2.4GHz Wireless Digital Four Quad DVR

i . Product Introduction

This product is a cost-effective wireless digital security system for home use, this device adopt dynamic detecting technology, SD Card recording, It supports single screen and 4 channel's screen display, video recording and photos simultaneously. It can record and take photos manually, also can record and take photos automatically when there are moving objects.

ii . Application: warehouses, shopping malls, home security, care for children and the elderly

iii. Features

- Support standard NTSC/PAL TV system video output
- Support single screen and 4 channel's screen display simultaneously
- support synchronized video and audio recording function
- Support system information display in the screen(OSD)
- Support 32 GB SD Card
- Support real-time clock display
- High definition CMOS image sensor
- Support the motion detecting video and photo function
- The circulation function of coverage
- Single and 4 Channel's video and photo simultaneously
- Support record audio simultaneously when recording video in single scene

iv. Function key Illustration

4.1：Camera key illustration

Antenna
Apprentice
Lens and night vision
Power line
Power/Pair
Holder
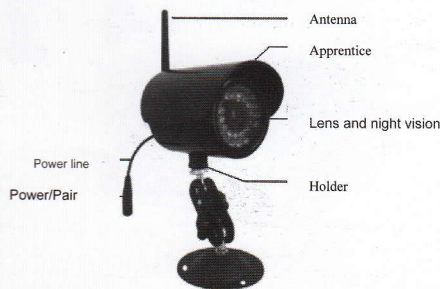
1：Plugged in about three seconds automatically boot, unplug the power to turn it off.

2：pair switch: In the short press after about 1 second to pair, the work light rapid flashing (camera, the blue LED) . Blue LED indicator: Blinking slowly. There is no online. Rapid flashing is the pairing, it is all the time when online.

3：When the light of the camera is lower than the night vision control light, it will switch on the night vision led automatically, realize 24-hours monitoring.
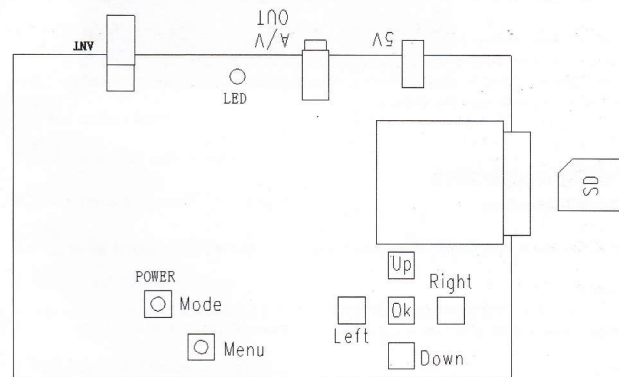
4.2 Receiver key illustration

ANT：2.4GHz

A/V OUT：Audio/Video output; AV input for connecting to LCD monitor or TV Se

DC IN：：DC 5v/1000ma Power Input

Mode：Power Switch Key, Long press to switch on/off.

LED：Status indicator，it flashes interval if it is not online with camera; it will be on all the time after online, The rapid flashing when pair

SD：SD card slot，support 32 GB SD card maximum.

MENU/ESC: Press this key to enter to Main Menu, press this key again to return to previous mode or exit Menu.

OK: confirm key, in the preview screen, click this button to switch channels displayed from CH1 CH4-4 cycle display picture.

◄：Left Key, Move left direction in Menu mode; In monitoring screen manual vide recording

►：Right Key, Move right in Menu mode; switch channels sound under the four picture

▲:：Up Key, Move up and adjust parameters in Menu mode; Manual camera preview images

▼：Down Key, Move down and adjust parameters in Menu mode; In the monitoring interface can adjust the sound

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ⅴ. SD Card notice

● Human body's static electricity can cause permanent damage to the SD Card, do not touch the SD Card's metal part by hand directly
● Please format the SD card first when you use the SD card in this device for the first time
● Recommend you use not less than 2GB Class 6 SD Card and it can support 32 GB SD Card maximum
● Please cut off the power before plug in/out the SD Card.
● Prohibit to plug in/out the SD card during the recognition SD Card's process
● If you use the video recording function for a long time, suggest that you should format the SD card and repair the disk timely to ensure the stability

ⅵ. Operating instruction

6.1: Switch ON/OFF Operation
A: Camera switch
After connecting the power, long press 1-2 second to switch on, and the green Led is on all the time.
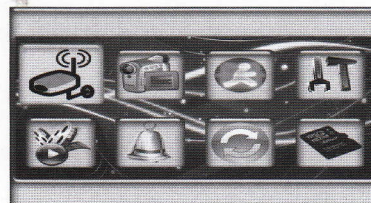
B: Receiver switch
After connecting the power, long press power switch key for 3-5 seconds to switch on LED is bright. It will enter preview mode directly after switch-on mode.

Channel   Single picture Volume Channel sound Signal strength display

2012/12/22   09:15:33
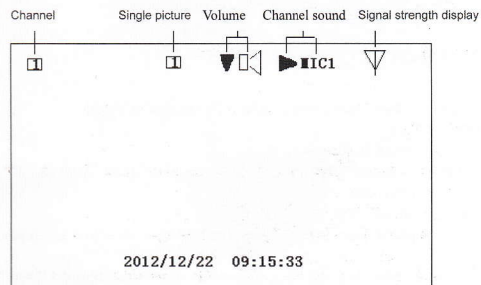
6.2: Menu Setting
Press Menu key to enter to Main menu, and press Menu key to exit main Menu.
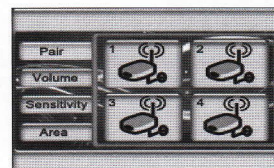

● 📷 : camera setting menu

● 🎥 : recording setting menu

● 👁 : the motion detecting setting menu

● 🔧 : system setting menu

● ▶ : playback setting menu

● 🔔 : motion detecting set alarm set

● 🔄 : channel cycle setting menu

● 💾 :SD card information display and SD card software update function

●

📷 Camera setting menu

Press up/down/left/right movement to 📷 icon, Press OK key to enter, display the following menu

1: Pair: pair setting, press ok key to enter, press the up/down/left/right/keys to move and choose the pair channel required, Then press OK key to begin pair, When is the pairing shown PAIRING, meanwhile ,press pair key after launch key to start pair Can also press launch the pair key first, then

press Receiver ' s pair key ）。 It will display PAIR OK after the pair is successful. If receiver and launch is not pair or receiver is not open ,display TIME OUT on the screen，press the MENU key to return after setting up.

2：Volume :camera volume setting
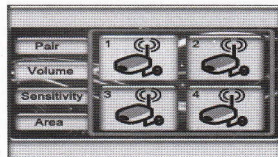
Press OK key to enter and confirmation，then Press OK key to adjust the volume，With the size of the progress bar display. Press the up/down/left/right/key to move to the channel required. Press the MENU key to return after setting up.

3：Sensitivity : Motion detecting sensitivity Setting
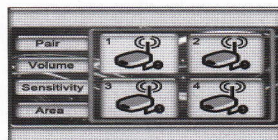
Press OK key to enter and confirmation，Then press OK key to adjust sensitivity ，With the size of the progress bar display. Press the up/down/left/right/key to move to the channel required. Press the MENU key to return after setting up.
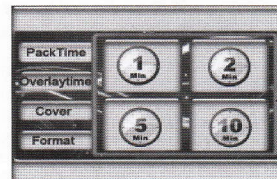
4：Area : The motion detecting setting
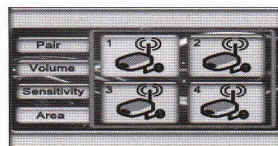
Press OK key to enter，Press the up/down/left/right/key to move to the channel required，Then press OK key to enter，Press the up/down/left/right/key to move to the area required，Press OK key again or cancel, press the MENU key to return after setting up.

: Recording setting menu

Press up/down/left/right movement to ▦ icon ，Press OK key to enter, display the following menu.

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1：Pack Time ：Recorded manually on time
Select Pack Time，press OK key enter ，Press up/down/left/right key to choice the setting time ，Set up the longest packaging manual video time （It means how long automatically save a video），press the MENU key to return after setting up.

2：Overlay time: Time to cover shows
Press the up/down key to move to Overlay time，press OK key enter，press the left/right keys to move to ON or OFF，Press OK key to confirm. When the choice ON, recorded video have real-time time date display，OFF no display. Press the MENU key to return after setting up.

3：Cover :cyclic covering setting
Press the up/down key to move to Cover，press OK key enter，press the left/right keys to move to ON or OFF，Press OK key to confirm. ON: the front part of the data will be automatically deleted after the expiration of the card, OFF: after the expiration of the card is not recorded. Press the MENU key to return after setting up.

Note: photo no circular cover function

4：Format: SD card format
Press the up/down key to move to Format，press OK key enter，press the left/right keys to move to ON or OFF.ON: began to format; OFF: no format，Press the MENU key to return to after setting up.

Note that just use the SD card should be in the native format of time, in order to be better compatible with the machine.

◉ The motion detecting settings menu

Press up/down/left/right movement to ◉ icon，Press OK key to enter, display the following menu.

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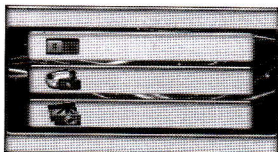
Press the up/down key to choose to the setting option, the OK key to confirm.

: Press OK key set to open ON or shut OFF motion detecting function.

: Set up video mode under the motion detecting，A tick symbol display after the choice ; No selected without. When setting into motion detecting video mode ，A moving object in the camera move automatically for a period of 5-7 seconds video ,then video stop automatically.

: Set to take photos mode under the motion detecting .A tick symbol display after the choice ; No selected without.. When setting into motion detecting video mode，A moving object in the camera move can take photo automatically.   Press the MENU key to return after setting up.

The system setting menu

Press up/down/left/right movement to icon，Press OK key to enter, display the following menu

1：Time : Setting The system time Setting
Press the up/down key to move to Time Setting，press OK key enter。Displacement of up/down keys, left/right to modify parameters，Press the MENU key to return after setting OK key.
Month：month setting
Day：data setting
Hour：Hours setting (standard for 24 hours)
Minute：minute setting

2：TV Out: TV Out Format:
Press the up/down key to move to TV Out,，press OK key to enter, Up/down keys shift，confirm with OK key. Have two kinds of model PAL and NTSC. Press the MENU key to exit after the set up.

3：Restore Setting
Press the up/down key to move to Restore Setting, Press OK key to enter, Up/down keys shift, the OK key to confirm，"ON" to restore the factory default Settings, "OFF" don't to restore. Press the MENU key to exit after the set up.

Playback setting menu

Press UP/Down/Left/Right keys to move to icon, and press OK key to enter. It will appear

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VIDEO and PICTURE two file folder, then press UP/Down/Left/Right keys to move, and press OK key to confirm. Press MENU key to return to previous mode, every file folder is named according to Year/Month/Date.
For Example:20120716: It means the file is recorded or taken on July 16th,2012,the files in this folder is classified according to the time. Such as 15clock, it means the file is recorded at 15 clock on July 16th, 2012, and so on…….
Press the Left key （◄）to choose whether to delete this file when going to the folder or the file of folder, click OK key to delete this file, press the MENU key does not delete the file, （Select the folder, the contents of this folder will be deleted, choose a single file just delete a single file）.

1：Playback
After entering the playback menu on the left/right shift to the video folder, press OK key to confirm to date select folder. press the up/down key to choose to play back the date of the folder，press OK key to enter time options folder,，press the up/down key to play back the date of the folder after enter the time options folder，and then press OK key to confirm and start playback. Press OK to pause/start during playback，the up/down key can directly Choose a/the next period of video，Press the MENU key to exit.

2：Photo playback
After entering the playback menu on the left/right shift to the photo folder, press OK key to confirm to date select folder. press the up/down key to choose to play back the date of the folder，press OK key to enter time options folder, press the up/down key to play back the date of the folder after enter the time options folder，and then press OK key to confirm and start playback. Press OK to pause/start during playback，the up/down key can directly Choose a/the next period of photo，Press the MENU key to exit.

Motion detecting set alarm bells

Press up/down/left/right movement to icon，Press OK key to open the ON, shut OFF.
ON：In motion detecting opens, motion detecting function work with prompt tone, mobile detection effectively.
OFF：the alarm sounds close when the motion detecting function.

Channel cycle Settings menu

Press up/down/left/right movement to icon，Press OK key to open the ON, shut OFF.
ON：CH1 CH4 4 pictures straight interval between about 5 to 7 seconds cycle show after channel cycle open.
OFF：close channel cycle display.

SD card information display and SD card software update function

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press up/down/left/right key to move to ⬛icon，If there are card will display remaining capacity of the CARD ; there is no card will display CARD OUT.

  If you need to update, please insert a upgrade packages of the BIN file to insert the card, press OK key to upgrade.

ⅶ. Parameters

A：Receiver

Function	Description
Frequency	2.4G ISM Digital public band 段
Work method	AFH and TDMA
Receiver Sensitivity	-90dBm
Work Voltage	DC5V /1000MA
Work current	≦600MA
Video output	1Vp-p CVBS
Video output system	PAL and NTSC
Video format	Asf，play on computer with Specific software
	Single screen status：640*480 @25fps
	4 screen status：320*240 @25fps
Photo format	Single screen status：640*480 JPG
SNR	46dB
Operating Temperature	-10℃~40℃

B：Transmitter

Work Voltage	DC12V/500-1000MA
Frequency	2.4G ISM Digital public band
Transmit power	17dBm
Operating Range	Open field：150-250meters
Work Current	No night vision：550MA MAX With night vision：650MA MAX
Camera Resolution	0.3 Mega Pixel
Night vision range	5-8 Meters

ⅷ. Note

1：Please do not operate in high temperature, high magnetic and strong light field
2：Use the designated power adaptor and battery in case any serious damage of this product.
3：Do not put this product in those places which the temperature is extremely low or high.
4：Please avoid water and dust.
5：Please do not plug in/out the SD card when it is hot, and please format it first when you use it for the first time.

  ⅸ. Problems & Solutions

1：No image.
Answer: Check whether the power adaptor is connected well, and check whether the camera and receiver is in the same channel after the paring, or try to make paring again.
2：The image is not stable when it is single screen.
Answer: Please check whether the camera is set in the Channel cycle status.