ROD STATION®

CHIMNEY RODS & BRUSHES

Superbright HD Camera Kit

User Manual

www.rodstation.co.uk

Rodstation Superbright HD Camera Kit

Thank you for purchasing the Rodstation Superbright High Definition Camera Kit. This handbook will help you to operate the DVR and 18 Metre Wired Camera.

Rodstation is only responsible for maintaining and repairing the issues arising from correct use of the product. Rodstation are not responsible for any personal data deleted, lost or damage caused by wrong operation, product repair or any other causes. We are also not responsible for any other indirect loss caused by incorrect use, damage or failure to follow instructions. In the event of a warranty claim please download and complete a warranty return form which can be downloaded at www.rodstation.co.uk/warranty/.

IMPORTANT INSTRUCTIONS

- ENSURE that the camera is connected to the monitor when turning on the system
- When lowering the camera into a flue from above ensure the camera is lowered whilst connected to rods
- DO NOT connect the rods to a power drill when the camera is attached, this will result in damage to the cable
- TO ENSURE excessive tangling of the cable is prevented check the direction the camera is positioned within the flue, keep as central as possible and keep the cable as straight as possible.

Contents

Notes 1

Basic Information 2

Buttons & Interface 3

Installation of the Camera 4

Attaching & Removing the Sunshield Cover 5

Charging the DVR 6

Basic Operation 7

Recording & Photo 8,9

Play Video & Pictures 10,11

System Settings 12-19

Trouble Shooting 20

Specifications 21,22

Package Content 23

Notes

Dear customer, thank you for choosing our products.
Please read the following instructions carefully before using:

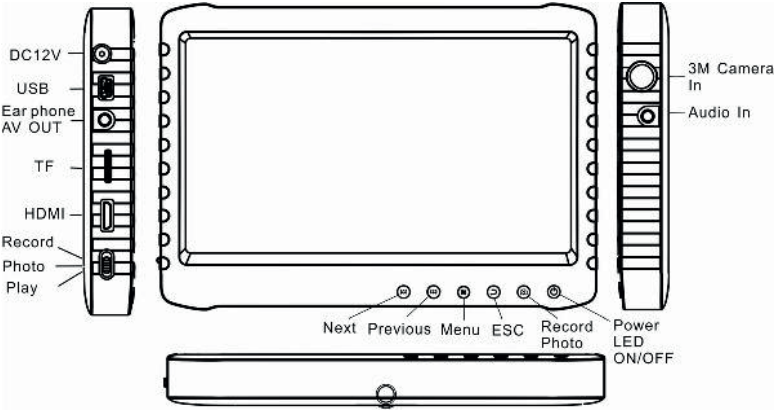
- Must not be used in high temperature or a high humidity environment, 0~40℃ is the best working temperature for the DVR.
- Avoid putting the DVR in direct sunlight.
- Please insert or take out the SD card only after the DVR power is turned off.
- Please do not dismantle the DVR without authorization. If you have a query, please contact us.
- Please do not change or poke the battery or place the battery close 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:

- **Camera:** 2 sets full HD 1080P cameras
- **Night vision:** 6 pcs Led
- **Camera resolution:** 5.0 MP 3200*1800 pixel
- **Metal monitor bracket:** adjustable
- **Monitor:** 7-inch HD screen with sun visor
- **HD Video Output Interference**：FPD-Link Ⅲ
- **Video Storage Pixels**: HDMI：1920* 1080
- **Video Compression Format:** H.264
- **Photo Format**：JPG 5.0Mega 3200（H）×1800（V）.
- **Battery**：Built-in 5000mAh high capacity Li-battery.
- **Working Time**: 8 hours
- **Working Voltage**: 5-24V
- **Storage:** Supports up to 64GB TF card.
- **Language:** Supports multi-language.
- **Supports Power-saving Mode**: automatic shutdown, automatic off-screen.
- **Automatic upgrade**: Supports system automatic upgrade.
- **Video Output:** HDMI, AV-OUT

Buttons & Interface



Tips for symbols

Installation of Camera

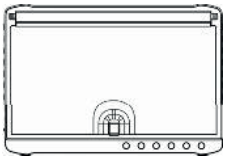
Connect the five core aviation plug of camera to the DVR unit ensuring the red dot on the plug is pointing towards the back of the DVR. Press " " to turn on LED light, Press " " again to turn off the LED light.

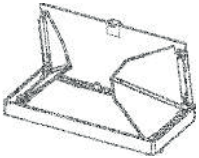
Connect the camera ball to a 1/2" Whitworth rod fitting

Attaching & removing the Sunshade Cover

The bottom of sunshade cover has 4 buckle pins. Please aim them at the button holes on monitor and push gently to load the cover into position. If you need to remove the cover just gently push it to the opposite direction.

To open the sunshade cover push up the button in the middle of the front cover.





Charging the DVR

1. Notice the battery capacity symbols before charging:

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

2. How to charge

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

Note:

A. This charger is for this machine use only. Do not leave the charger in humid environment. Unplug the charger and keep it safe in the camera case after charging. Do not repair or modify the charger.

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

C. If you may not require the camera for a long period of time, it is recommended to charge the monitor every 2~3 months and then keep it switched off.

Basic Operation

1. Power On/Off:

Press " " to power on, check the moniter is operating and the Rodsation® Logo will apear on the monitor; to power off press " " again for a longer period.

2. LED light turn on mode selection:

Turn on the monitor, LED is off. Press " " to turn on LED light, Press " " again to turn off the LED light.

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

When it switches to " ", monitor is in state of receiving/record ;

When it switches to " ", monitor is in the state of take photo ;

When it switches to " ", monitor is in the state of playback.

4. External Storage card

Only after the Mini SD card is plugged in will the record and photo facilities be available. Screen will show symbol of card & its remaining capacity.

5. Working as a U-disk

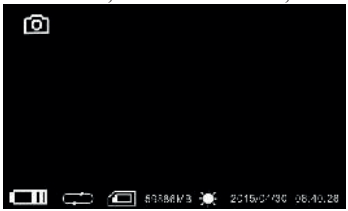
Connect monitor to computer and power it on, it will work as a U-disk. Open the removable disk in the computer, you'll find the videos and photos in " RECORD" and " PHOTO" files under "DCIM" directory.

Record & Photo

Power monitor on, and select working mode to “ ”, it is in recording/photo mode.

1. **Record:** Under “ ” mode, press “ ”, monitor starts to record, and screen shows red “ ”. Press “ ”again to pause and store, 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.

2. **Photo:** Under “ ” mode, press “ ”once, screen flashes once, and takes one picture.



Record & Photo

While “Overwrite” is turned on, do not press “ ” to end recording, system will automatically save the video in segments. And when the card is full, it will overwrite the earliest recording and save the latest one, keep cycle recording.

3. Mute/Sound: Under “ ” mode, recordings are mute, press Ⓜ to allow sound. Press Ⓜ again and the screen displays “MUTE”. Speaker no sound;

Note: Mute setting will not affect earphone.(Only the monitor has audio function)

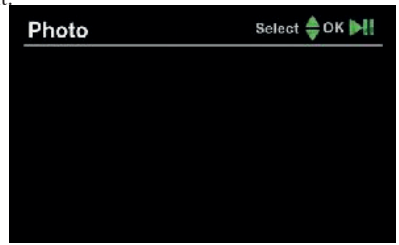
Play Video/Photo

When working mode selected to “ ”, it will play video & photo. Press / to select “Photo” or “Video”. Press “ ” to exit and 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. Hold down “ ” to rewind; hold down “ ” to fast forward; 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 previous photo; press " " to view next photo. Press " " to exit.



3. Erasing Photo & Video：Under working mode, press " / " to select files. Press " " to get a dialogue. Press " / " to select 'All/Current' / 'Cancel'. Press " " to confirm.

System Settings

Press "Ⓜ" to enter system.

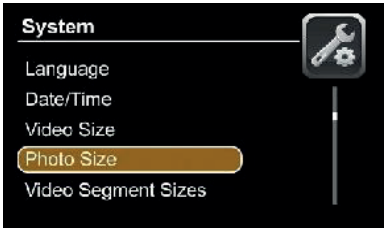
1. **Language:** Press "⏮/⏭" to select "Language", and press "📷" to enter. Press "⏮/⏭" to choose your language. And press "📷" to confirm and exit.

2. **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.

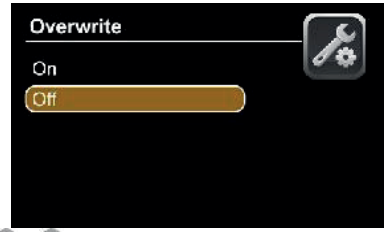
3. **Video Size**: Press ⏮ / ⏭ to select “Video Size” and press “ 📷 ” to enter. Press ⏮ / ⏭ to select “848X480”/“1280X720”/“1920X1080”. Press “ 📷 ” to confirm & exit.

4. **Photo Size**: Press ⏮ / ⏭ to select “Photo Size” and press “ 📷 ” to enter. Press ⏮ / ⏭ to select “2M”/“3M”/“5M”Press “ 📷 to confirm & exit.

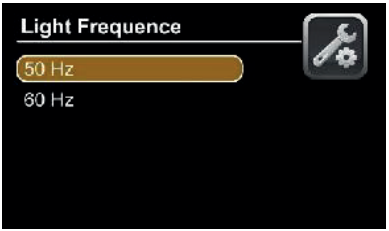
5. **Video Segment Sizes**: Press ⏮ / ⏭ to select “Video Segment Sizes” and press “ 📷 ” to enter. Press ⏮ / ⏭ to select “10mins”/“30mins” Press “ 📷 to confirm & exit.



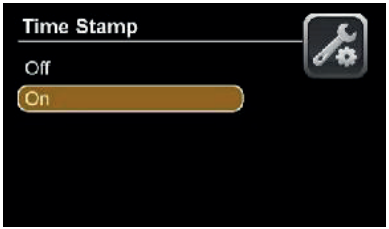
6. Overwrite: Press ⏮ / ⏭ to select " Overwrite", and press " 📷 " to enter. Press ⏮ / ⏭ to select "Off"/ "On", and press " 📷 " to confirm & exit. If "Overwrite" is on, monitor will cycle record, and save the latest video.



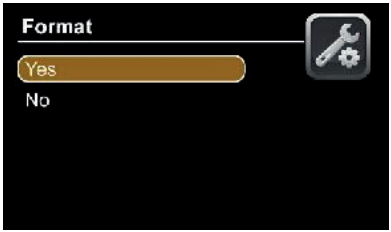
7. Light Frequence: Press ⏮ / ⏭ to select "Light Frequence" and press " 📷 " to enter. Press ⏮ / ⏭ to select "50PS"/"60PS", and press " 📷 " to confirm & exit.



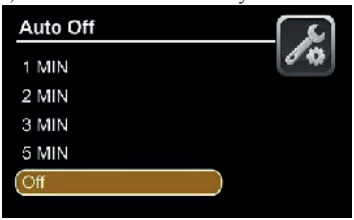
8. **Time Stamp:** Press ·⏮/·⏭ to select "Time Stamp", and press "📷" to enter. Press ·⏮/·⏭ to select "Off"/ "On", and press "📷" to confirm & exit. If it's on, video will be saved with synchronous time.



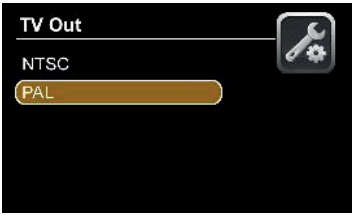
9. **Format** : Press ·⏮/·⏭ to select "Format", and press "📷" to enter. Press ·⏮/·⏭ to choose "Yes". Press "📷" to confirm & exit.



10. **Power Save**: Press ⏮ / ⏭ to select " Power Save " , and press " 📷 " to enter. Press ⏮ / ⏭ to select " Auto LCD Off" / "Auto Power Off" and press " 📷 " to confirm & exit. If turn on " Auto Off", monitor will automatically shut off when the set time is due.



11. **TV Out**：Press ⏮ / ⏭ to choose "TV 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 monitor screen.



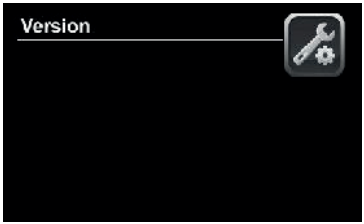
System Settings

12. **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 TF card.

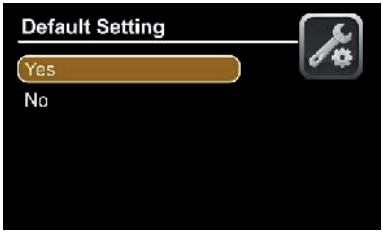
13. **Memory Info**: Press ⏮/⏭ to select "Memory Info", and press "📷" to view capacity of card. Press "⏎" to exit.

System Settings

14. **Version:** Press ⏮ / ⏭ to select "Version", and press "📷" to view version information. Press ⮌ to exit.



15. **Default Setup:** Press ⏮ / ⏭ to select "Default Setup" and press "📷" to enter. Press ⏮ / ⏭ to select "Yes" and press "📷" to confirm. Press "⮌" to exit.



Trouble Shooting

Trouble Shooting:

1 The unit won't power on: There may be no power in the unit, try recharging.

2 System halted: Press the RESET key on the bottom right corner, turn on the unit again.

3 It cannot play：Maybe the format of video file is not supported by this monitor, please convert it into the supported format.

4 The text is in different code: Make sure the correct language is selected.

5 It can't upload / download files or can't find the disk in PC: Replace USB cable/USB port.

6 It cannot save file：SD card is not in the monitor, please insert SD card; or SD card memory is full, please delete some files to release memory; or there is damaged area in memory, please format it.

7 No Picture: please ensure there is no damage to the cable, straighten out and check.

8 There is no picture on the monitor: please check the video mode is selected.

Specifications Camera

HD 1080P 16 Metre Cable Camera	Optical Total Pixels	5.0Mega：3200（H）×1800（V）
	CMOS Sensor Size	5.07mm（H）×3.38mm（V）
	LED lamps	6 pcs LED lamps light
	Sensitivity	0.2Lux/F1.2
	Lens & View angle	0.5mm F1.2 120 °
	Optical Element	1/3 CMOS Sensor
	Dimension & Weight	18 x 28mm, 10g
	HD Video Output	HDMI：1920* 1080；1280*720

Specifications Monitor

7" HD 3 Megapixel Colour Monitor	Video Compression Format	H.264
	Video Storage	AVI
	HD Digital Video Input Interface	FPD-Link Ⅲ
	Photo Format	JPG 5.0 MP ：3200（H）×1800（V）
	Storage External SD card	SD card 1GB-64GB（Optional）
	Language	Multiple
	Voltage	DC :7-24V USB DC:5V
	Current（Monitor mode）	600 mA
	Current（Video mode）	700 mA
	AC Adapter	DC 12V 1A
	Built-in Battery	Li-battery 5000mAh
	Record time	8 hours
	Dimension:	177mm x120mm x 20mm
	Sunshade	One-press open sunshade
	Weight	350 g

Package Contents

The following items are supplied in a heavy duty Rodstation Case.

HD DVR Main Body
User Manual
HDMI Cable
USB Cable
Quick Start Guide
Mini SD Card
DVR Charger
Adaptor to 3/4"
Rodstation Carry Case