plug with the TV video input port(yellow) white plug connect with TV audio input port(white).Please set the signal input refer to your TVs' user manual.
- > Turn on the camera, short press "Mode button" into motion detect video recording mode(yellow and blue light will hold on together)

Please connect the plug of 2.5ft. AV cable with the camera's TV-OUT, after few seconds, the video will be appear on the TV. In the meantime the camera will enter into the state of intelligent video recording, When object moves infront of the camera, the camera will record 10 seconds, 1min, 5mins, 10mins (depends on system setting) video file, and the cycle.

- > Short press "Mode button", camera will change to motion detect monitor photo taking mode (yellow and red light will stay lit). When object moves infront of the camera, it will start to take a photos automatically, depending on the selected cycle.
- > Motion detect video recording/ photo-taking loop recording: when TF card is full, the camera will delete the oldest videos or photos automatically one by one to acquire relevant space to store new videos or photos. If turn off loop recording function, the camera will turn off automatically when there is no longer enough space to record.
- > Video recording time and turn on/off loop recoding function can be changed by going into system setting, please refer to system settings instructions.
- > Stop motion detect monitor mode: Please press the "power key" to turn off the camera. Note:
- 1. During the recording, short press "Mode button Can change video and photo mode. Please obstruct the lens when changing the mode, the reaction will be fast
- 2. If not using the camera underwater, open the back cover to get a better recording for audio.

- 3. Enter into this mode 3 minutes later, LED light will turn off, the camera is still at work, press any key to instruct.
- 15, system parameter setting
- > Please refer to TV- OUT operation into TV-OUT mode. Long press "confirm button"
- > Button function: short press "oo"choose or quit different setting, short press"ou "as up button, short press
- "as down button, long press "o" save and quit the setting.
- > setting items:
 - 1. Quality: Fine, Standard, Economy Introductions: Set the quality of the video, the consumption of recorded space will increase with the selection of a higher video quaility.

Note: Please use a name brand high-speed (CLASS 6) TF Card, to avoid the video pause when you record the video!

2. MD capture time: 10 seconds, 1 minute, 5 minutes, 10 minutes Illuminate: Set a motion-detect video recording time, this will save drive space for recording video

3. MD auto delete: on/off

Illuminate: Setting loop recording function. When TF card is full under the motion detect mode, the camera will delete old file automatically to start new recording. If turn off this function, the camera will turn off when TF card is full.

4. Date Input:

Illuminate: If the time stamp is wrong, please set correct time and date.

5.Light frequency: 60Hz \, 50Hz

Illuminate: Setting light frequency according to electricity frequency will stop an incorrect vdieo signal flashing.

6. TV Output: NTSC, PAL

Illuminate: When use TV-OUT function, choose the right video formation will show the right image on TV

- 7. Language: English, Français, Deutsch, Italiano, Español, Português, Chinese Traditional, Simple Chinese, Japanese
- 8. System Reset: Cancel/Execute

Illuminate: If you want to reset the system, choose "Execute", and short press " • ".

Note: System time won't be reset.

9. Time Stamp: date and time, off

Note: it is used for opening or closing images watermark markers

10. Version

Note: Use for viewing the software version and related information

16. System time setting

If the time stamp is wrong, please check setting as below:

Method 1: Setting by TV, please refer to system parameter setting.

Method 2: Setting by computer

- 1. Turn off the camera;
- 2. Connect with computer by USB cable;
- 3. Open U-disk

- 4. Create a new "time.txt" file.
- 5. Open"time.txt" file and input relevant words of time&date setting up, as following

"year.month.date hour:minute:second on/off"

(Keep a space between date and time, and another space between time and water mark switch).

Please set time and date as per the following format:

Video with time watermark: 2011.03.22 20:00:00 Y Video without time watermark: 2011.03.22 20:00:00 N

Precautions:

The time character strings in the above-mentioned format is the time value you want to set up and pay attention to type a spacebar between date and time, another spacebar between time and watermark switch. Y and N at the end serve as the control character on the video file for adding the time&date watermark, Y indicates Yes-Add watermark and N indicates No-Hide watermark.

- 6. Save "time.txt" file and safely exit the movable disk.
- 7. Then turns on the power, the system time will be updated.

Note: If the camera is left unused for extended periods, the battery may completely drain. When this happens the system time will be restored back to the factory defaults.

17. Reset the system

If the camera becomes inoperable or jammed for any reason, please use a pin to press the pin hole. This will shut the camera down so that a fresh start can be made.

Parameters

Effective Pixels	5.0 Mega CMOS SENSOR
Photo format	JPG 2560*1920
Video format	AVI HD 1280* 720
Frames	30fps
MD time setting	10sec、1min、5 min、10 min
MD loop coverage	Support turn on and off
Video quality setting	Superior, Standard, economic
Shooting Angle	120 degree wide-angle
Illuminant frequency set	60Hz、50Hz
Video output format	NTSC、PAL
Vibrating alert	Support
Battery Capacity	3.7V/ 850mAh
Power consumption	Below 1W
Continuous video recording time	About 3 hours (led indicator closed)
AC Adaptor spec	DC5V 1A or more
Charge time	About 3 hours
USB Interface	USB2.0 High Speed
Memory type	Micro SD Card (TF card)
Memory card	1GB-32GB
Waterproof Depth	20 meters

Weight	75g
Product Dimensions	90*41*36mm

Notes: The above-said parameters may be changed with upgrading or updating, if there is any changes, they shall be subject to the actual items.

System

- 1. Operation system: Microsoft Windows2000/XP/VISTA/WIN 7
- 2. CPU: Intel Pentium III processing 667 MHZ or equivalent CPU
- 3. 256MB sound card and graphics card support DirectX8 or higher.
- 4. USB1.1 or USB2.0 interface,
- 5. 1GB or more free disk space.