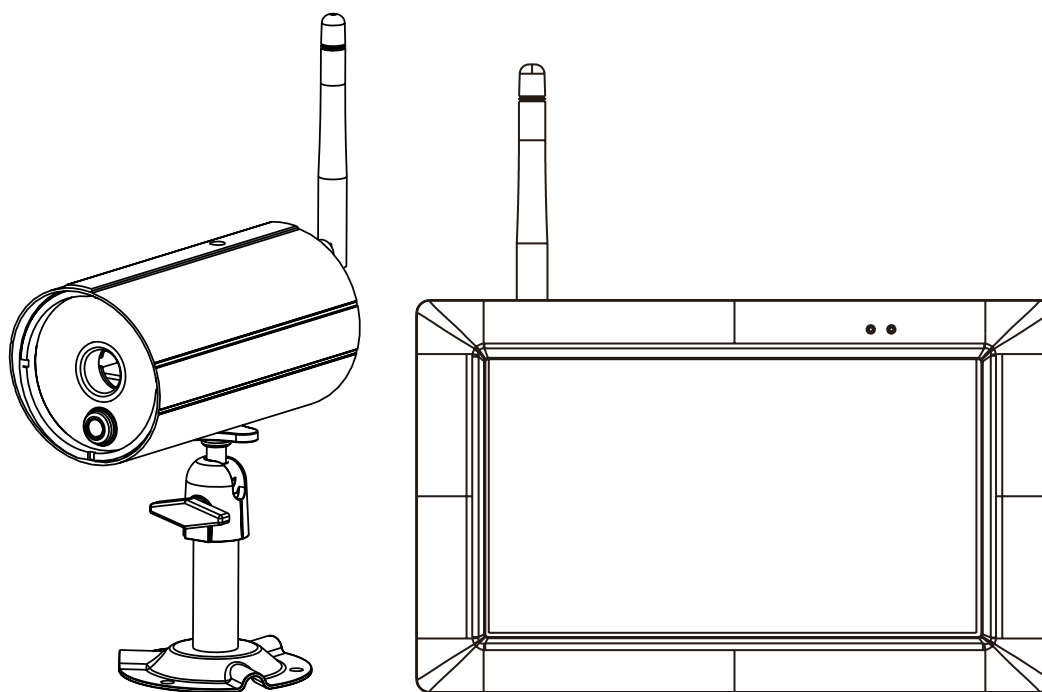*WIRELESS*

myCam

Funk-Kamera-Set

Installation and Operating Instructions

Model: VPG-OAP1080KIT

Version 2.0

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT
AND KEEP THIS MANUAL FOR FUTURE REFERENCE.

IMPORTANT SAFETY PRECAUTIONS

Damages caused by non-compliance with this operating manual will void the warranty! We will not assume any liability for damages to items or persons caused by improper handling or non-compliance with the safety notices! Any warranty claim will be null and void in such cases.

1. Do not drop, puncture or disassemble the camera; otherwise the warranty will be voided.

2. Avoid all contact with water, and dry hands before using.

3. Never tug on the power cords. Use the plug to unplug it from the wall outlet.

4. Do not expose the camera to high temperature or leave it in direct sunlight. Doing so may damage the camera or cause camera temporary malfunction.

5. Use the devices with care. Avoid pressing hard on the camera body.

6. For your own safety, avoid using the camera or power off the camera when there is a storm or lightning.

7. Remove the power adapter during long periods between usages.

8. Use only the accessories and power adapters supplied by the manufacturer.

9. To meet the regulations pertaining to parental responsibility, keep the devices out of the reach of infants.

10. Check power cables, do not get crushed or damaged by sharp edges whenever the devices are in operation.

FCC Compliance Statement: This device complies with Part 15 of the FCC rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Products with CE Marking comply with EMC Directive (2014/30/EU); Low Voltage Directive (2014/35/EU); RED (2014/53/EU); ROHS Directive (2011/65/EU) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:
EMC: EN 301 489
LVD: EN 60950
Radio: EN 300 328

2

FCC/CE WARNING

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules and ETSI(EN) 300328. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference
will not occur in a particular installation. If this equipment does interference to radio or
television equipment reception, which can be determined by turning the equipment off
and on, the user is encouraged to try to correct the interference by one or more of the
following measures:

- Reorient or relocate the receiving antenna.
- Move the equipment away from the receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

You are cautioned that any change or modifications to the equipment not expressly
approved by the party responsible for compliance could void your authority to operate
such equipment.

DISPOSAL

If the camera system no longer functions or can no longer be repaired, it must be disposed of according to the valid statutory regulations.
Disposal of spent batteries/accumulators:
You are required by law (Battery Ordinance) to return all spent batteries and accumulators. Disposing of spent batteries/accumulators with common household waste is prohibited! Batteries/accumulators that contain hazardous substances are marked with the symbols on the side. These symbols indicate that it is prohibited to dispose of these batteries/accumulators in the household waste. The abbreviations for the respective heavy metals are: Cd=cadmium, Hg=mercury, Pb=lead. You can return spent batteries and accumulators that can no longer be charged to the designated collection points in your community, outlets or wherever batteries or accumulators are sold. Following these instructions will allow you to fulfill the legal requirements and contribute to the protection of our environment!

⚠ CAUTION

- This product is designed with built-in high sensitivity microphone. Please keep the camera away from the receiver (at least 3 to 5 meters in distance) to avoid continuous howling noise to occur, otherwise please adjust receiver volumn to low if the location of camera(s) is near by the receiver.
- Do not insert or remove memory card and/or HDD (external/internal version) while the system is in operation. This may cause system to malfunction and/or damage the storage media. It is strongly recommended to format the memory card and/or HDD prior the initial operation of the system and periodically afterwards.

Downloaded from www.Manualslib.com manuals search engine

OVERVIEW

The HDNVR which can receive video and audio data from Hight Definition Digital Wireless Cameras (supports up to 4 cameras), and is able to store received data to the HDD. You are able to view the data in real-time, or at later time. Remotely have live-view via mobile device(s) with Internet connection.

The Digital Wireless Camera(s) is able to wirelessly transfer compressed video and audio data in digital format which offers efficient, secure and 'Interference Free' wireless connection to the HDNVR unit.

The method of transferring audio and video is secure and private, and eliminates the need of running cable(s) between the monitor and the cameras, ensures quick and easy installation with minimum cost at the same time.

⚠ BEFORE THE PRODUCT IS INSTALLED

- Please read the operation manual carefully.
- Please unpack all boxes carefully and identify that all the parts are present.
- Make sure you use only the recommended power supplies. Damage caused to the camera or receiver by incorrect voltage or wiring is not covered by the warranty.
- Cutting any cable will void the warranty.
- Do not drop, pierce or dismantle the camera or receiver.

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FRIENDLY REMINDER

The state of High Definition Wireless Digital Video Recorder is capable of deliver high quality video to your smart-mobile device(s), which would require higher internet bandwidth. Due to your local internet environment condition, your mobile device(s) may display black-screen or temporary disconnect to the HDNVR.

* For best performance, please keep the camera and monitor **minimum 1 meter** away form the receiver and Wi-Fi router.
* Make sure the HDNVR is operating with sufficient internet bandwidth, **1.5Mbps (upload speed) is suggested.**
* For best performance, **the smart-mobile device(s) need to be on Wi-Fi or 4G mobile network** in order to receive maximum download speed.
* When the APP automatically switch to Relay Mode:
  ・ By adjusting image quality to **"low" or set to 720P HD resolution** in the camera setting section, connection will be improved.
* **Your internet bandwidth is limited.** For best performance, avoid more than two users connecting to the HDNVR simultaneously.
* Make sure your smart-mobile device(s) is equipped with up-to-date technology, Guard-core **1.9GHz or higher is suggested.**
* Please make sure the memory card used is CLASS10 rated. And insert or remove memory card when the Digital Wireless Receiver Console is power OFF.
* Before using the memory card/ HDD for recording video, you MUST format the memory card/ HDD on the console.

KIT CONTENT

*Digital Wireless Outdoor IR Camera	Digital Wireless Receiver Console x 1	*Camera / Receiver
*Camera Stand	Screw Pack For Camera x 4	Camera / Receiver Adaptor *Camera power adapter-5V/1.5A HDNVR power adapter-12V/2A x 1
Ethernet Cable x 1	*Quantity varied subject to configuration	
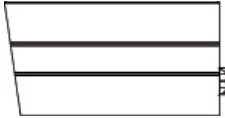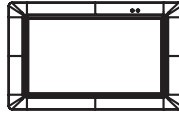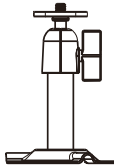
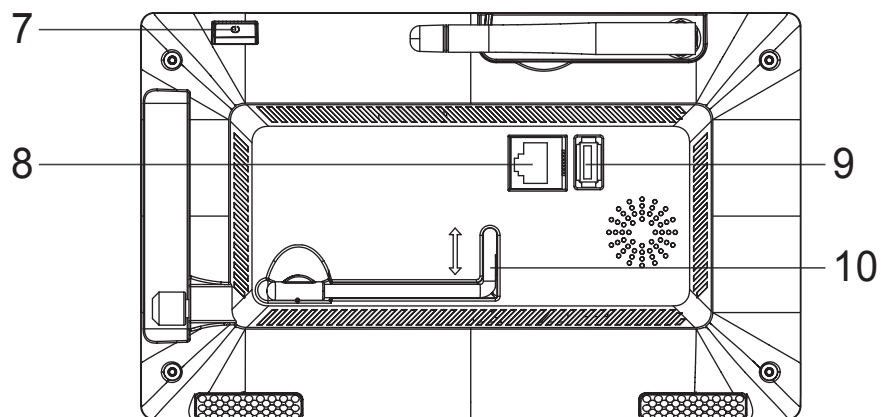## Minimum System Requirement for HDNVR:

*For Networking:
- DHCP enabled router
- 1.5Mbps or above upload bandwidth (both home and mobile device)
- iPhone 5 / Mini iPad 2 or above
- Android 1.9GHz Guard core or above

6

KNOW YOUR DEVICES

Wireless Digital Monitor
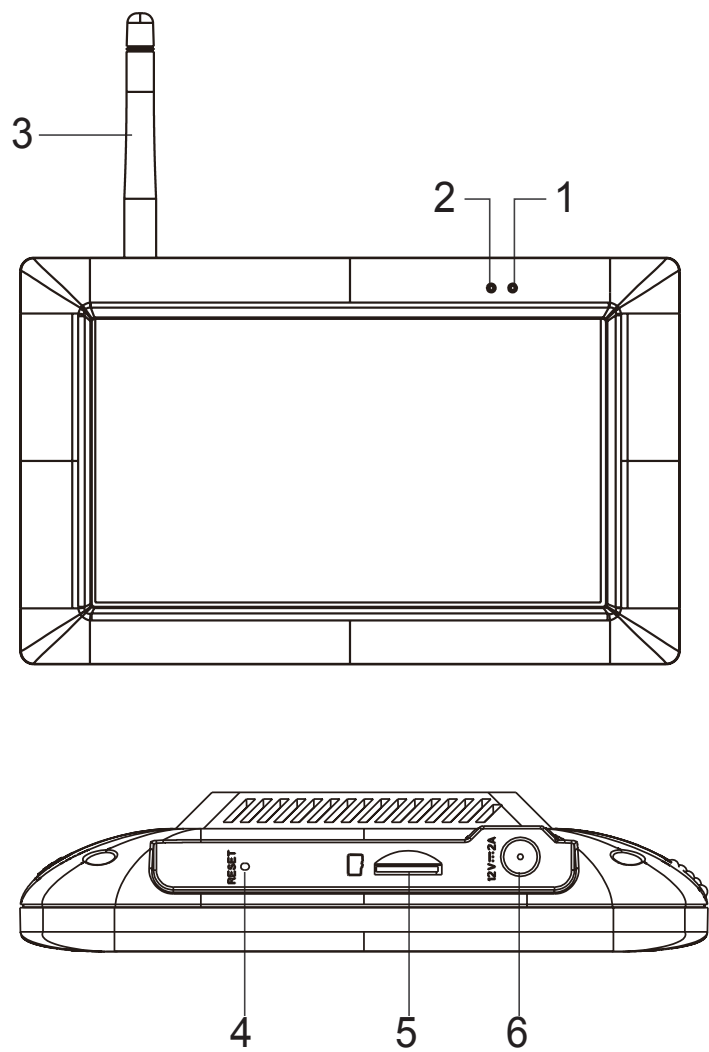
Item	Name	Function
1	Power Indicator	Indicate Power On/Off Status
2	Wireless Indicator	Indicate Wireless Connect Status
3	Antenna	Transmit/Receive Digital Wireless Audio/Video Data
4	Reset Button	Reset System
5	Memory Card Slot	Memory Card Insert Location
6	Power Jack	DC 12V Adaptor

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Item	Name	Function
7	Power Button	Power On/Off
8	Enternet Jack	Connect to Internet router
9	USB Port	Connect to external USB HDD, USD Flash disk, external SSD drive, and USB mouse/wireless mouse **Note:** Please connect your external HDD before power on the Digital Wireless Receiver Console(apply to external HDD version only).
10	Monitor stand	Put monitor in upright position

8

Wireless Digital Outdoor Camera

Front View
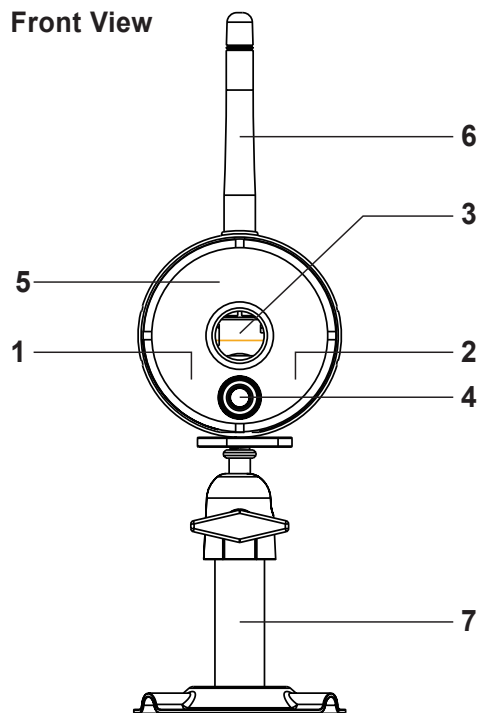
Back View
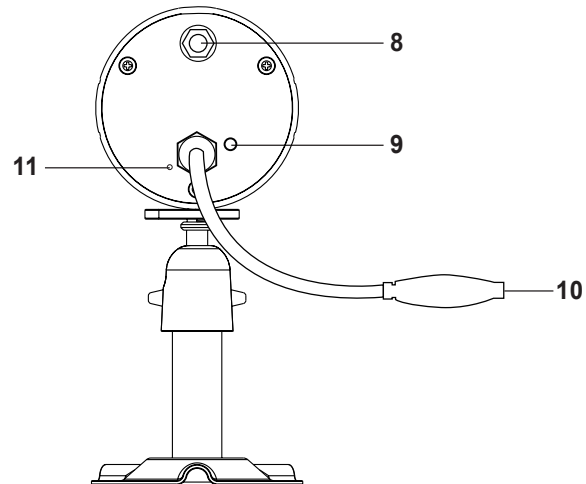
Item	Name	Function
1	Power Indicator	Indicate Power On/Off Status
2	Wireless Indicator	Indicate the monitor and cameras are connected
3	Lens	Capture Image
4	PIR	Passive Infrared sensor for detecting heat emission from biomass (human, animals, etc.)
5	IR LEDs	Night View
6	Antenna	Transmit/Receive Digital Wireless Audio/Video Data
7	Camera Stand	Fasten Camera to Wall, Ceiling and/or Flat Surface
8	SMA Connector	Camera Antenna Installation (Twist On)
9	Pairing Button	Connect Camera to Receiver
10	Power Jack	DC 5V/1A Adaptor
11	Microphone	Capture Audio

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Motion Dectection

Keep active locations in the camera's field of view. The camera has a 90-degree viewing angle. Position your camera so that the space that you want to monitor is within the camera's field of view.

The best area for motion detection is 3 to 5 meters from the camera position.

Avoid false triggers, please note this device is equipped with a PIR Motion Sensor that detecting temperature changes in the area in front of the device; Please avoid placing the device under the following environments:
(1) Aiming the camera at windows or glass doors.
(2) Where small animals may enter the detection area.
(3) Where a heat source (sunlight, incandescent light, car headlights, etc) may aect the motion sensor.
(4) Where sudden temperature changes inside or around the detection area caused by hot or cold wind (fans, air conditioners, etc.).

Top View

R=5 Meters

Dectection Area 90°

Side View

1.5m

3m   4m   5m

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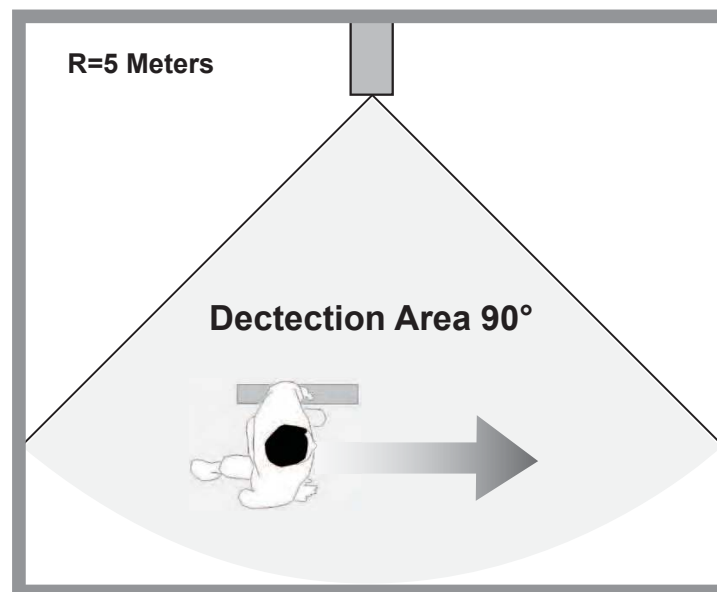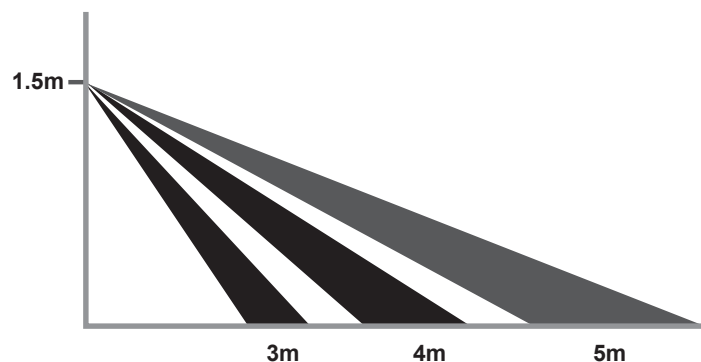
INSTALLING YOUR DEVICES

Installing your camera

1. Locate a suitable location to mount the camera.
2. Secure the camera stand to a stable surface, celling or wall using the three screws.
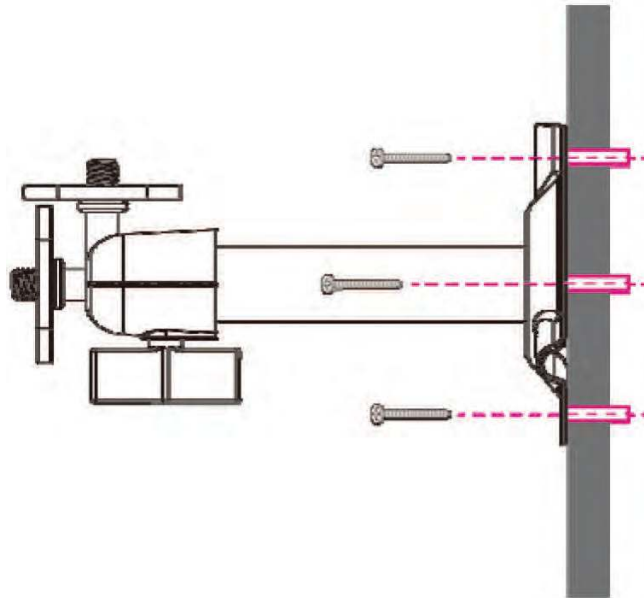
3. Loosen the thumb screw of the camera stand and secure the camera body to the bracket. Make sure the camera is in an upright position (relative to your viewing environment).

Thumb Screw
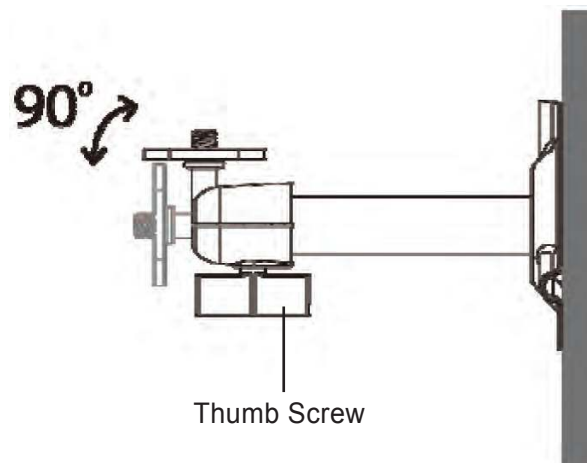
4. Screw the antenna into rear of the camera.

Ceiling Mount   **Wall Mount**
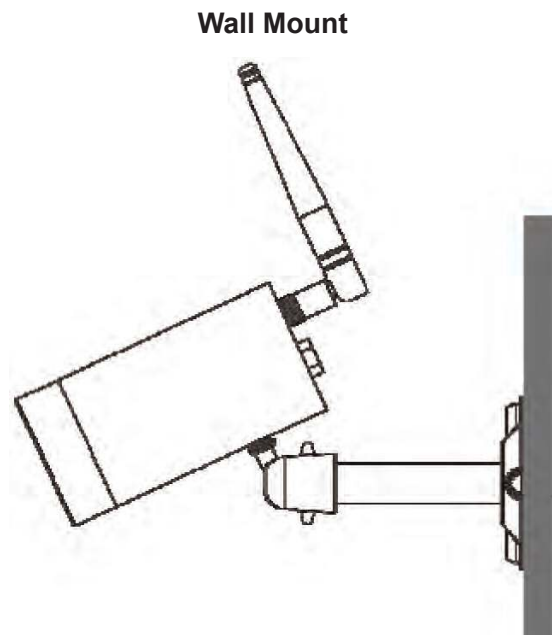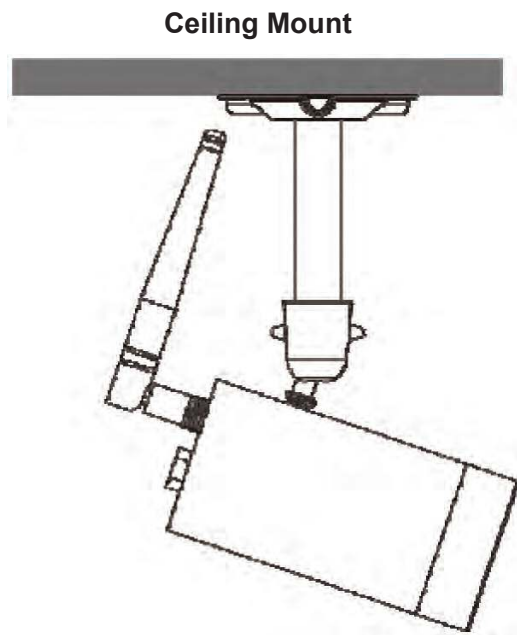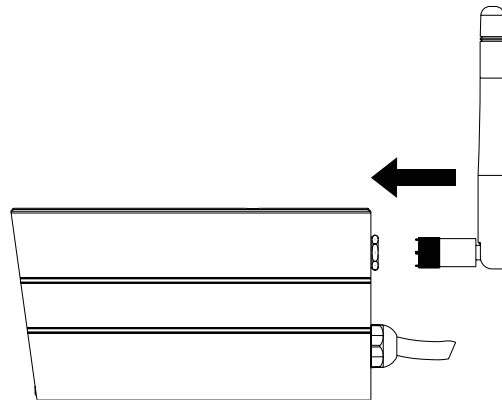
5. Connect the supplied power adaptor to the camera and the power source. The RED LED will light up which indicate the camera is ready for setup. Please refer to page 17 for pairing camera.

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Setting up your monitor

1.Insert the memory card and/or connect HDD device to USB port. It supports up yo 128GB memory card to store security video clip or copy/backup a video clip from HDD. For long term recording video, we suggested that you connect an external HDD which supperts up to 2TB.

Suggested memory card:

a. Sandisk   128GB/class-10

b. kingston   128GB/class-10

c. Sony   128GB/class-10

d. Samsung 128GB/class-10

Memory Card Slot

USB Port connect to HDD/Flash Disk
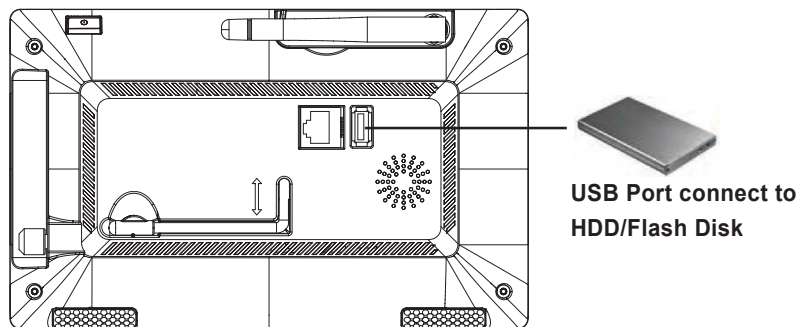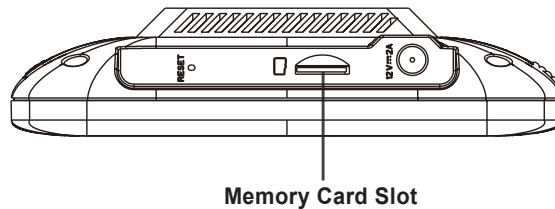
Note:

· Make sure the monitor is power off before connecting your HDD/flash disk.

· Max USB power supported to HDD/flash disk is 5V/1000mA. Please use the external power supply for the HDD/flash disk, if the HDD/flash disk require power supply higher than 1000mA.

· Format your HDD/flash disk and/or SD card on HDNVR first before using, following steps as shown in "storage setup" section.

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2. Twist on the antenna to the LEFT side of the console.
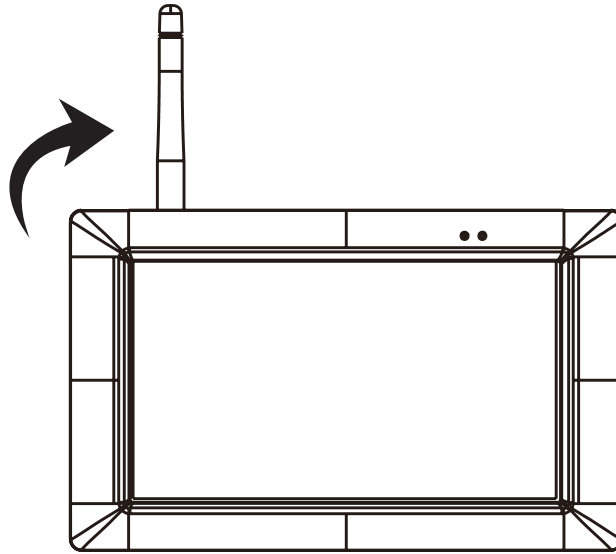
3. Connect the Ethernet cable from the BACK of the console to your router. In order to having live-view video from your HDNVR anywhere in the world on your 4G/Wi-Fi enable smart devices. You will need to connect HDNVR to the home router with an Ethernet cable.

Router
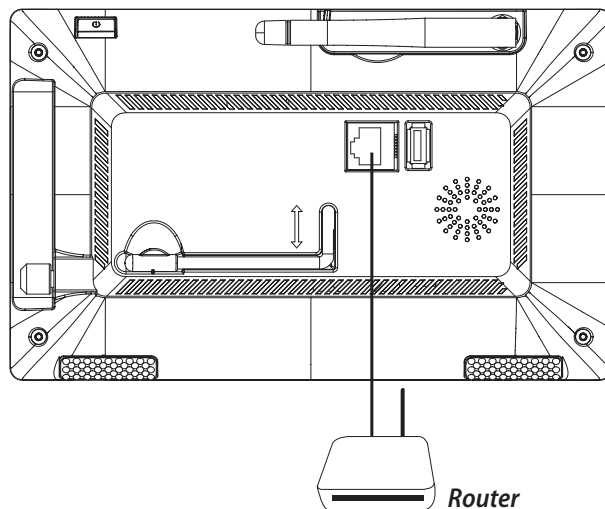
4. Connect the 12V power adaptor and power on the system for further system setup or operation. The power indicator will light up.
5. Twist on the stand to the back of the console.
*You may use USB mouse to control the system.

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Live Screen Displays
This function allows you to change the camera views are displayed on-screen in Live View mode.

Live View with Quad Dispaly
During LIVE VIEW in QUAD DISPLAY mode,tap any channel or screen for full screen display.
* The red "V" sign shows which channel is currently selected. The camera audio will be displayed.

Tap one channel   *Live-view full screen*   *Tap again to return*
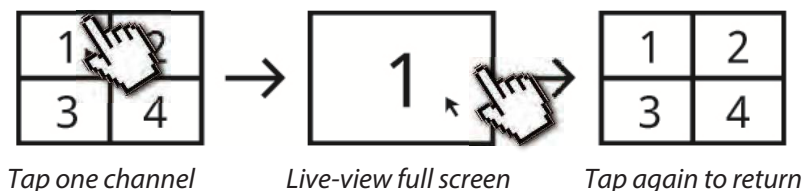
Live View with Smart-Quad Dispaly
During LIVE-VIEW in SMART-QUAD DISPLAY mode, tap screen any of the side display channels to allocate the image to the main display section of the SMART-QUAD DISPLAY.

Tap one channel   *Show it at left side*   *Live-view full screen*   *Tap again to return*
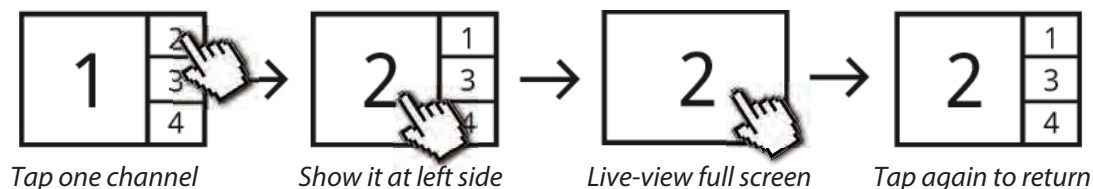
Live View with Dynamic Dispaly
You can choose to deactivate any or multiple channels in the CAMERA SETUP section of the MAIN MENU. The Wireless Digital Video Recorder will remove deactivated channel(s) from QUAD DISPLAY and SMART-QUAD DISPLAY.

Tap to turn on /off the camera

Further, SMART-QUAD DISPLAY will automatically re-configure display for optimum viewing experience.
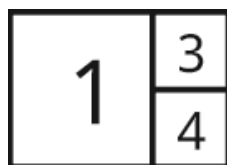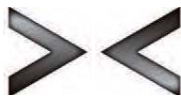
Turn CH2 off   Turn CH2/CH3 off

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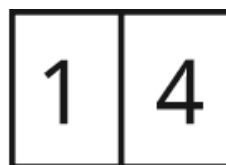
QUICK SELECT MENU

The HDNVR system is controlled through mouse operation or touch screen. Tap on the Arrow icon, it brings up menu options that allow you change the settings on the monitor and camera.

Quick Select Menu Icon Image	Function	Tap screen or left-click the mouse	Tap screen or right-click the mouse
	Display Menu/ Fold up Menu	Display/Fold up Menu	Exit Quick Select Menu
	Enter Main Menu	Enter System Setting	
	QUAD Display Select	Select QUAD Display	
	Smart-QUAD Display Select	Select Smart-QUAD Display	
	Single Channel Record/Stop Single Channel Record	Start/Stop Recording Single Channel	
	All Channel Record/ Stop All Channel Record	Start/Stop Recording All Channels	
	Volume Adjust	Mute/Vol1	
	Volume Adjust	Vol2/Vol3	

Note: System will automatically exit QUICK SELECT/MAIN menu after idling for 1 minute or longer.

AUTO SCAN

When you are running multiple cameras, you can choose to display all available channels in sequence (5 or 10 seconds). In the system setup of main menu, setup AUTO SCAN function. Tap DISPLAY SETUP to choose display method you prefer. You may choose to deactivate the channel(s) so the AUTO SCAN function can automatically skip the channel(s) deactivated.

SYSTEM OPERATION

Main Menu

This section allows you control the various actions and options that are availableon your HDNVR. Tap screen or left-click the mouse. Tap [icon] or right-click the mouse to return live view.

	Icon	Left Mouse Button	Available Options
1		CAMERA SETUP	・ Camera Pairing ・ Camera Activation ・ Resolution ・ Quality
2		RECORDER SETUP	・ Record Schedule ・ Motion Sensitivity ・ Motion Area ・ Detection
3		EVENT LIST	・ Event List Calendar
4		SYSTEM SETUP	・ Date and Time ・ Language ・ Display Setup ・ Idle Display Setup ・ Power Saving
5		STORAGE SETUP	・ Storage Status ・ Storage Formatting ・ Network Setup ・ Network Info

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Camera Setup

This section allows you to add the camera, if you have purchased addition cameras or change original camera channel. Also you can enable/disable each camera connected to the receiver. For better performance, you can setup the camera's resolution and video quality individually.

Pair the camera to HDVR
1. Tap the camera setup icon to access the camera pairing screen.
2. Select the Camera channel (Camera 1/2/3/4).
3. Tap the "Camera Pairing" icon.
4. Within 35 seconds, press and hold the pairing button on the back of the camera for 2 seconds. The Green Link LED will light up which indicate the camera is paired successfully.

NOTE: Once pairing is completed, the system will automatically restart upon leaving the MAIN MENU.

	Icon	Main Function	Setup Description
1		CAMERA PAIRING	Pairing the camera to HDNVR is needed when ・ Purchase of additional camera(s). ・ Change original camera channel.
2		CAMERA ACTIVATION	Enable/Disable camera connection for camera(s) paired to the HDNVR. If you disable the camera connection, live video streaming of that particular camera will no longer be available during the LIVE VIEW mode and there won't be any recording events from this camera. Camera On Camera Off

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3		RESOLUTION	The HDVR system supports High and Normal resolution: ・ Normal resolution setting provides better frame rate and optimized for mobile device display.
4		QUALITY	Select quality of video image: ・ High quality for better video display quality, the system will lower the display frame rate as compensation. ・ Lower quality for better display frame rate, the system will lower the quality as compensation.

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Recorder Setup

This function allows you setup recording schedule. Select one or all cameras then setup the time section and recording type (By default all cameras are selected). The system offers 2 types of recording, including time schedule and motion.

> **Note:**
> ・ Make sure the memory card is inserted into the SD Card slot before recording video.
> ・ You need to complete schedule setup first so that the system will allow motion record/ schedule REC. No schedule means HDNVR will not perform the recording.

Schedule Recording

1. Tap the recorder setup icon to access recorder setup.

2. Select one or all cameras you would like to setup.
3. Select record type as follows:
   Motion detection: The system will start recording when motion is detected.
   Schedule: The system will start recording when record date/time is selected.

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	Icon	Main Function	Setup Description
1		CAMERA SELECT	Setup the recording schedule for any or all cameras: ・ Select camera 1, 2, 3 or 4 to setup record method, date and time period individually. ・ Select camera all to setup, recording for all cameras connecting to the system.
2		RECORD METHOD : Motion	Setup the recording method: ・ Motion – record will begin only when system detects motion (efficient way to save HDD space, suitable for long-term recording).
		RECORD METHOD : Schedule	・ Scheduled – record will begin/end, according to time period predefined by user.
		None	If you don't specify the Record or Method function (as above), it means the system will not perform recording.
3		RECORD DATE SELECT	Select the weekly cycle for recording to ・ Take place: ・ Sunday ・ Monday ・ Tuesday ・ Wednesday ・ Thursday ・ Friday ・ Saturday ・ Everyday ・ Monday-Friday ・ Monday-Saturday ・ Saturday-Sunday
4		DEFINED RECORD PERIOD	Setup the record START/END time period.

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Motion Detection Sensitivity

This function allows you setup the motion sensitivity for each camera. You have the selection of low, medium and high.

1. Select one camera that you would like to setup.
2. Choose motion sensitivity range.

Motion Detection Sensitivity
Enter Camera Select

	Icon	Main Function	Motion Detection Range	Setup Description
1		PIR ONLY	PIR effective within 5M	Motion detection via hardware PIR sensor on camera only. Detect biomass motion using PIR sensor only.
2		PIR OR MOTION LOW	PIR effective within 5M, software effective within 4M	Detect biomass motion using PIR sensor or embedded software with low sensitivity, whichever detects moving object first.
3		PIR OR MOTION MID	PIR 5M softwave 5M	
4		PIR OR MOTION HIGH	PIR 5M softwave 6M	

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Motion Area

This section allows you to setup the motion area for each camera. By default, the entire view of the camera has been enabled to detect motion. You can click the checkbox to disable.Select the camera for MOTION AREA setup by clicking on camera 1, 2, 3 or 4. Tap on the grid to remote. The check sing where motion detection is no needed.

1. Tap to bring up a visual identification mark(red star), which allows user to easily identify the grid select.
2. Tap to confirm selection. Check (detect) / uncheck (do not detect)
3. Tap the exit icon 🔙 to save and exit.

Motion Area
Block or Unblock Grid

Detection Setup

This section allows you setup the desired recording time and adjust the time duration between each alert. Also you can setup the time period when the cameras disconnected.

Detection Setup
Additional setup options

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	Icon	Main Function	Setup Description
1		MOTION RECORD PERIOD	Configure the length of record period upon motion trigger event: · 30 seconds　　· 60 seconds　　· 120 seconds Note: REC Time may be extended if the motion continues.
2		MOTION ALARM	Configure the length of alarm sound period upon motion trigger event: · Off　　· 5 seconds　　· 10 seconds
3		CAMERA DISCONNECTION ALARM	Configure the length of video alarm sound period when the cameras disconnected: · Off　　· 5 seconds　　· 10 seconds

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Event List

This function allows you to search and play previously recorded videos that are stored on your hard drive.

1. Tap main menu icon to access event list screen.

2. Tap one or more camera(s) that you would like to display for playback.
3. Tap month and date.

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4. The recording videos will display on screen. Then click a file to play the event.

	Main Function	Setup Description
1	EVENT PERIOD SEARCH	Predefine event search period by month/year. Use left/right arrow to change search period.
2	CAMEAR SEARCH	Touch screen available recorded video file(s) by camera. The system will indicate available recorded video file(s) of the camera selected within the search period via date highlight. ・ Camera 1 ・ Camera 2 ・ Camera 3 ・ Camera 4 ・ All Cameras
3	EVENT INDICATOR	Left click on the date highlighted to see list of available recorded video file(s).
4	EVENT RECORD	Double click on the event to playback recorded video file. Delete the selected file or copy selected file to memory card with a check mark. You can select multiple files to copy or delete.

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SYSTEM SETUP

This function allows you to setup the system, including date setup, language, display, and power saving.

Date and Time

You can configure the date and time using Up/Down arrows to adjust YEAR/MONTH/DATE/HOUR/ MINUTES. When done setting, tap the return icon or use the mouse to save and exit.

Language

This section allows you to setup the system language. After system language be selected, all the system settings, including push setting will be restored into factory default.

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Display Setup

This section allows you to activate/deactivate the following icons on screen display:

- Signal Strength Indicator
- Time Stamp
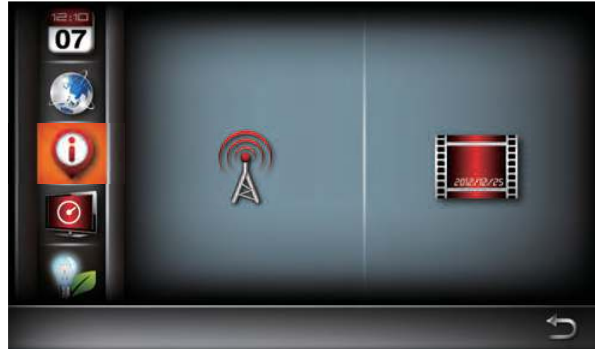
IDLE Display

This section allows you to setup display mode during system idle. You can select Quad or Smart Quad screen display, and the time setup for auto-scan.

Power Saving

This section allows you to setup power saving mode. There are 3 options you can setup:

- Enter Power Saving mode after system idle for 5 minutes.
- Enter Power Saving mode after system idle for 10 minutes.
- Screen always on (deactivate Power Saving).

Note: We suggested that enabling the power saving function.

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Storage Setup

This section allows you to managemernt your storage. You can formate or overwrite your HDD or memory card.

Security Code

1. Tap Network setup to access your security code.

2. Enter a new security code.

The default security code is 123456. We suggested you change the security code to avoid who can access your device. You need to change the security on both receiver and app.

3. Tap "OK" to save and exit.
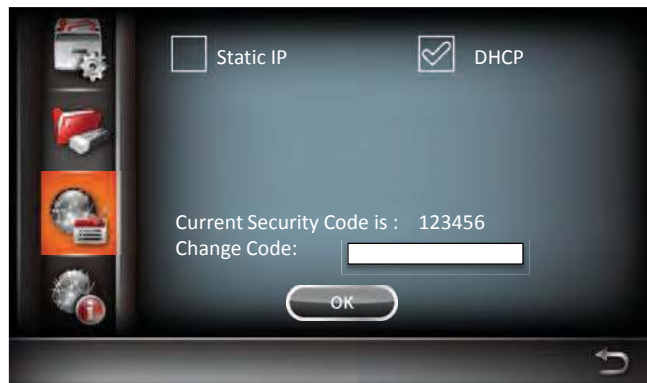
	Icon	Main Function	Setup Description
1		STORAGE SETUP	Activate/Deactivate the Overwrite function for HDD and memory card.
2		STORAGE FORMATTING	Format HDD or memory card. Formatting the storage will erase all stored data.

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3		NETWORK SETUP	Setup Network Connection and Security Code (remote access):
			 ・ Static IP – if you are using fixed IP address, please obtain and enter the IP information provided by your local ISP.
			 ・ DHCP – if you are using dynamic IP address, simply select DHCP and there is no need to enter any additional IP address information.
			
			 Setup your security code to limit who can have access to your security data. Up to 12 characters of number and alphabet can be allowed.
			 Tap "OK" to save the setting and exit.
			
			 The Network Connection status will be displayed on the view screen via the following icons:
			
			  Network Connection is normal
			
			  No Network Connection available. Please make sure the HDNVR receiver is connected to the router via the Ethernet cable provided. Abnormal Network Connection.

4		SYSTEM INFO & UPGRADE	Display System information: ・ HDNVR Receiver Firmware Version ・ HDNVR Camera 1/2/3/4 Firmware Version System ID ・ DID ・ Security Code ・ Internet IP & Server System Upgrade: ・ Click on screen any location to begin system upgrade process

30

SETTING UP YOUR DEVICE

The HDNVR system allows you to remotely access the live video from your iPhone, iPad or Android mobile device.

Add device

1. Download and install the "WDVR Cam" app from Google play^{TM} or the App Store. Then launch the app.


For iOS

For Android

Note: Before start adding a new system, you need to change the reciver's default password.
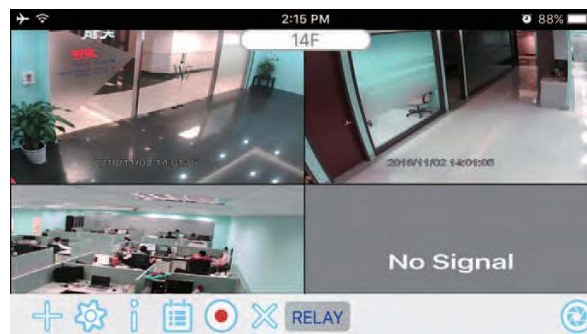Please note DO NOT use "123456" as your password. Follow the steps below:

1. In the main menu section, tap storage setup .

2. Tap network setting.

3. Click DHCP then changes the password .

4. Tap "OK" once you have finished password modification.

2. Andriod: Tap the "NEW" icon to add new device.
   iOS: Tap the "+" icno to add new device.

Andriod

iOS

31
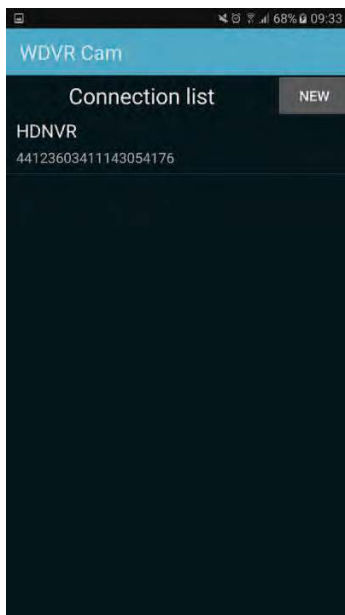
3. Tap the "scan QR code" to scan code located on the rear of the monitor. You can also enter ID directly. Then give the device a new name. Eenter the password as same as your receiver. Then save the setting once you have finished it.
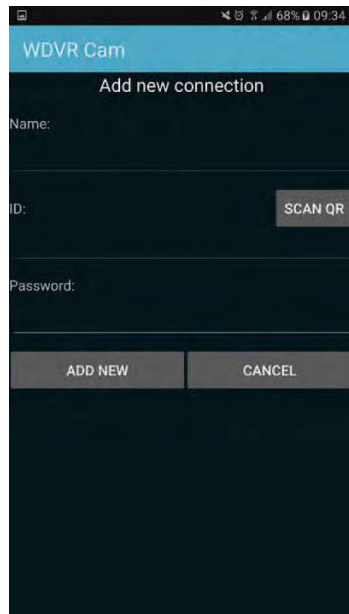
Andriod


iOS

APP INTRODUCTION

The Home screen in the WDVR app provides easy access to all of your devices settings.

Andriod

Device List   *Live View*
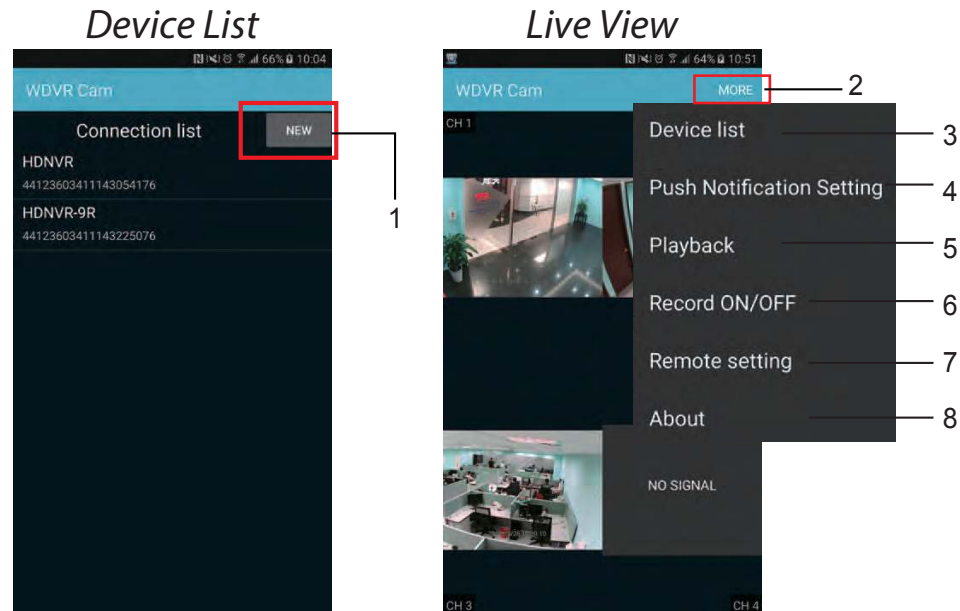
1. **New:** Tap the "New" icon to add new device
2. **More:** Tap the "MORE" icon, the more setting menu will display on screen
3. **Device List:** Tap to return to device list
4. **Push Notification Setting:** Enable/disable the push notification
5. **Playback:** Playback the recorded video
6. **Record ON/OFF:** Tap to Select one channel you would like to remote recording video
7. **Remote Setting:** Tap the "Remote Setting" to enter advanced setting
8. **About:** Device connection information

33
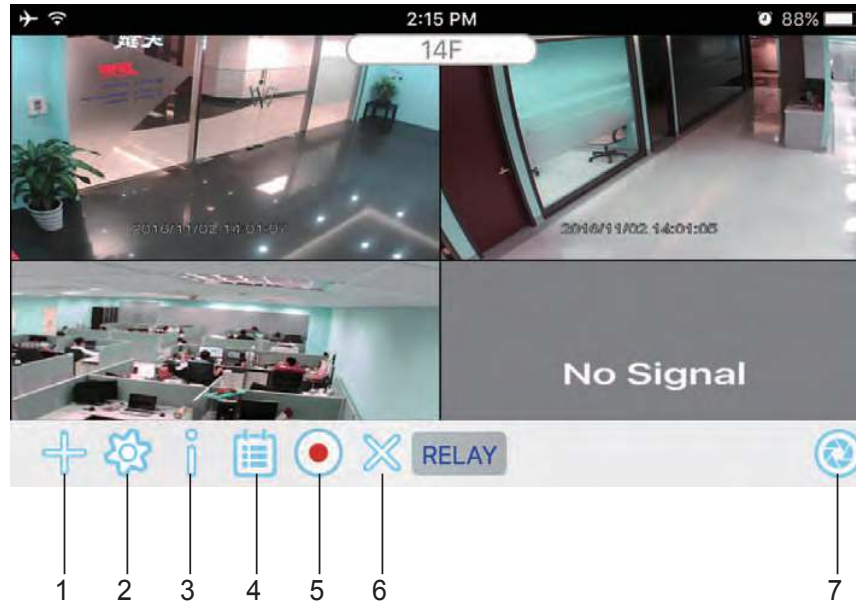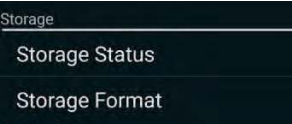
1. Tap to ddd new device/device list.

2. Tap to enter the remote setting.

3. Tap to access the push notification setting.

4. Tap to access event list for video playback.

5. Tap to starting recording video. Tap again to stop recording.

6. Tap to connect/disconnect the device.

7. Tap the icon to save a snapshot of your smartphone or tablet.

34

APP Main Control Manu

You can access the app menu to control your device.

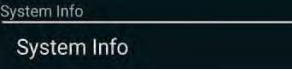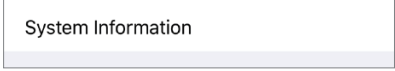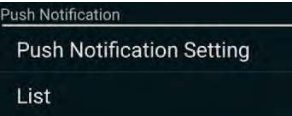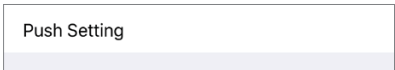|	Section	Andriod	iOS
1	Camera Setup	Camera Camera 1 Camera 2 Camera 3 Camera 4	CAMERA SETUP Camera 1 Camera 2 Camera 3 Camera 4
2	Recorder Setup	Record Schedule Motion Sensitivity Motion Area Recording Options	RECORDER SETUP Record Schedule Motion Sensitivity Motion Area Detection Setup
3	System Setup	System Date 11/1/16 10:22 Language English Display Idle Display Display smart QUAD Power Saving Screen always on Network DHCP	SYSTEM SETUP Date and Time Language Display Setup Idle Display Power Saving Push Setting
4	Storage Setup	Storage Storage Status Storage Format	STORAGE SETUP Storage Status Storage Format
5	System Info	System Info System Info	System Information
6	Push Nitifcation	Push Notification Push Notification Setting List	Push Setting

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Modify the default password

You can modify or delete the device from this section.

For Andriod

1. Tap the device you would like to edit. Then the menu will display on screen.

2. Tap "Modify" the change the default password.

3. Enter new password.

4. Tap "update" once you're finished the password modification.
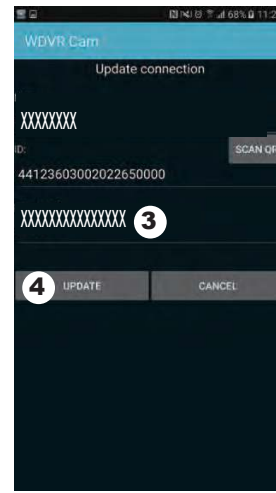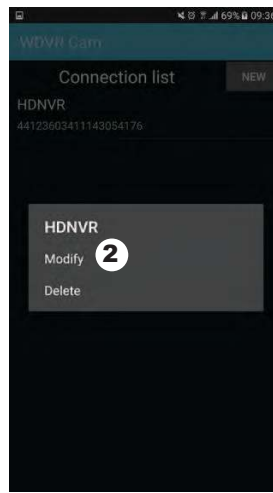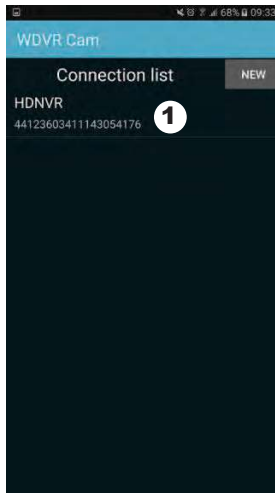
For iOS

1. Tap the [icon] icon to enter device list

2. Tap [Edit] button

3. Enter the new password

4. Tap "Save" once you're finished the password modification.

36
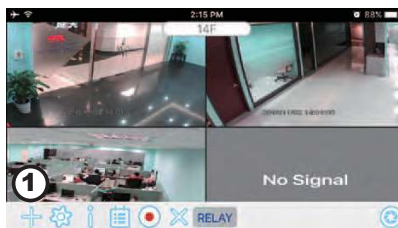
Push Notification

This function allows you to enable/disable the push notification.

For Andriod

1. Tap the Push Notification Setting
2. Click/unclick to enable/disable the push notification
3. Enter user name
4. Tap "OK" when you're done.

For iOS

1. Tap the ⓘ icon
2. Enable/disable the push notification
3. Enter user name
4. Tap "Save" when you're done.

37
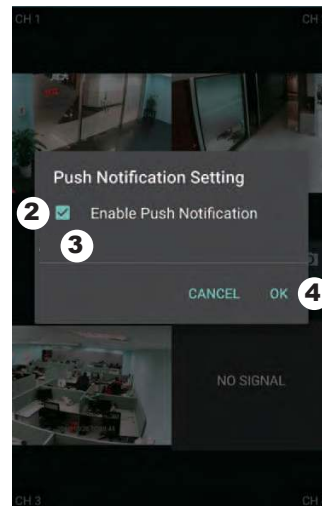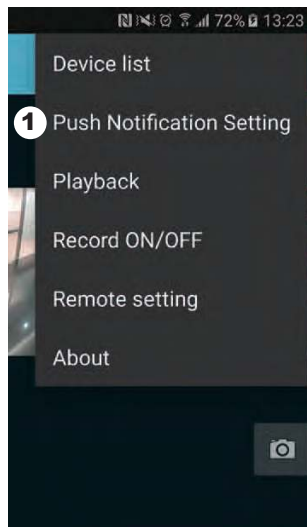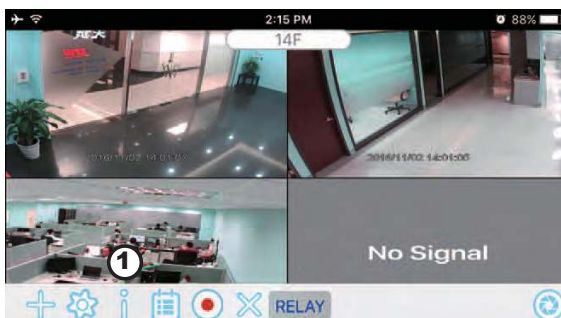
Playback

You can access your device to playback the event video.The recorded video will store to the HDD or SD card. To select one storage you would ilke to playback video as well as choose one of the channel.

1. Choose either the HDD device or SD Card for video playback
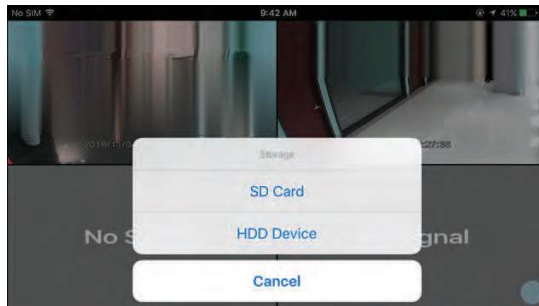
2. First select date, next select time

3. When playing the recording video, tap the play button for play/pause, tap the right button ▶▶ for fast forward, and tap the left button ◀◀ for fast backward. Tap ⊙ take a snapshot of the current scene.

Andriod

iOS

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Record ON/OFF

This section allows you to remotely record a video clip. Choose the one channel you would like to record. The clip video is saved to your storage(HDD device or SD card).

Andriod

iOS

39
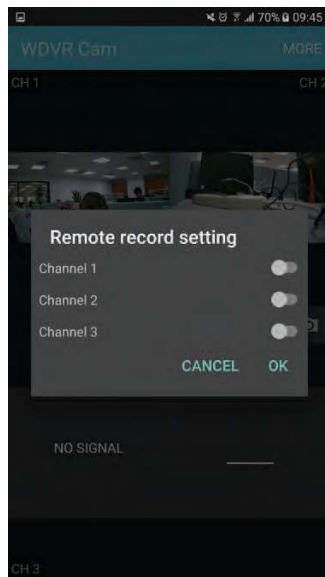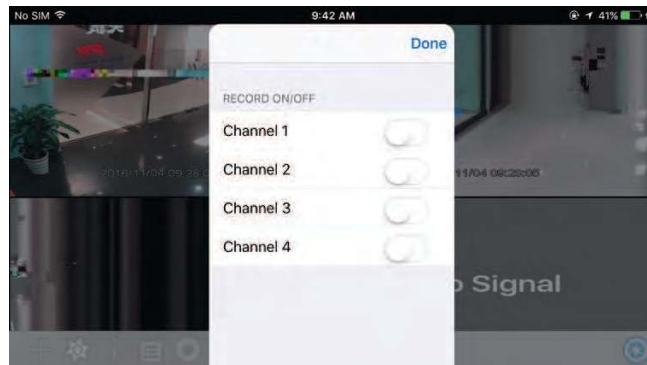
Remote Setting

This section allows you to control your device, including camera setup, record schedule, system setup, storage magement, system information, and push nitification setting.

Pairing camera

1. Tap to pair a new camera.
2. Press the pair button at the back of the camera.
3. The camera GREEN LED will light up which indicate the camera is now paired.

Activation

You can choose to active/disactive the camera.

Resolution

You can change camera's resolution quality if needed. There are 2 options L(Low) and H(High).

Quality

Tap this to change the video quality. By adjust the quality may help if you're having problems when viewing the live video stream.

Andriod

iOS

Recorder Setup

You can access and change the recording schedule for one or all cameras as well as enabling a schedule when holiday taken.The app offers 2 recording type, including time schedule and motion detection.

Schedule

1. Tap one or all cameras that you would like to setup
2. Select the recording type (time schedule or motion detection)
   Motion detection: The system will only record when it detects something moving in front of one or moew cameras.
3. You can edit the schedule for one or more days and different starting and ending times.
4. Tap "OK" to save the setting.

Andriod

ios

41
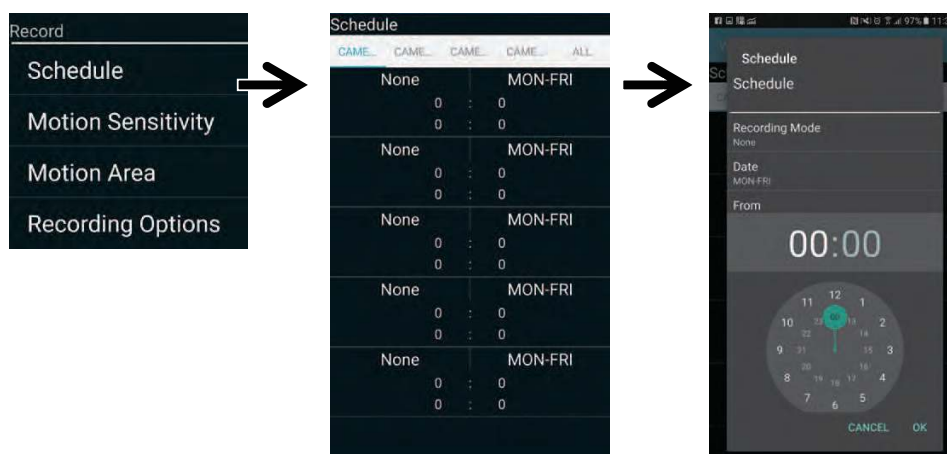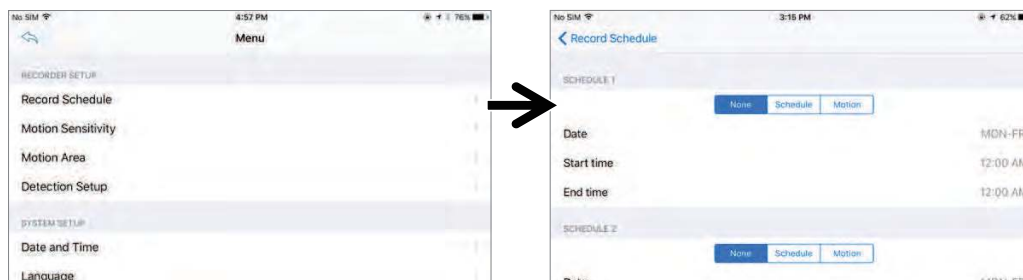
Motion Sensitivity

This section allows you can change the motion sensitivity for each camera. Regarding motion detection range, please refer to page 24.

1. Select one camera that you would like to edit.
2. Select motion sensitivity.

Andriod

ios

42
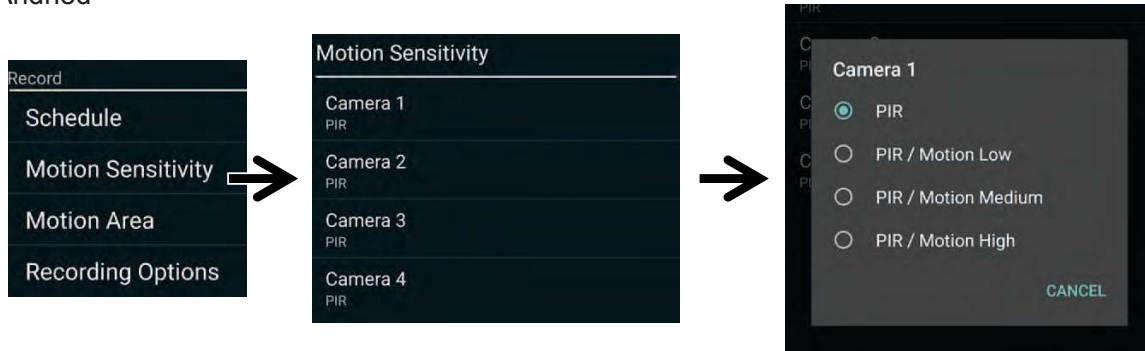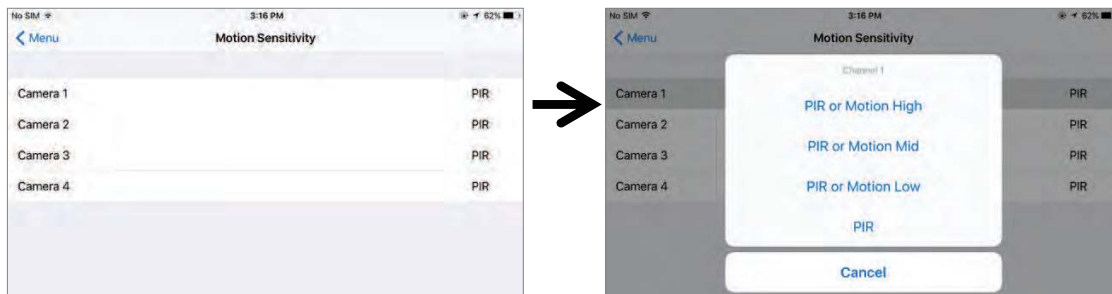
Motion Area

This function can be used to obscure all or part of your image for privacy. By default, the entire view of the camera has been enabled to detect motion.

1. Select a camera that you would like to edit.
2. Click the checkbox to enable where motion detection is no needed.

Andriod

ios

43
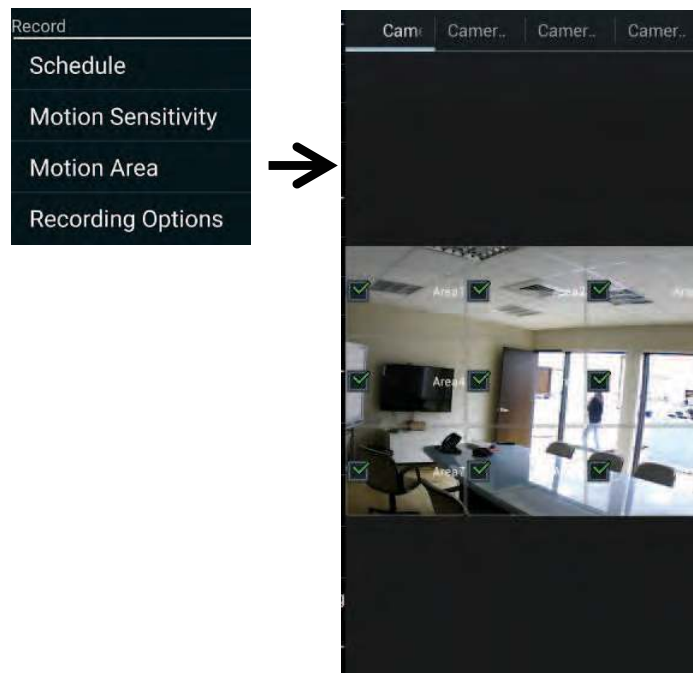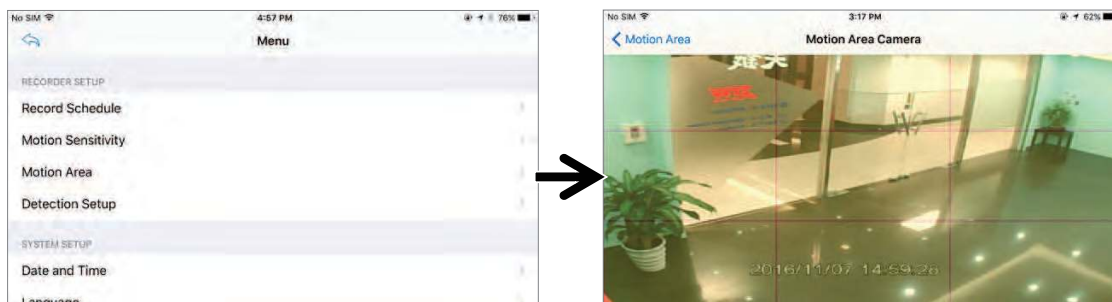
Recording Options

This section allows you to setup the recording time for each recording file, which will save to your storage. Motion alarm function allows you to adjust the time duration between each alert.

Record Length

You can setup the recordng time for each recording file.

Motion Alarm

This function allows you to setup the time duration between each alert.

Camera Disconnection Alarm

Configure the length of video alarm sound period when the cameras disconnected.

Andriod

ios

44
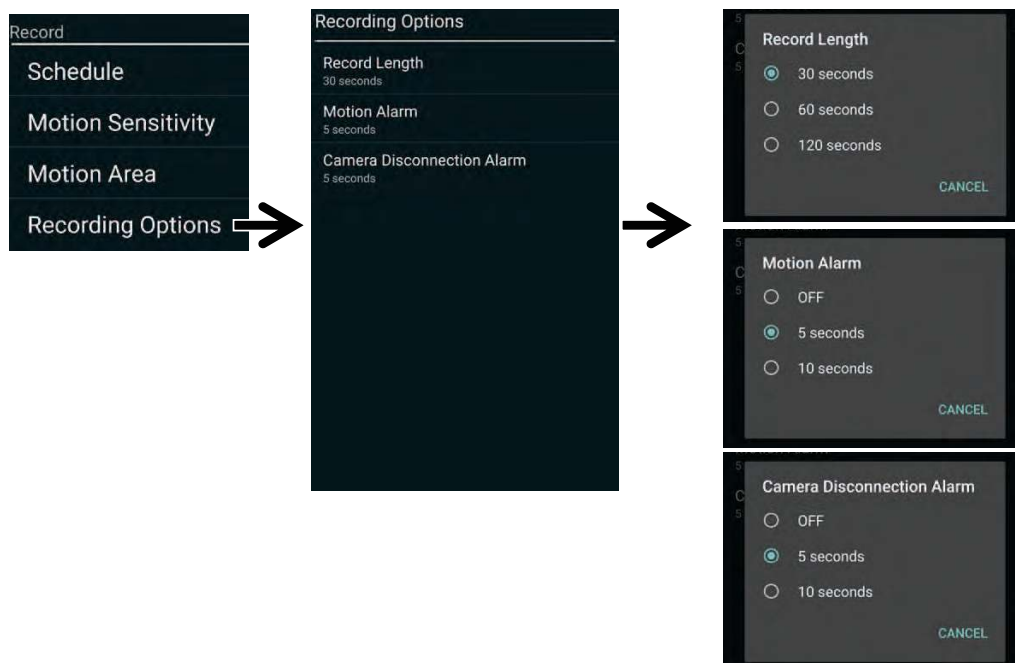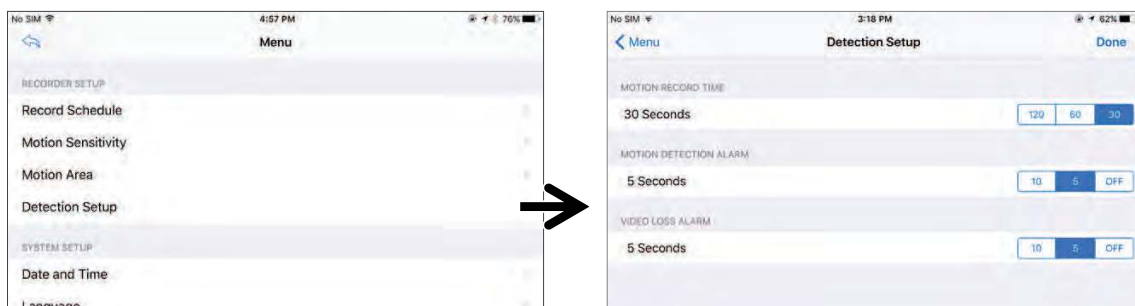
System Setup

This section allows you to setup the system, including date, language, and display setting.

Date Setup

If the date and time is not correct, click the calendar icon to select the correct date.

Andriod   ios
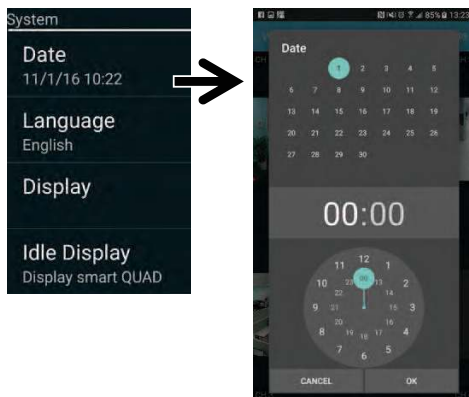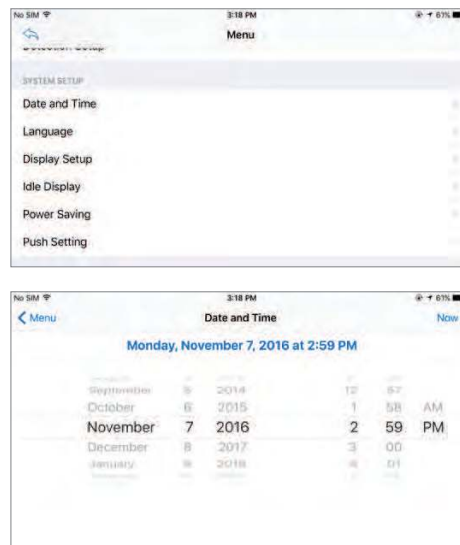
Lauguage

Select a language you would like the system menus.

> **Note:** After you reset the language, all the system settings will be restored into factory default.

Andriod   ios

45
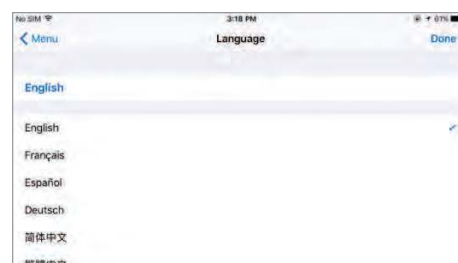
Display

You can enable/disenable setup signal indicator, and add recording time on video.

Andriod   ios

Idle Display

You can setup display mode during system idle. To select Quad or Smart Quad screen display, and the time setup for auto-scan.

Andriod   ios
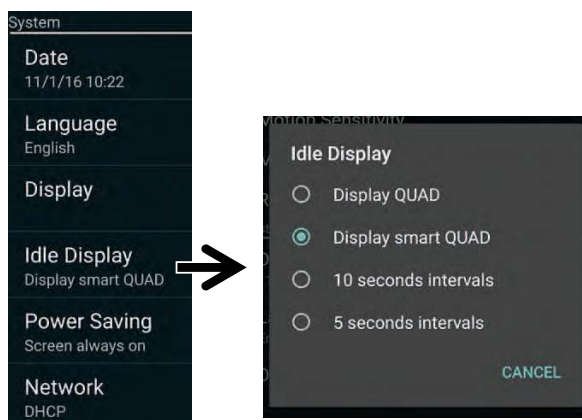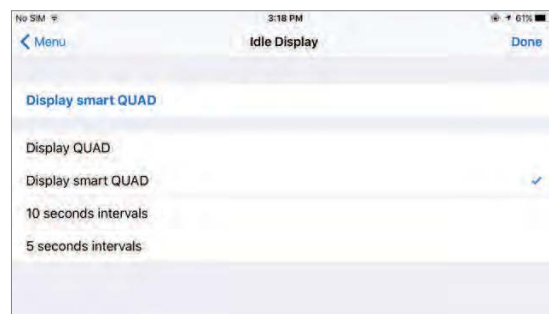
46

Power Saving

This section allows you to setup power saving mode. There are 3 options you can setup

・ Enter Power Saving mode after system idle for 5 minutes

・ Enter Power Saving mode after system idle for 10 minutes

・ Screen always on (deactivate Power Saving)

It suggested that you enable the power saving function.
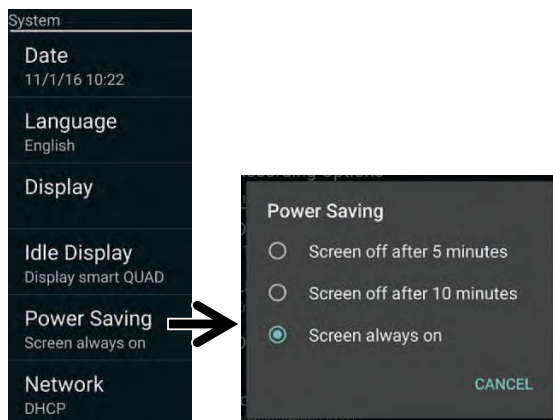
Andriod   ios

Storage Setup

This function allows you select the recording files will be saved to the HDD drive or SD card.

And if you would like to overwrite files when the card is full. Format the HDD drive or SD card, all files will be removed.

Storage Status

The recording files will save to the storage you choose. Also you can select you would like to overwrite files when the storage is full.
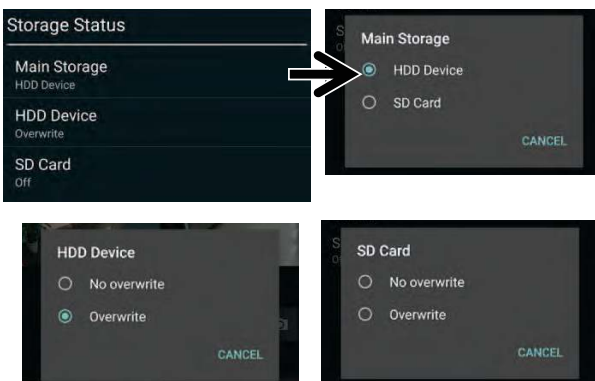
Andriod   ios

Storage Format

Select the one storage you would like to format. All files will be deleted once you're formating.

Andriod   ios

48
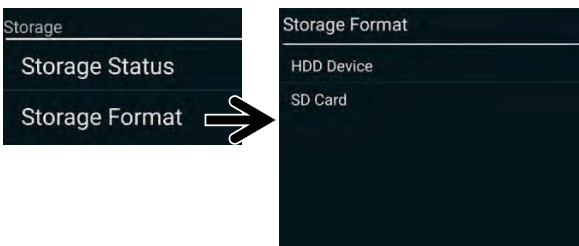
Push Notification Seeting

This section allows you enable/disable the push. Disable the push notification when you're sleeping or at work.

For Andriod

1. Go to the more section to tap Push Notification Setting.

2. Click/unclick to enable/disable the push notification.

3. Enter user name.

4. Tap "OK" when you're done.

For iOS

1. Tap the ⓘ icon

2. Enable/disable the push notification

3. Enter user name,

4. Tap "Save" when you're done.

49
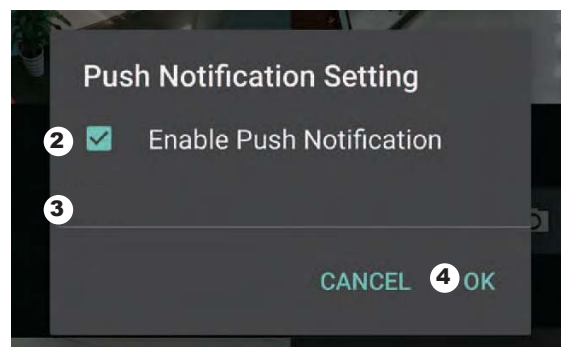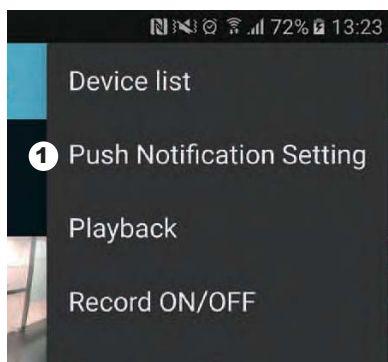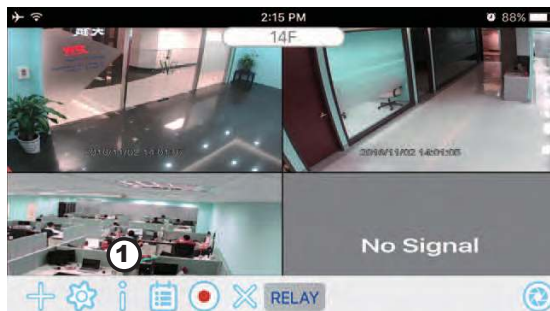
Interval

This function allows you to setup interval time of the push. There are four options you can select how long you'll receive the push. Your smart phone will receive the push immediately after first triggered. After that the camera will send the push according to interval time you setup. To avoid receiving the push frequency.
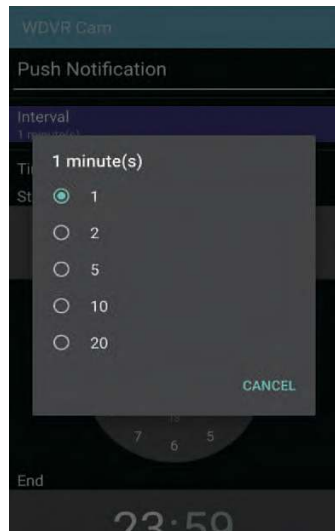
Andriod   ios

Time period

This function allows you to setup "Do Not Disturb" time. To setup when Push is starting and ending time. Only during the time you setup, you will receive the push.

50
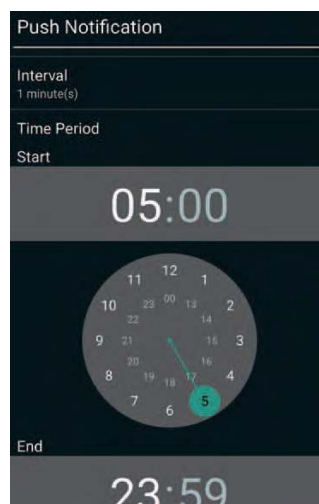
List

From list section, you can see which smart devices currently receive push from the system. The app allows max 8 devices to receive the push. You may remove all devices from the push list by resetting the language.
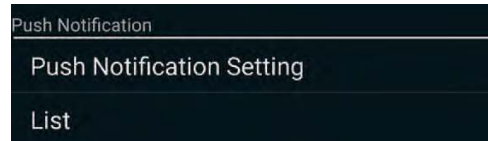
Factory Default Setting

The system setting will go back to factory default after language reseted. All information such as password and push setting will be removed.

> **Note:** Please change default security code and apply push service from smart devices after you reset the language and system parameter to default.

TROUBLE SHOOTING

Problem	Possible Cause / Possible Solution
"No Signal" or "No Video"	・No Power supply to camera 　→ Check power adapter and power cord connection
	・The camera is not paired with monitor or signal disconnected 　→ Unplug camera power, then plug in again to reconnect. 　→ For more details, please refer to the pairing section.
	・Service out of range 　→ Relocate HDNVR or camera for better reception 　→ Adjust antenna or use HDNVR proprietary extension cable with high gain antenna to improve the range. Please contact the store from which you made the purchase.
	・Signal has been blocked. 　→ If possible, remove major obstacles in between cameras and monitor or relocate camera/monitor away from the water tank(aquarium),metal covered surface(tin roof/ metal door) and the brick/marble wall
Low or unstable streaming video	・Antenna directional limitation 　→ Relocate the monitor or cameras for better reception 　→ Adjust antenna or use monitor proprietary extension cable with high gain antenna to improve the range. Please contact the store from which you made the purchase.
	・Strong electromagnetic interference near by 　→ Keep working motors (hair dryer / heat fan / air conditioner / water pump) or microwave oven away from the cameras and monitor.
	・Busy signal in air or wireless bandwidth is low 　→ keep cameras away from each other 3 meters or above. 　→ keep the router or hot spot away from cameras. 　→ From [camera setup], lower the camera resolution and quality to save bandwidth consumption in the air and receive more streaming video.

Receiver cannot record	・Record schedule does not setup properly 　→ Set a proper schedule to each camera to enable recording
	・Storage media not ready 　→ Use recommended storage media brand/model/spec, check 　　appendix. 　→ Install/uninstall storage media AFTER MONITOR is powered off. 　→ Format storage media on the console, then try again. 　→ Only install one HDD or Flash disk to monitor.
HDNVR Cannot remote view	・HDNVR is not connected to internet properly 　→ Make sure router DHCP and UPnP is enabled. 　→ TCP port #6000 and TCP port #80 should be opened. HDNVR 　　may use some numbers of UDP ports assigned by your home 　　router for network transmission. Please make sure these ports are 　　opened. Consult your router provider for details if necessary. 　→ Make usre the Ethernet cable connection to router is solid. 　→ Connect HDNVR directly after the router, do not connect HDNVR to 　　router through a hub or switcher. 　→ Exit HDNVR menu then try again. 　→ Make sure the bandwidth is sufficient enough. Each remote 　　connection requires 1.5Mbps. 　→ Make sure Android pad/smart phone is 1.5G/dual core processor; 　　iPhone4S/New iPad or above 　→ General routers require 30 seconds to initiate HDNVR netwrok 　　connection. 　→ Maximium number of remote viewer is 3, the 4th connection may 　　be rejected.

PRODUCT SPECIFICATION

Receiver Unit

Transmission Power	<20dBm
Frequency Range	2403-2478Mhz
Compression Format	H.264
Video Resolution	High Definition 1080P
Viewing Options	Full Screen/QUAD/Smart-QUAD
Storage Media	External USB HDD (not included); SSD compatible (not included) Memory card slot (up to 128GB; for footage backup only; memory card not included)
Motion Detection	PIR On/Off setting for each camera
Record Mode	Schedule/Motion Detection/Manual
Network Interface	RJ45 (LAN, Internet)
Ethernet Output	10/100Mbps
Mouse Control	Yes
Power Supply	DC 12V
Operating Temperature	-10°C ~ +40°C
Storage Temperature	-20°C ~ +50°C

Camera Unit

Transmission Distance	300 Meters in open space
Image Resolution	1920 x 1080 (Full HD)
Housing	IP66 weather resistance metal
Viewing Angle	H: 90°, V: 45°±3°
Low Light Solution	6 IR LEDs w/ IR CUT switcher
Night Visibility	8 Meters
Power Supply	DC 5V
Operating Temperature	-10°C ~ +40°C

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APPENDIX 1: COMPATIBLE LIST

Wireless DVR Hard Disk Compatible List (External USB HDD)

Category	Manufacturer	Model No.	Form Factor	USB Standard	Capacity
USB HDD	Silicon Power	/	2.5"	USB 3.0	500GB
	Transcend	storejet	2.5"	USB 3.0	500GB
	Toshiba	593400-A	2.5"	USB 2.0	500GB
	WD Elements	Elements portable	2.5"	USB 3.0	1TB
	Seagate	STBX1000301	2.5"	USB 3.0	1TB
	WD Elements	WDBUZG0010BBK	2.5"	USB 3.0	1TB
	Note: The model below is known to be NOT Compatible				
	ADATA	HV610	2.5"	USB 3.0	1TB

Wireless DVR USB Flash Drive Compatible List

Category	Manufacturer	Capacity	Model No.	USB Standard
Flash Memory	Sandisk	CZ48	USB 3.0	32GB
	Sandisk	CZ33	USB 2.0	32GB
	Toshiba	UHYBS-032GH	USB 2.0	32GB
	Toshiba	THV3SZK-32G-BK	USB 3.0	32GB
	PNY	OPENER	USB 2.0	32GB
	PNY	Attaché	USB 3.0	32GB
	Transcend	JetFlash	USB 3.0	32GB
	Kingston	DTSE9	USB 2.0	32GB
	Kingston	DTM30	USB 3.0	32GB
	Note: The model below is known to be NOT Compatible			
	Transcend	TS32GJF350	USB 2.0	32GB

Wireless DVR Memory Card Compatible List (T-Flash)

Category	Manufacturer	Model No.	Speed	Capacity
Memory Card	Kingston	/	Class-10 (Read up to 45MB/s, Write up to 10MB/s)	32GB
	Sandisk	/	Class-10 (Read/Write up to 30Mb/s)	32GB
	Sony	/	Class-10 (Read/Write up to 40Mb/s)	32GB
	Samsung	/	Class-10 (Read/Write up to 48Mb/s)	32GB
	Toshiba	/	Class-10 (Read/Write up to 30Mb/s)	32GB
	Transcend	TS32GUSDC10	Class-10 (Read/Write up to 25Mb/s)	32GB
	Kingston	/	Class-10 (Read up to 45MB/s, Write up to 10MB/s)	16GB
	Toshiba	/	Class-10 (Read/Write up to 30Mb/s)	16GB
	Transcend	TS16GUSDC10	Class-10 (Read/Write up to 20Mb/s)	16GB
	Kingston	/	Class-10 (Read up to 45MB/s, Write up to 10MB/s)	8GB
	Pny	SDHC C10	Class-10 (Read/Write up to 30Mb/s)	8GB
	Toshiba	/	Class-10 (Read/Write up to 30Mb/s)	8GB
	Note: The model below is known to be NOT Compatible			
	Transcend	TS8GUSDC10	Class-10 (Read up to 25MB/s, Write up to 12MB/s)	1TB

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APPENDIX 2: RECORDING CAPACITY

1CH VGA@High	TF Card	Flash Drive	Hard Drive
4GB	11 hours	11 hours	-
8GB	22 hours	22 hours	-
16GB	45 hours	45 hours	-
32GB	92 hours	92 hours	-
500GB	-	-	60 days
1TB	-	-	120 days

4CH VGA@High	TF Card	Flash Drive	Hard Drive
4GB	3 hours	3 hours	-
8GB	6 hours	6 hours	-
16GB	11 hours	11 hours	-
32GB	23 hours	23 hours	-
500GB	-	-	15 days
1TB	-	-	30 days

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myCam

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