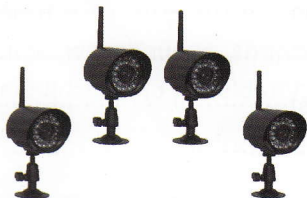# Operation Guide

2.4GHz Digital Wieeless DVR

The Graphies Included Are Subject To Minor Change Without Notice

CONTENTS

Thank you for purchasing our products.
please before using the product carefully read the instructions,

1. Introduction

This product is digital wireless security system with low cost, the camera uses a dynamic detection technology, SD card recording, it supports single and 4 at the same time display and video. You can manually and moving objects automatically record.
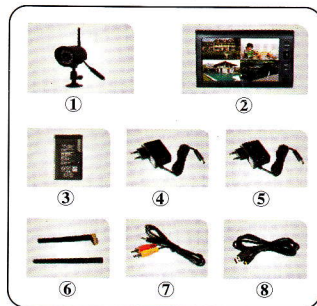
Scope of application: warehouses, shopping malls, home security, care for children and the elderly.

2. Features

· Digital wireless 2.4 GHz camera & DVR

· 7 Inch high resolution TFT digital led display

· Digital wireless long range transmission

· Digital video recorder with motion detection

· support system information displayed on the screen (OSD)function;

· supports the NTSC/PAL video output;

· supports the Audio output;

· Storage to SD card
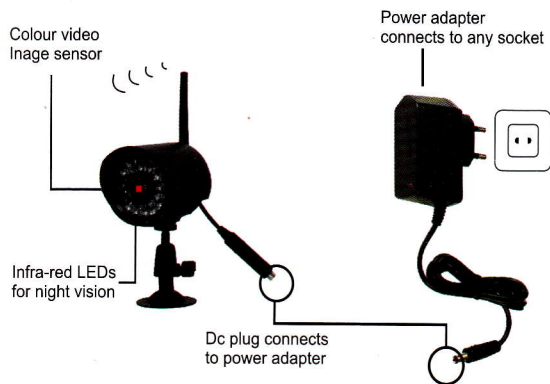
· Support up to 32 GB SD card

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3. PACKING LIST

① Digital Wireless Camera

② 7 Inch Digital Wireless Receiver

③ Lithium Battery For Receiver

④ Adapter For Camera

⑤ Adapter For Receiver

⑥ Antenna

⑦ Video/Audio Cable

⑧ Usb Cable

Power adapter
connects to any socket

4. DIAGRAM

2.4GHz wireless
transmission to receiver

Colour video
Image sensor

Power adapter
connects to any socket

Infra-red LEDs
for night vision

Dc plug connects
to power adapter

5. STRUCTURE

5.1 Camera:

Antenna

Lens

Infra-red LEDs
for night vision

Power Jack

Unvcrsal
Bracket

Pair key

5.2 RECEIVER:

Antenna

7 Inch Lcd Display

Keys

Speaker

POWER LED

POWER ON/OFF

SD CARD

USB

A/V OUT

POWER JACK

CHARGE

Battery Cover

Brace

LEFT

SPLIT

ESC

UP

ENTER

RIGHT

DOWN

MENU

REC

6. OSD

No Scan Mode:

Camera No.

View Mode

Camera Signal

Battery volue

Video Mode

Date Stamp
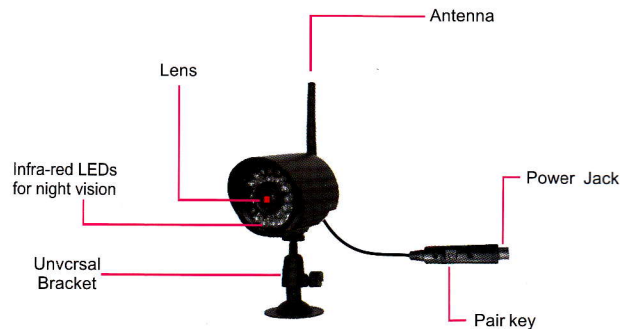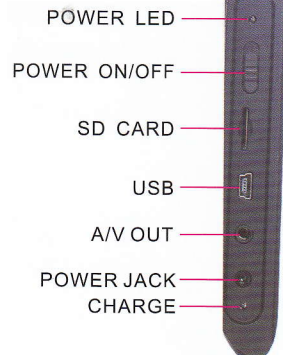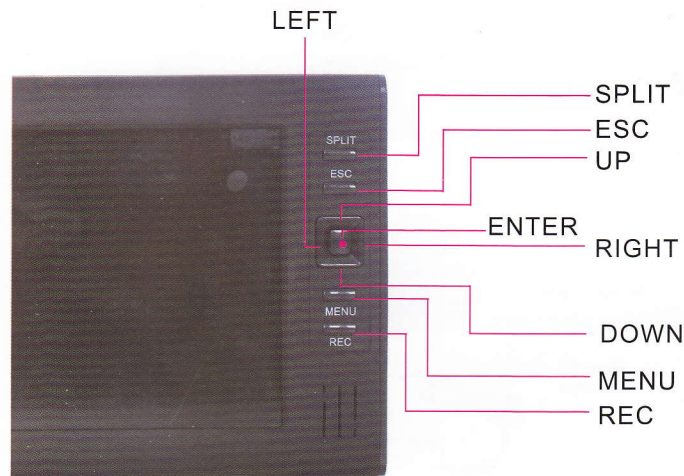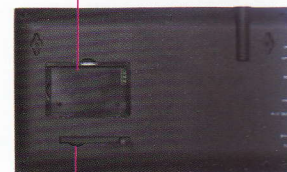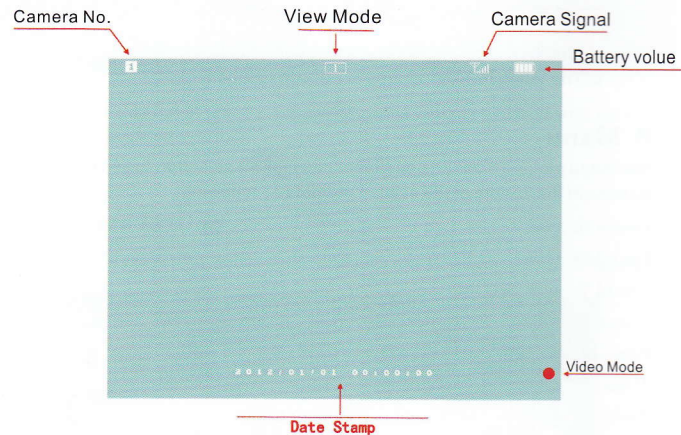
Preview Mode: No Scan Mode: Quad Mode: Scan Mode

Video Mode: ● Recording   ▶ Play   ❚❚ Pause

4

5

7. Key Function Description

7.1 SPLIT:preriew Mode Switch

7.1.1 No Scan Mode

7.1.2 Quad Mode

7.1.3 Scan Mode

7.2 ESC:esc

7.3 UP DOWN:

7.3.1 In The Noscan Mode Is Camera Switching Function

7.3.2 In The Main Menu Is The Up Down Function

7.4 LEFT RIGHT

7.4.1 In The Main Menu Is The Left Right Function

7.4.2 In The Preriew Mode Is The Volume Control Function

7.5 ENTER:menu Enter

7.6 MENU:main Menu

7.7 REC Record Record Stop

7.7.1 In The Preriew Mode Is The Record And Stop Function

7.7.2 In The Video Playback mode Is Paused function

8. Menu

this menu provide 8 options,customer can make a selection based on the buttons at the bottom of the scyeen prompts as following:

Camera Setting

Record Setting

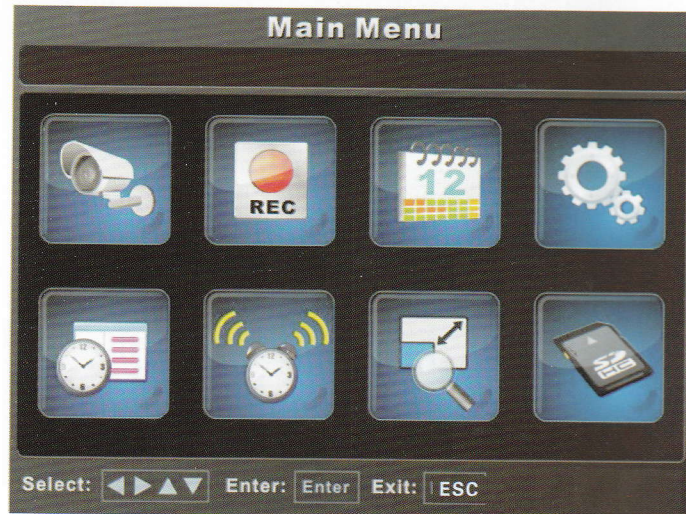Record Trigger Setting

System Setting

Event List

Alarm Switch

Pan/Tilt/Zoom

SD Capacity/Update FW

8.1 Main Menu

After Activate a different icon by ◀▶▲▼ key press enter key to next step ,press esc key to return last step.

8.1.1 Camera Setting

Under this menu can setting pairing activation,brigtness,volume,MD area function

8.1.1.1 Pairing

Press enter key under camera setting and select pairing option

Activate ◄▶▲ key via correspond camera icon,and press enter to perform code,and press pair key at camera side to perform code ,the unit display pair ok,otherwise " no pair " after perform code ,if no corresponding device pairing will esc thecode pairing function press enter key within 10 seconds,can canser the code pairing function .

8.1.1.2 Activation

This menu can setting different number's camera to on/off, select the option and press enter key to revise

8.1.1.3 Brightness

This function can be setting different camera lightens or darkens,select the menu and press enter key to revise.

8.1.1.4 Volume

This menu can setting the camera volume of different mic under push talk mode.   press enter to modify

8.1.1.5 MD Sensitivity

The menu can setting different camera sensitivity of the MD and press enter to modify.

8.1.1.6 MD Area

This menu can setting the MD of camera range ,press entery to settle in the 48pcs squares.

8.1.2 Record Setting

This menu can setting record time ,date stamp,prerecord,SD over write,SD format.

8.1.2.1 Record Time

This menu can setting the video record time,the system default 2mins,press enter key to modify

8.1.2.2 Date stamp

This option can set wheether having the date stamp in video files ,use the enter key to modify.

8.1.2.3 PRE-Record

This menu can set whether saving the video of before trigger record,only for key trigger and MD trigger,cannot be used for auto record,use the enter key to modify

8.1.2.4 SD Over Write

This Menu can set whether using cycle record function.when the memory is not enough, the system will automatically delete the oldest video,use the enter key to modify.

8.1.2.5 SD Format

This menu can format SD card,use the enter key to confirm.

8.1.3 Record Trigger Setting

This menu can set schdule record and motion delect record function,and saving four task, defalut none indicate only using key record mode,use enter key to modify.
press ◄ key, and press enter key to delete the task.
in each ,task,the first column fill in start time,the secord column fill in the end time, the third column fill in trigger record action.

8.1.3.1 Schedule Record

This menu can set schedule record function,using ▲▼ key to select time and action,press enter key to modify.

8.1.3.2 Motion Detect Record
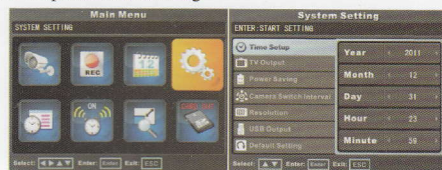
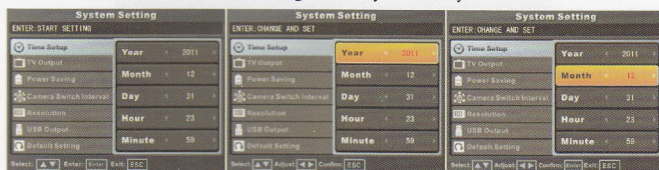This menu can set a certain period of time MD record function, use the ▲▼ key to set time,use the enter key to confirm.

8.1.4 System Setting

This menu can set time setup,TV output ,power saving,camera switch interval,
resolution,USB output,default setting

8.1.4.1 Time Setup

This menu can set date and time,using enter key to modify the volue.

8.1.4.2 TV Output

This menu can set TV output function,using enter key to modify the volue.
if you set (NTSC/PAL) mode,the TFT will turn off,and the image display on the TV

8.1.4.3 Power Saving

This menu can set power saving function ,use the enter key to modify the volue.if you set (2min/5min/10min)
volue,no operation after (2/5/10)minuters automatic standby,at standby mode, use any key can wake up the LCD

8.1.4.4 Camera Switch Interval

This menu can set the cycle time at scan mode,when time out,will display next
camera image,default volue is 5 seconds,using enter key to modify.
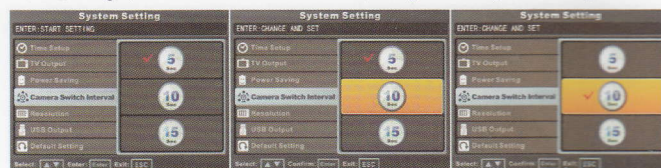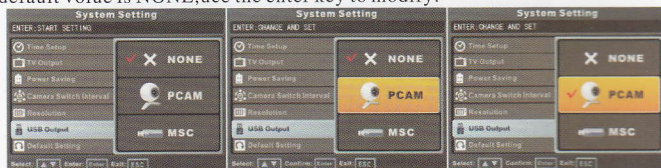
8.1.4.5 Resolution

This menu can set preview resolution at single picture mode,default volue is VGA,
use the enter key to modify.

8.1.4.6 USB Output

This menu can set USB function,can be set to PCAM and MSC,
default volue is NONE,uce the enter key to modify.

8.1.4.7 Default Setting

This menu can restore the system default volue,use the enter key to modify.

8.1.5　Event List

This menu can playback the video in SD card,press enter key to enter submenu,press ESC key to return previous menu;

Select the entry date and hour,select the file and press enter key to play.or press ◄ key and press enter key to delete the file

8.1.6　Alarm Switch

This menu can set whether having the tone when detect moving objects.using enter key to modify.

8.1.7　Pan/Tilt/Zoom

This menu can pan zoom the image,using enter key to switch preview mode.

In pan/tilt /zoom menu,press enter key to enter zoom in mode,press enter again to exit zoom in mode,in zoom in mode,using ◄►▲▼ key to execute up/down/left/right moving

8.1.8　SD Capacity/Update FW

This menu can display the SD card content,and update FW

8.1.8.1　SD Capacity

When SD card not insert,will display CARD OUT
When SD card insert,will display the remaining capacity of SD card;
When SD card insert,but can't distinguish,will display UNKNOW.

9. Specifications

9.1 Camera:

Sensor Type:	Colour cmos
Resolution	640×480 (VGA)
Lens Focus	3.6mm
Viewing angle	70°
Lens Size	1/4"
Transmission Frequency	Ism 2400 ~ 2483MHz
Transmission Power	23dBm
Modulation Type	GFSK
Transmission Range	100m ~ 300m
Power Supply	DC5V
Power Consumption	daytime:300mA night: 700mA
Operating Temperature	−10° C ~ +60° C
Camera Size	110mm × 58mm × 58mm

9.2 Receiver

LCD	7" TFT
LCD resolution	800×480
Receiving Frequency	ISM2400−2483MHz
Modulation Type	GFSK
Receiving Sensitivity	≤−80dBm
Battery Type	Lithium Battery
Battery Capacity	1020 mah
Video Output	1.0 Vpp
Audio Output	1.5Vpp
Video Format	NTSC/PAL
Storage Type	SD Card
Card Maximum Capacity	32 GB
Power Supply	DC 5V
Power Consumption	1000ma(charge)
Dimensions	200mm × 117mm × 20mm
Operating Temperature	−10° C − +60° C

10. Matters need to be noticed

① The product should be placed where is stable , windy , air–dry, non–sunshine ,non strong magnetic and non–dusty；

② Don't clean the surface with chemicals but with soft and clean dry cloth；

③ Don't press several buttons at the same time；

④ The outdoor and indoor unit must be matched with appointed specified models and cannot match with others that are not our products.

⑤ Do not disassemble the machine without authorization, if the need for fault repair, please contact the distributor or the company's technology department.

EU Environmental Protection
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

11. Failure diagnosis

Defect	Judgement	Operation
Unable to start the product	If turn the switch to the "ON"?	Turn the switch to the ON
	If the power of Li-ion batteries is not enough?	To charge the li-ion batteries
	If connect the power adaptor?	To connect the power adaptor
Unable to charge	If the plug of power adaptor correctly plug into the charging slot?	Re-connect the devices and power adaptor
	If the power adapter has been connected to the 110-240V AC?	Re-insert the plug so that power supply connected to AC power adapter
Speaking state no voice	If the volume is adjusted to be the least?	To adjust the volume to be suitable
The image is flashing or noise	If the receiver is close to TV set , fluorescent lamps , mobile phone , which has electronical and magnetic wave?	Keep the devices off these things which has electronical and magnetic wave
The receiver shows no signal image	If the camera doesn't connect the power?	To connect the outdoor device power
	If the camera is far away from the indoor phone?	Keep the distance within 60 meters (with multi-wall barrier case)