2.4G /5.8G Wireless Mini DVR

Thank you for purchasing the RodStation Wireless DVR. This handbook will help you to operate the DVR.

NOTES

Our company is only responsible for maintaining and repairing the problems arising from correct use of the product. We are not responsible for any personal data deleted and lost caused by wrong operation, product repair or other case. We are also not responsible for any other indirect loss caused by incorrect use, damage or failure to follow instructions.

Any modify of software, hardware, introduction of this product will not be notified separately.

Content

Notes

Dear customers, thank you for choosing our products.

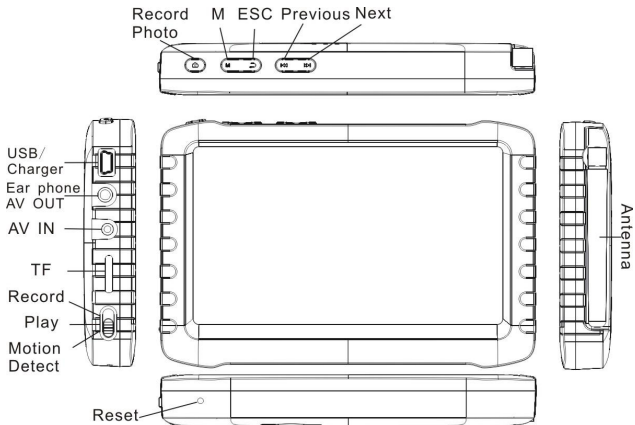Please read the following instructions carefully before using:

- Must not be used in high temperature or a high humidity environment, especially in the bathroom with high temperature. 0~40℃ is the best working temperature for DVR.
- Avoid putting DVR in a place where the sunshine penetrates directly.
- Please insert or take out the SD card only after the DVR power is off.
- Put it in the place where the children are not able to touch, in case it falling down or against sharp objects, which will bring serious damage to the machine.
- Please do not dismantle the DVR without authorization. If any query, please contact us
- Please do not change or poke the battery or place the battery in near to fires due to risk of explosion.
- We suggest our customers copy any data in case of any loss caused by unstable power supply.
- When inserting the SD card, please make sure the inserting direction is correct. Otherwise it will damage the card slot.
- DO NOT use this product to violate others' privacy. Monitoring others' activities without consent is illegal and this product is not designed and manufactured for such purpose;
- DO NOT use this product for any illegal activities. We shall not be responsible for any consequences of illegal acts committed by the user.

Basic Information

Basic Information:

- **Display:** 5-inch HD screen (800X480pix).
- **Wireless Receiving**：Built-in 2.4G/5.8G wireless receiving module.
- **Channel Switch**：Supports manual & automatic switch between 8 channels.
- **Antenna**: Folding hidden external antenna assures excellent wireless receiving.
- **Recording**: Supports seamless cycle and continuous video from wired/wireless cameras
- **Photo**：Supports function of taking pictures either from wired or wireless cameras.
- **AV IN**：TV-IN [NTSC / PAL].
- **AV OUT**：[NTSC / PAL].
- **Battery**：Built-in 3200mAh high capacity Li-battery, which continuous record over 10 hours.
- **Speaker**: Built-in speaker of 1W.
- **Storage:** Supports up to 32GB TF card.
- **Language:** Supports multi-language.
- **Supports Power-saving Mode**: automatic shutdown, automatic off-screen.
- **Automatic upgrade**: Supports system automatic upgrade.

Buttons & Interface

Record   M ESC Previous Next
Photo

USB/
Charger
Ear phone
AV OUT
AV IN
TF
Record
Play
Motion
Detect

Antenna

Reset

Tips for symbols

Record   Photo   Motion Detect   Cycle Recording   SD Card   Battery

How to Charge

1. Notice before operation

   Battery capacity symbols:

▮▮▮▮	▮▮▯	▮▯	▮
Full	Half	Little	Running out please charge

   Tips: The possible reason for being unable to power on DVR is battery running out. Please operate it after charging by AC adapter or PC.

2. How to charge

   Charge 4~6 hours for fully charged. Unplug the charger until the battery status is full.

Notice:

A. This charger is for this machine use only. Do not leave the charger in a humid place. Unplug the charger and keep it safe after charging. Do not repair, break down or remake the charger.

B. For better performance, please charge the brand new machine for more than 6 but less than 10 hours for the first time. New battery will reach best performance after a few times of full charge and discharge.

C. If no need to use for an extended period it is recommended to charge the DVR every 2~3 months and keep it switched off.

Basic Operation

1. Power On/Off:

Press " M " to power on, DVR is on working state; press " M " again to power it off.

2. Selection of wired/wireless receiving mode:

Plug in wired camera, DVR automatically switch to wired receiving mode; pull wired camera out, DVR automatically comes into wireless receiving mode. When it's in wireless receiving mode, screen will show channels (CH1…CH8) and frequency (2.4G/5.8G).

3. Working mode switch (switcher located at the left corner**):**

When it switches to "📷", DVR is in state of receiving/record/photo；

When it switches to "▶", DVR is in the sate of play;

When it switches to "🏃", DVR is in the state of motion detection.

4. External Storage card

Only after storage card being plugged in, this DVR can record or take photos. Screen will show symbol of SD card & remaining capacity.

5. Working as a U-disk

Connect DVR to computer and power it on, it will work as a U-disk. Open the removable disk in the computer, you'll find the videos and photos in " RECORD" and " PHOTO" files under "DICM" directory.

Record & Photo

Power DVR on, and select working mode to "📹", it is in recording/photo mode.

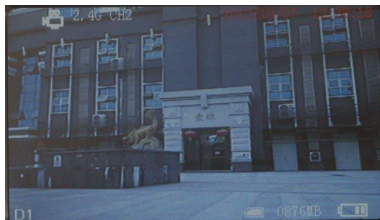**1. Photo:** Under "📹" mode, press "📷" once, symbol "📷" flashes once, and get one picture.

2. Record: Under "📹" mode, press "📷" for 3 seconds, DVR start to record, and screen shows "REC". Press "↩"again to pause, screen shows "∥"; press "📷" one more time, it continue to record. Press "↩" to end, it will save automatically and exit. If not press "📷", the system will automatically save video in segments until storage card is full.

Record & Photo

While if "Overwrite" is turn on, not press "📷" to end recording, system will automatically save video in segments. And when the card is full, it will overwrite the earliest recording and save the latest one, keep cycle recording.

3. Channel Switch: Under wireless receiving mode, press "⏭"/ "⏮" to switch channels. Screen will display your selected channel.

Record & Photo

3. **Mute:** Under " 🎥 " mode, press " M " to enter state of mute. Screen displays "MUTE". Speaker no sound; press " M " again to recover sound.

Note: Mute setting will not affect earphone.

Motion Detect

1. Power DVR on, and select working mode to "🏃", to activate motion detect mode. Press "⟲" to exit and go back to system/function menu.

2. Under "🏃" mode, press "📷" for 3 seconds to start motion detect recording. When moving objects appear, system will automatically start to record, and screen show "REC". After 10 seconds without moving objects, system will automatically end recording and save to exit, waiting next motion. To end motion detect recording, press "📷", it will save automatically and exit

3. If not press "📷" to end recording, the system will automatically save in segments until storage card is full. While "Overwrite" is turned on, do not press "📷" to end recording, the system will automatically save in segments. When the card is full, it will overwrite the earliest video and save the latest one, keep cycle recording.


Note: Under wireless mode, please assure stable signal and no noise, or it will mistakenly detect.

Play Video/Photo

When working mode selected to "⏺", it will play video & photo. Press "▶▶"/"◀◀" to select "Photo" or "Video". Press "↩" to exit back to main menu.

**1**. **Play Video**: When you select "Video", press "📷" to enter into date folder. Press "▶▶"/"◀◀" to select date, and press "📷" to enter into time phased video files. Press "▶▶"/"◀◀" to select, and press "📷" to play video. Press "▶▶"/"◀◀" to adjust volume. Press "▶▶" long time to fast forward; press "◀◀" long time to rewind; press"📷" to pause; press"📷" again to release pause; press "↩" to exit.
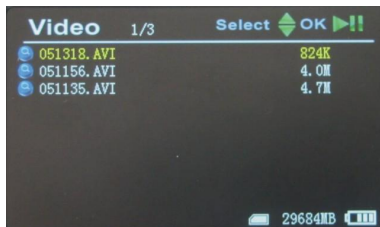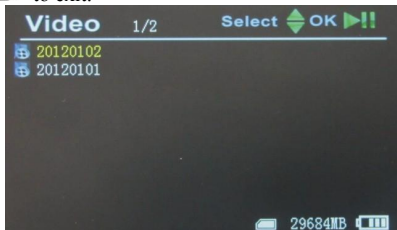
Play Video/Photo

2. Play Photos: Select "Photo", and press "📷" to enter into photo files. Press "▶▶"/"◀◀" to select pictures, then press "📷" to view. Press "▶▶" to view next one; press "◀◀" to view previous one. Press "⤴" to exit.
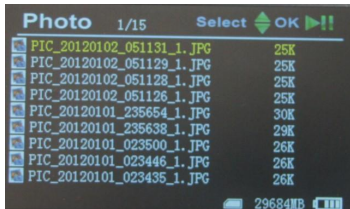
3 Delete Photo & Video: Under working mode, press "▶▶"/"◀◀" to select files. Press "M" to get a dialogue. Press "▶▶" / "◀◀" to select "All/Current" / "Cancel"., Press "📷" to confirm.

Function Settings

Power DVR on, working mode switched to "🎥" / "🎙", press "⮐" to enter into function and system setting menu. Press "▶▶"/"◀◀" to select "Function", then press "📷" to enter into function menu.
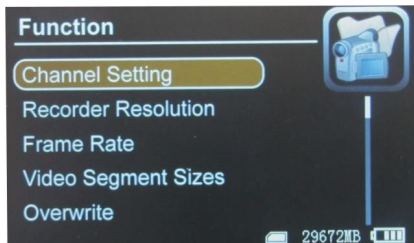
1. Channel Setting: Press "▶▶"/"◀◀" to select "Channel Setting", and then press "📷" to enter.
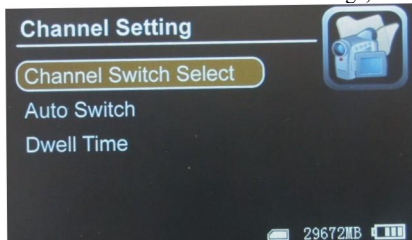
Function Settings

1) Channel Switch Select: Press "▶▶"/"◀◀" to select " Channel Switch Select", and press "📷" to enter. Press "▶▶"/"◀◀" to select channel and press "📷" to turn it off/on. Press "⏎" to exit.
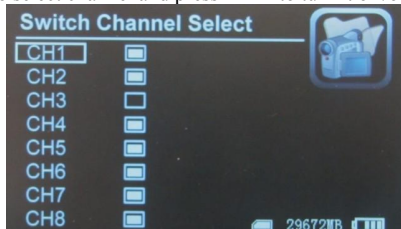
2) Auto Switch: Press "▶▶"/"◀◀" to select "Auto Switch", and press "📷" to enter. Press "▶▶"/"◀◀" to select "Off" / "On", then press "📷" to confirm and exit.
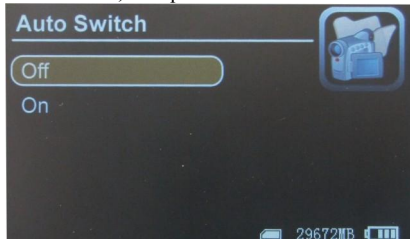
Function Settings

3）Dwell Time：Press "▶▶"/"◀◀" to select "Dwell Time" and press "📷" to enter. Press "▶▶"/"◀◀" to adjust dwell time. Then press "📷" to confirm and exit.
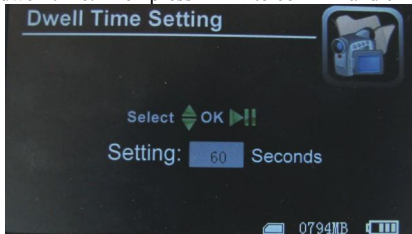
2. Recorder Resolution: Press "▶▶"/"◀◀" to select "Recorder Resolution" and press "📷" to enter. Press "▶▶"/"◀◀" to select "720X576" / "720X480". Press "📷" to confirm and exit.
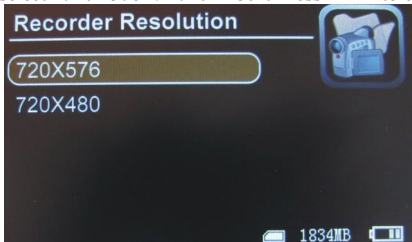
Function Settings

3. Frame Rate: Press "▶▶"/"◀◀" to select "Frame Rate" and press "📷" to enter. Press "▶▶"/"◀◀" to select "30 FPS"/"25 FPS", and press "📷" to confirm & exit.
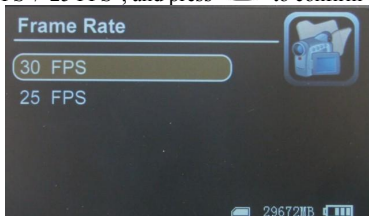
4. Video Segment Sizes: Press "▶▶"/"◀◀" to select " Video Segment Sizes", then press "📷" to enter. Press "▶▶"/"◀◀" to select "10 MIN"/"30MIN"/"60 MIN". Press "📷" to confirm & exit.
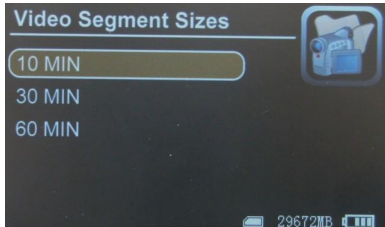
Function Settings

5. Overwrite: Press " ▶▶ "/" ◀◀ " to select " Overwrite", and press " 📷 " to enter. Press " ▶▶ "/" ◀◀ " to select "Off"/ "On", and press " 📷 " to confirm & exit. If "Overwrite" is on, DVR will cycle record, and save the latest video.
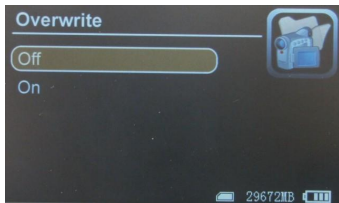
6. Time Stamp: Press " ▶▶ "/" ◀◀ " to select "Time Stamp", and press " 📷 " to enter. Press " ▶▶ "/" ◀◀ " to select "Off"/ "On", and press " 📷 " to confirm & exit. If it's on, video will be saved with synchronous time.
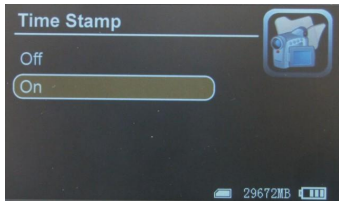
7. Information Display: Press "▶▶"/"◀◀" to select "Information Display", and press "📷" to enter. Press "▶▶"/"◀◀" to select "Off"/ "On", and press "📷" to confirm & exit. If it's on, the screen will display information of working frequency, channel, audio state, date & time, etc. If select "Off", all the information will not be displayed.
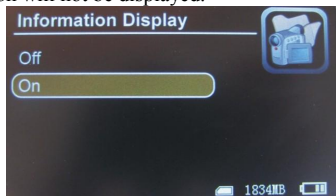
8. Video Setting: Press "▶▶"/"◀◀" to select "Video Setting", and press "📷" to enter. Press "▶▶"/"◀◀" to select "Brightness" or "Contrast"; then press "📷" to enter; then press "▶▶"/"◀◀" to adjust brightness or contrast. Press "⏎" to exit
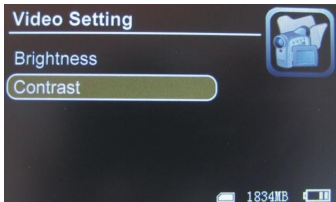
System Settings

Power DVR on, working mode switched to "📹" / "📷", press "⬅" to enter into function & system setting. Press "▶▶"/"◀◀" to select "System"; then press "📷" to enter into system menu.
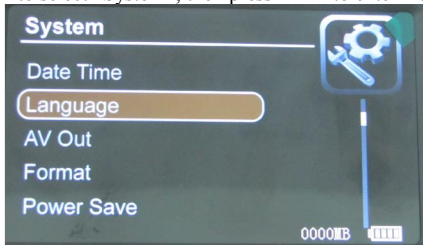
1. Date time: Press "▶▶"/"◀◀" to select "Date Time", and press "📷" to enter. Press "📷" again to move the cursor, and press "▶▶"/"◀◀" to adjust date & time. Press "⬅" to exit.

System Settings

2. Language: Press "▶▶"/"◀◀" to select "Language", and press "📷" to enter. Press "▶▶"/"◀◀" to choose your language. And press "📷" to confirm and exit.
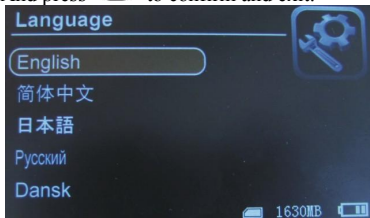
3. AV Out: Press "▶▶"/"◀◀" to choose "AV Out", and press "📷" to enter. Press "▶▶"/"◀◀" to choose "PAL/NTSC", Press "📷" to confirm video displayed on TV screen. Pull out AV cable, video will go back to the DVR screen.
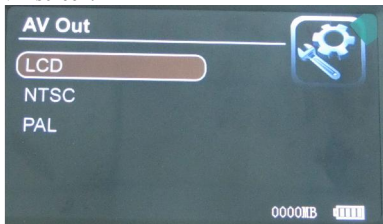
System Settings

4. Format: Press " ▶▶ "/" ◀◀ " to select "Format", and press " 📷 " to enter. Press " ▶▶ "/" ◀◀ " to choose "Yes". Press " 📷 " to confirm & exit.
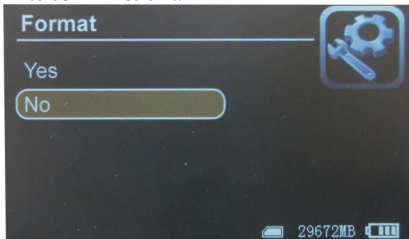
5. Power Save: Press " ▶▶ "/" ◀◀ " to select "Power Save", and press " 📷 " to enter:
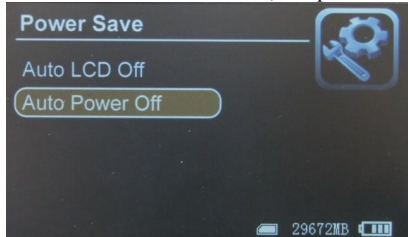
System Settings

1) Auto LCD Off: Press " ▶▶ "/" ◀◀ " to select " Auto LCD Off", and press " 📷 " to enter. Press " ▶▶ "/" ◀◀ " to select " 1 MIN"/ "5 MIN"/ "Off", and press " 📷 " to confirm & exit. If you turn on " Auto LCD Off", LCD screen will automatically shut off when the set time is due. Press any key to recover the screen display.
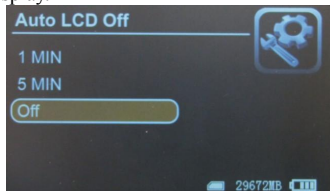
2) Auto Power Off: Press " ▶▶ "/" ◀◀ " to select " Auto Power Off", and press " 📷 " to enter. Press " ▶▶ "/" ◀◀ " to select " 5 MIN" / "10 MIN" / "Off", and press " 📷 " to confirm & exit. If you turn on " Auto Power Off", DVR will automatically shut off when the set time is due.
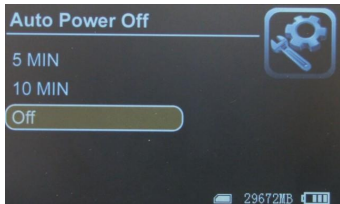
System Settings

6. Firmware Update: Press "▶▶"/"◀◀" to select "Firmware Update", and press "📷" to enter. Press "▶▶"/"◀◀" to select "Yes", and press "📷" to start update. Please remember to save update file "*zburnT_C11.run.elf*" at root directory of SD card.
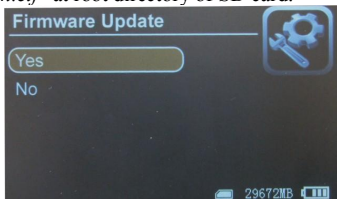
7. Default Setup: Press "▶▶"/"◀◀" to select "Default Setup", and press "📷" to enter. Press "▶▶"/"◀◀" to select "Yes" and press "📷" to confirm. Press "⮐" to exit.
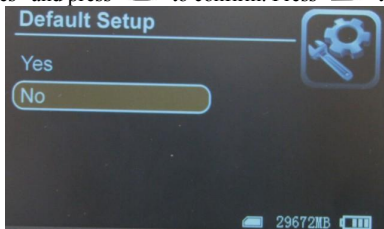
System Settings

8. Memory Info: Press" ▶▶ "/" ◀◀ " to select "Memory Info", and press " 📷 " to view capacity of SD card. Press " ↩ " to exit.
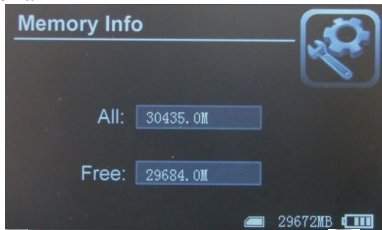
9. Version: Press " ▶▶ "/" ◀◀ " to select "Version", and press " 📷 " to view version information. Press ↩ to exit.
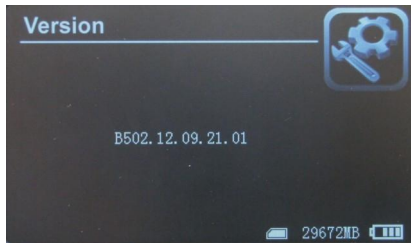
System Settings

10. **Display Mode**：Press "▶▶"/"◀◀" to choose "Display Mode". Press "▶▶"/"◀◀" to choose "16:9/4:3". Then press 📷 to confirm. Press ⏎ to exit.
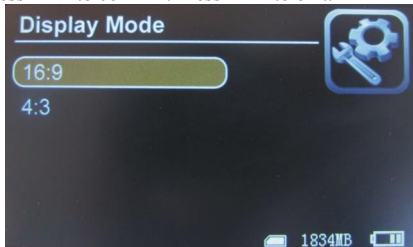
Trouble Shooting

Trouble Shooting:

1. If the DVR can't power on there may no power. Please recharge the DVR;
2. System halted: Press the RESET key to turn on player again;
3. It can not play：Maybe the format of video file is not supported by this DVR, please convert it into the supported format.
4. The text is in messy code: Make sure the correct language is selected.
5. If you can't upload / download files or can't find the disk in PC: Replace USB cable/USB port.
6. If you can not save your file check the SD card is in DVR. Please insert SD card; or if the SD card memory is full, please delete some files to release memory.

Specifications

Items			Value
Wireless Receiving	**Wireless freq.（1of 6 groups**	2.4GHz–8 channels	CH1: 2414MHz; CH2: 2432MHz; CH3: 2450MHz; CH4: 2468MHz. CH5: 2490MHz; CH6: 2510MHz; CH7: 2390MHz; CH8: 2370MHz
		Within 5.8G-A 8 channels	CH1: 5865MHz; CH2: 5845MHz; CH3: 5825MHz; CH4: 5805MHz. CH5: 5785MHz; CH6: 5765MHz; CH7: 5745MHz; CH8: 5725MHz
		Beyond 5.8G-B 8 channels	CH1: 5705MHz; CH2: 5685MHz; CH3: 5665MHz; CH4: 5645MHz. CH5: 5885MHz; CH6: 5905MHz; CH7: 5925MHz; CH8: 5945MHz
		Within 5.8G-C 8 channels	CH1: 5733MHz; CH2: 5752MHz; CH3: 5771MHz; CH4: 5790MHz. CH5: 5809MHz; CH6: 5828MHz; CH7: 5847MHz; CH8: 5866MHz
		Within 5.8G-D 7channels for FPV	CH1: 5740MHz; CH2: 5760MHz; CH3: 5780MHz; CH4: 5800MHz. CH5: 5820MHz; CH6: 5840MHz; CH7: 5860MHz; CH8: SPI
		Beyond 5.8G-E 7 channels for FPV	CH1: 5705MHz; CH2: 5685MHz; CH3: 5665MHz; CH4: 5645MHz. CH5: 5885MHz; CH6: 5905MHz; CH7: 5925MHz; CH8: SPI
	Sensitivity		-92dB
AV IN	TV system		NTSC / PAL
	Output voltage		3.6-4.2 V
AV OUT	TV system		NTSC / PAL
HD 5-inch LCD screen	Active area		108mm(W) X 64.8mm(H)
	Resolution		800 X 480 Pixel
	Luminance for LCM		200 cd/㎡
Video	Resolution		720*576 / 720*480
	Video compress		MPEG-AVI 30fps
	Play format		MPEG-AVI

Specification

Items		Value
Audio	Subcarrier frequency	2.4GHz:6.0MHz; 5.8G-A/B/C:6.5MHz; 5.8G-D/E:6.0/6.5MHz
	Earphone Frequency Range	20HZ-20KHz stereo
	Earphone Output	Left: 20MW+ right 20mW [16O](suit to largest volume)
	Speaker	1W
Photo	Format	JPG/JPEG
Storage	External SD card	TF card 1GB-32GB（optional）
	32GB recording time	10-32 hours
	1GB photos	15625pcs
Operating system	PC	Windows & Mac OS
	Port	USB 2.0
	Language	Multiple
Power	Voltage	DC 5V
	Current(receiving mode)	660MA
	Current(recording mode)	680MA
	Current（recording with off-screen mode）	340MA
	AC adapter	DC 5V 2A
	Built-in battery	Li-battery 3200Mah
Standby time	Wireless record	≥9.5 hours(off-screen); ≥5hours（on-screen）
	Wired record	≥12 hours(off-screen); ≥6hours（on-screen） *LED camera not included.
Size (L x W x H)		131mm x 86mm x 18mm
Weight(g)		205g

Package Content

The following items are all included. Please check:

DVR main body
User manual
USB Cable
AV-IN Cable
AV-OUT Cable
DVR Charger
Back DVR holder
FREE Mini SD card
Antenna Switch Cable
Instruction Manual

When Purchased as a camera kit the below is included
Camera Ball (including wireless camera) and 2 sets of adjustable arms
Instruction Manual
Camera Charger