Smart Phone Monitoring Software User's Manual

iDMSS / gDMSS / wDMSS

Version 3.2.0

Table of Contents

1 OVERVIEW 1

1.1 General Introduction 1

1.2 Features 1

1.3 Compatible Models 1

2 DOWNLOADING AND INSTALLATION 2

3 OPERATION 2

3.1 Main Menu 2

3.2 Device Manager 3

3.2.1 Add Device 3

3.2.2 Modify Device Info 5

3.2.3 Delete Device 5

3.2.4 Remote Configuration 6

3.2.5 View HDD Information 8

3.2.6 Alarm Out Control 9

3.2.7 Import Cloud Device 10

3.3 Live Preview 10

3.3.1 Enable Monitoring 11

3.3.2 Close Monitoring 13

3.3.3 Record 14

3.3.4 Snapshot 14

3.3.5 Favorites 14

3.3.6 Real-time Playback 16

3.3.7 PTZ 16

3.3.8 Bit Stream Switch 18

3.3.9 Alarm Out Control 19

3.3.10 Light Control 20

3.3.11 Lightness Setting 21

3.3.12 Full Screen 22

3.4 Playback 23

3.4.1 Record Playback 23

3.4.2 Picture Playback 24

To playback picture: 24

3.5 File Manager 25

3.5.1 View File 25

3.5.2 Share File 25
3.5.3 Export File 26

3.6 E-Map 26
3.6.1 Create E-Map 26
3.6.2 Edit E-Map 27

3.7 Favorites 27

3.8 Alarm Push 28
3.8.1 Push Config 28
3.8.2 Instant View of Alarm Push 29
3.8.3 Alarm Push Event List 29

3.9 Local Config 30

1 Overview

1.1 General Introduction

This manual is designed for smart phone to perform monitoring function. It is built on traits of mobile device to include functions of multiple touch control, touch signal recognition, alarm push, P2P function, DDNS analysis and etc. User can preview, control PTZ, play video and etc. from front-end camera, DVR, and speed dome, under 3G, 4G and WIFI environments.
This software supports iOS and Android platforms only while iDMSS suppers iOS, and gDMSS supports Android.

1.2 Features

This software has the following features:

- Support multiple channel monitoring and playback with a max of 16 windows.
- Support real-time playback when preview.
- Playback supports quick, slow and by frame modes.
- Support local snapshot and recording. Corresponding files are stored locally.
- Support PTZ control by slide on touch screen.
- Support memory of previous channel viewed last time.
- Support color setting and streaming parameters adjustment.
- Support alarm push.
- Support alarm output control from smart phone for alarm push function.
- Support bidirectional talk.
- Support “Smart Picture” function which zooms in/out picture to view different parts of picture on different windows and at the same time.
- Support E-Map function, to show cameras on an electronic map of household or area.
- Support channel resolution and frame Config, and view of HDD info.

1.3 Compatible Models

Android	Android 2.2 and higher, Resolution: 480*800 and higher Note: To use the push function, you need to create a Google account first.
iphone	IOS 4.3 and higher

2 Downloading and Installation

App available for Android, iOS, Blackberry, Symbian, Windows Mobile and Windows 7 mobile

From your compatible Smartphone, access the App Marketplace and download the free App. This may also be listed as:

iDMSS lite for Apple iOS
gDMSS lite for Android
DMSS lite for others

iDMSS plus for Apple iOS
gDMSS plus for Android

3 Operation

3.1 Main Menu

Open app, you will see Live Preview interface in Figure 3- 1 by default.

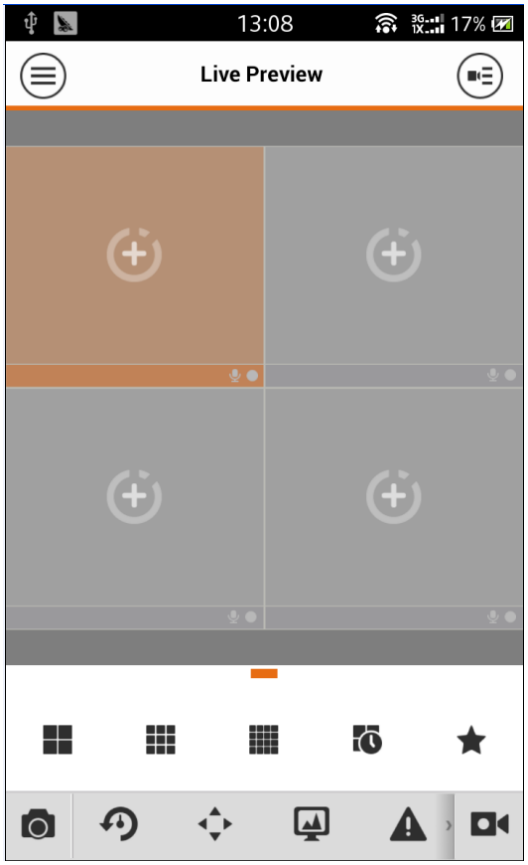

Figure 3- 1

Click on , system displays main menu interface in Figure 3- 2.

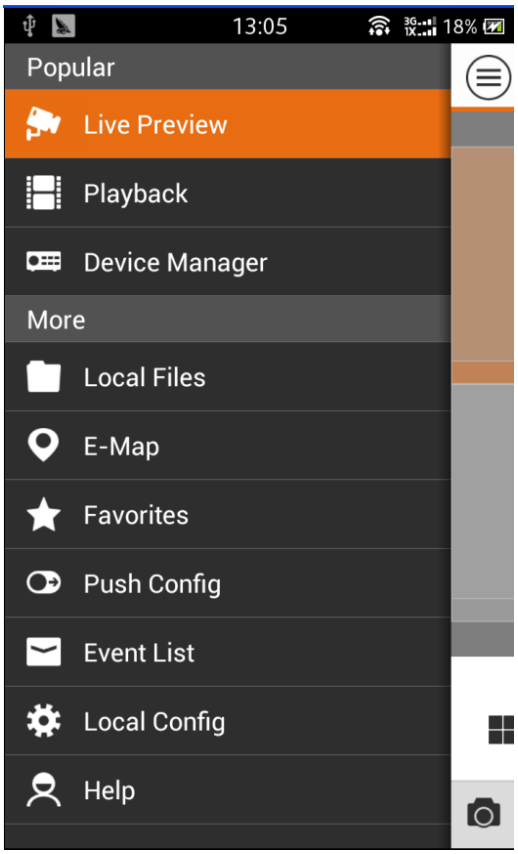

Figure 3- 2

User can click on function in main menu to enter corresponding function interface.
Main functions includes: Live Preview, Playback, Device Manager, Local Files, E-Map, Favorites, Push Config, Event List, Local Config and Help.

3.2 Device Manager

In Device Manager, you can add device, modify device info, remotely configure device, control alarm output, view HDD and delete. You also can import device list on cloud-end. Click on added device in the list, you can see its functional buttons.

3.2.1 Add Device

To add device:

Step 1. In device manager interface, click on ⊕ to enter add device interface, see Figure 3- 3.

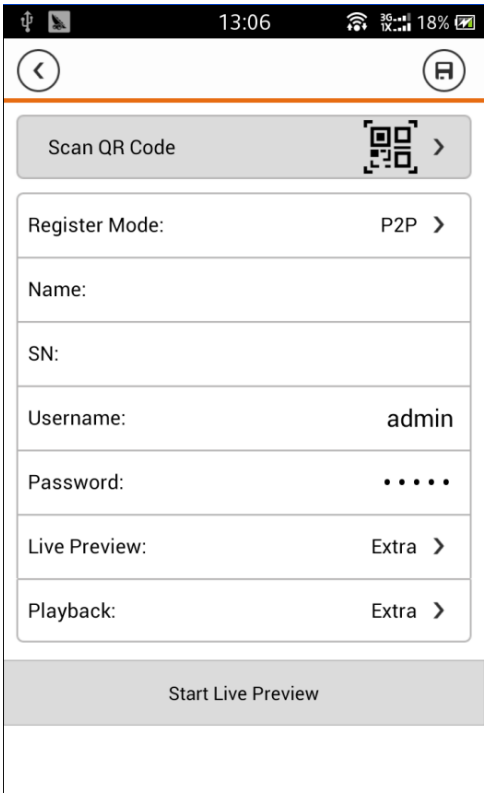

Figure 3- 3

Parameter	Note
Register Mode	● **P2P:** for network environment, device should have P2P feature enabled and connects to internet. Add device by scanning QR code or inputting SN. ● **Dahua/QuickDDNS:** for network environment, device has register in DDNS server and connects to internet. Add device by inputting complete DDNS domain name address, and analysis is done by DahuaDDNS and QuickDDNS. ● **IP/Domain name:** for normal environment, add device by inputting its IP address or third-party domain name and port.
Name	Device name.
SN Address IP/Domain and Port	● P2P type: input SN. ● QuickDDNS/Dahua type: input complete domain name. ● IP/Domain name type: input IP address or complete third party domain name and port.
Username/Password	Device username and password are both admin by default. If changed, please input new username and password.
Live Preview/Playback	Select main stream or extra stream for live preview and playback.

Step 2. Fill in parameter, and click on to save.

Tip:

- You can click on Start Live Preview to view all channels of the device. System will go to monitoring page and save device info.
- For device supporting P2P, you can scan QR code, input SN to add device.

3.2.2 Modify Device Info

To modify device information:

Step 1. In device manager interface, click on device. System shows dropdown menu in Figure 3- 4.

Figure 3- 4

Step 2. Click on in dropdown menu.

Step 3. Change device info, and click on to save.

3.2.3 Delete Device

To delete device:

Step 1. In device manager interface, click on device. System shows dropdown menu in Figure 3- 5.

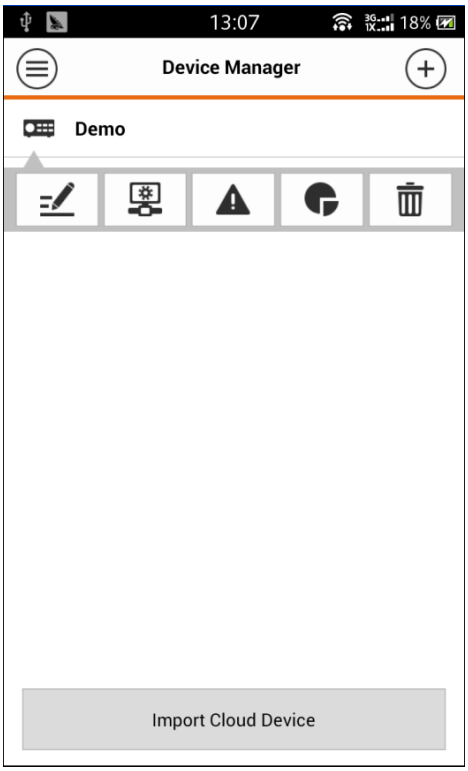

Figure 3- 5

Step 2. Click on in dropdown menu. System asks if to delete the device.

Step 3. Click on OK.

3.2.4 Remote Configuration

Via remote configuration, you can perform function of motion detect, alarm setting, camera setting, storage manager and user manager.

To configure:

Step 1. In device manager interface, click on device. System shows dropdown menu in Figure 3- 6.

Figure 3- 6

Step 2. Click on in dropdown list.

Step 3. Select correspodning item to remote configuration page as in Figure 3- 7.

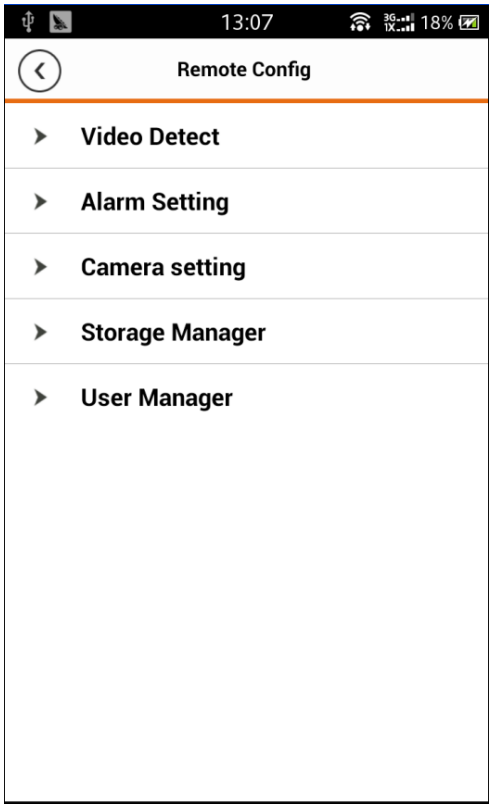

Figure 3- 7

3.2.5 View HDD Information

You can view HDD name, status, free capacity and total capacity.

Step 1. In device manager interface, click on device. System shows dropdown menu in Figure 3- 8.

Figure 3- 8

Step 2. In dropdown menu, click on to view HDD information. See Figure 3- 9.

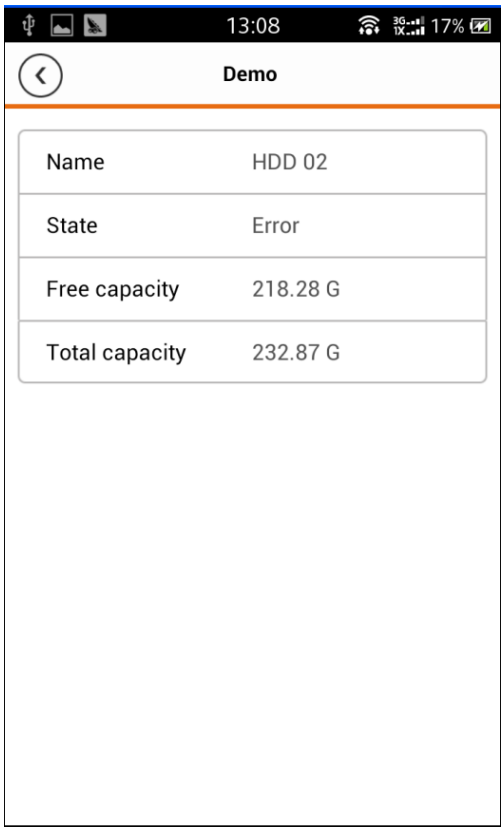

Figure 3- 9

3.2.6 Alarm Out Control

You can enable and disable alarm output of channel.

To enable or disable alarm output:

Step 1. In device manager interface, click on device. System shows dropdown menu in Figure 3- 10.

Figure 3- 10

Step 2. In dropdown menu, click on .

Step 3. Select alarm out channel, click on to enable or disable alarm out in Figure 3- 11.

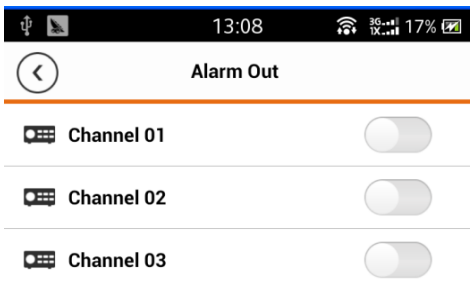

Figure 3- 11

3.2.7 Import Cloud Device

You can import cloud device. For example, you have a cloud account (i.e. DDNS account or Easy4IP account), and the account is bound with device, then you can import corresponding devices on client without manually adding one by one.

To import cloud device:

Step 1. In device manager interface, click on import cloud device button.

Step 2. Select cloud account type, and input username and password.

- DahuaDDNS:use cloud account on Dahua DDNS.
- QuickDDNS: use cloud account on Quick DDNS.
- PSP: use cloud account on Easy4IP server.

Step 3. Click on Login to import device under the cloud account.

Note:

Device from DDNS account will have “?” mark. DDNS only memorizes IP the binding relationship between the device and domain name. The”?” means there is incomplete information of device user and password which shall be completed later.

3.3 Live Preview

Click on and click on Live Preview in main interface to enter live preview in Figure 3- 12. If it is your first time opening this app, you will see live preview interface.

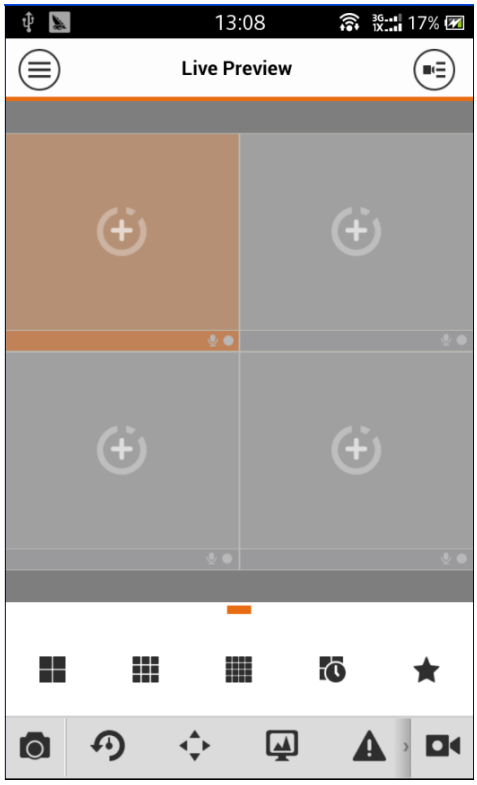

Figure 3- 12

Slice tool bar at the bottom to display more buttons as in:

Icon	Note	Icon	Note
	1/4/9/16 split		Open/Close bit stream control panel
	Open channels; Close all channels		Open/Close alarm out control panel
	Favorites		Open/Close audio
	Local snapshot		Open/Close bidirectional talk
	Start/Stop video in current window		Open/Close light control panel
	Start/Stop playback		Open/Close image adjustment control panel
	Open/Close PTZ control panel		

3.3.1 Enable Monitoring

The app supports 4 methods to open monitoring.

1. In corresponding window open monitoring video of a certain window.

   Click on in window, select channel of device displayed as to monitor the selected channel.

2. Open monitoring video of multiple windows.

   Click on at the upper-right corner, and select one or more channels in displayed device list. Click on Start Live Preview at the lower bottom. System will display monitoring video from first window in sequence as in Figure 3- 13.

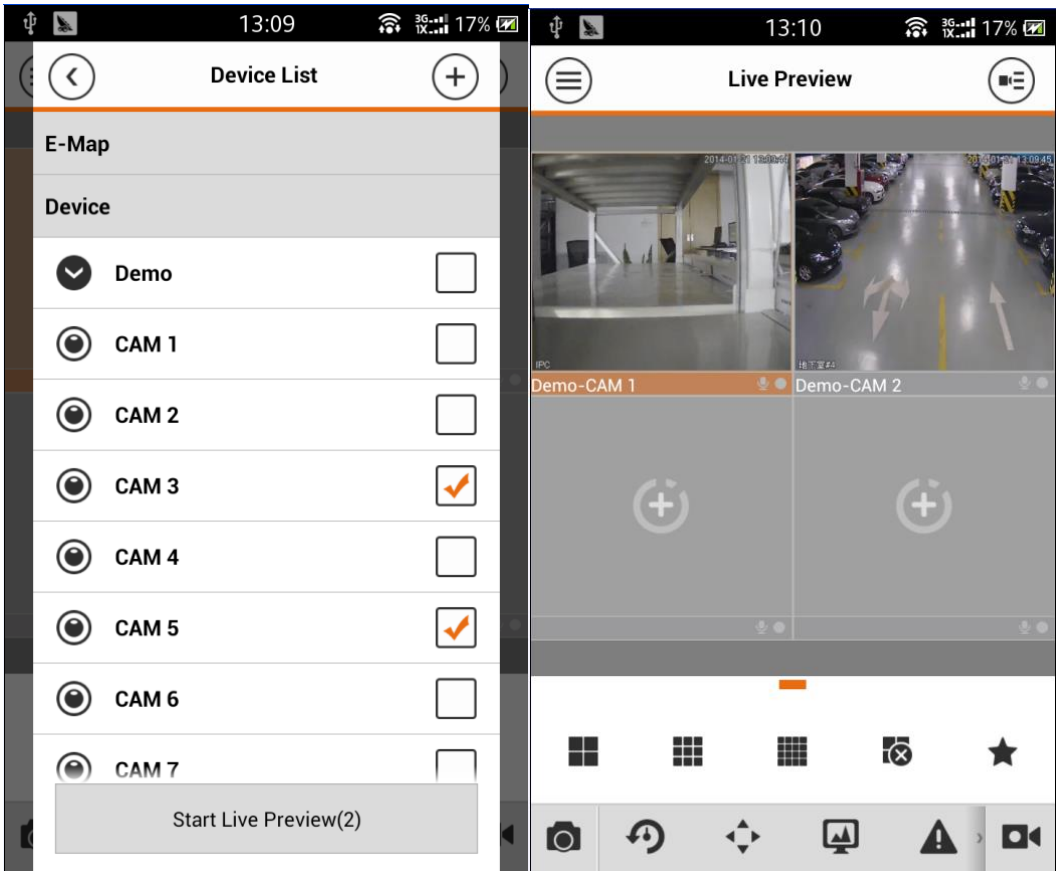

Figure 3- 13

3. Quick preview

   After you add device, click on Start Live Preview to enable preview in Figure 3- 14.

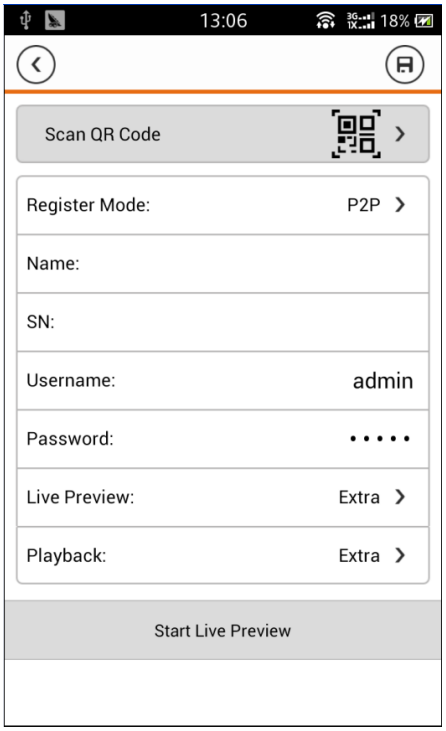

Figure 3- 14

4. Open last channels

   Click on to open channels viewed last time

3.3.2 Close Monitoring

System supports two methods to close monitoring.

1. Close a single channel.

   Long press monitoring window you want to close and drag it to the trashcan, it will be deleted. See Figure 3- 15.

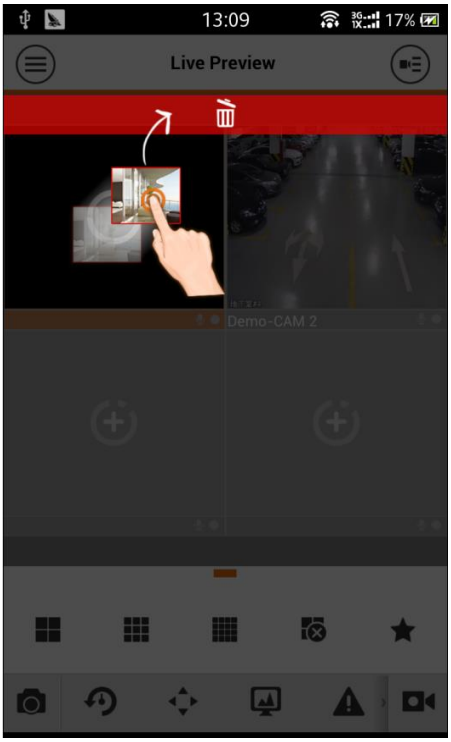

Figure 3- 15

2. Close all monitoring channels

   Click on to close all monitoring channels.

3.3.3 Record

Select designated record channel and click on to start record. Record status on bar at the bottom will show a red dot. Click this button again to stop recording of the channel.

3.3.4 Snapshot

Select channel to snapshot, click on to snapshot current channel.
You can view snapshots under local file path. Android device can view snapshots directly under app installation path.

3.3.5 Favorites

System supports favorites.

In live preview interface, click on to show favorites panel, see Figure 3- 16.

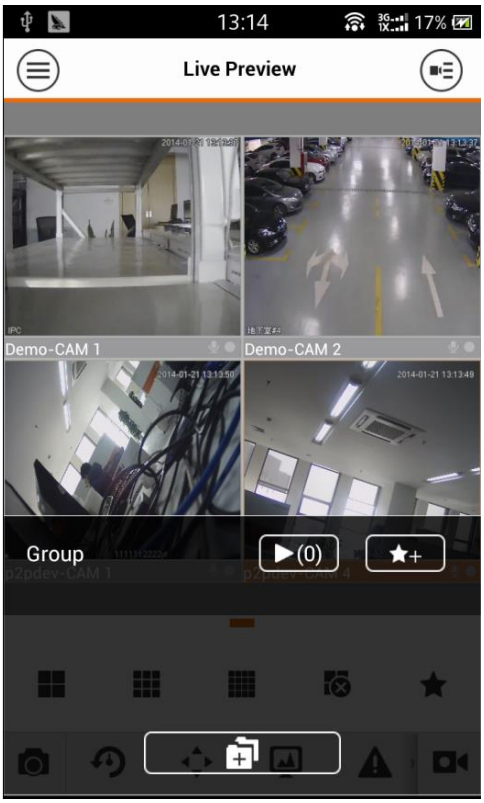

Figure 3- 16

- Click on ▶ to quickly open all channls included in favorites group.
- Click on ★+ to add channels in preview to favorites group. Click on channel to add and click on ✔. See Figure 3- 17.

Figure 3- 17

3.3.6 Real-time Playback

In live preview, click on , the selected channel will play video of the previous 15 seconds.

Note:

System default playback is 15 seconds. You can set playback time in local config.

Click on to end payback and return to monitoring mode.

3.3.7 PTZ

3.3.7.1 Direction and Zooming

Click on to activate PTZ panel. The selected window will be maximized as in Figure 3- 18.

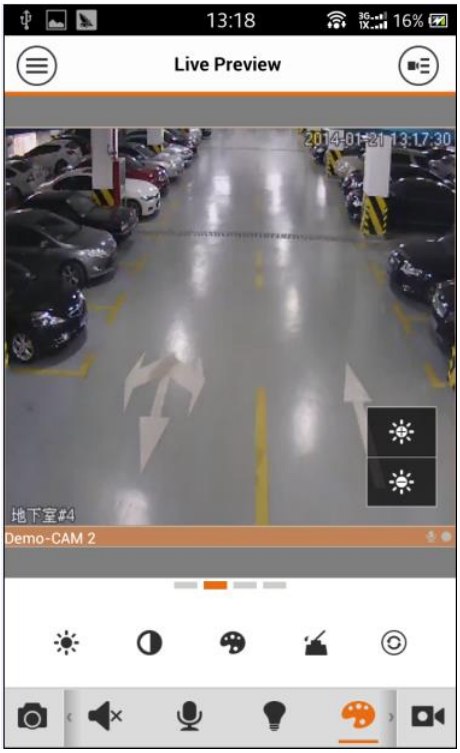

Figure 3- 18

When PTZ control is activated, use hand to control PTZ direction by sliding touch screen:

- PTZ rotation: slide the touch screen toward designated direction to rotate PTZ.
- Focus control: Slide with two fingers to control focus.

You also can:

Icon	Note
	Zoom control
	Focus control
	Iris control

3.3.7.2 Preset

On PTZ panel, click on , select preset no., and click on to adjust this preset point as in Figure 3- 19.

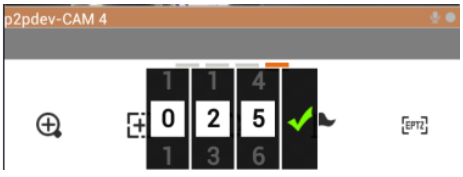

Figure 3- 19

3.3.7.3 EPTZ

On PTZ panel, click on , switch to EPTZ mode. Under this mode, you also can slide touch screen to control video display zoom in/out.

Note:

PTZ function is for camera with PTZ fucntion only. EPTZ is supported by all devices.

3.3.8 Bit Stream Switch

System switches live preview and bit stream switch.

Step 1. Under live preview, select a preview window, click on . System displays bit stream switch panel as in Figure 3- 20.

Figure 3- 20

Icon	Note
	HD mode
	Fluent mode
	Custom mode

Step 2. You can switch between main and extra stream.

- Click on , to switch to HD mode (main stream).
- Click on , to switch to fluent mode (extra stream).
- Click on , may customize main/extra stream as in Figure 3- 21.

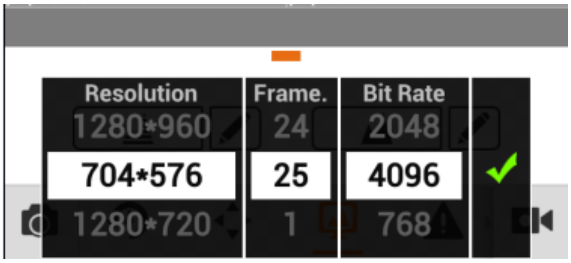

Figure 3- 21

3.3.9 Alarm Out Control

System supports to enable or disable device alarm output.

Step 1. Under live preview, select a monitoring channel, click on ⚠ button. Open corresponding alarm output of channel, see Figure 3- 22.

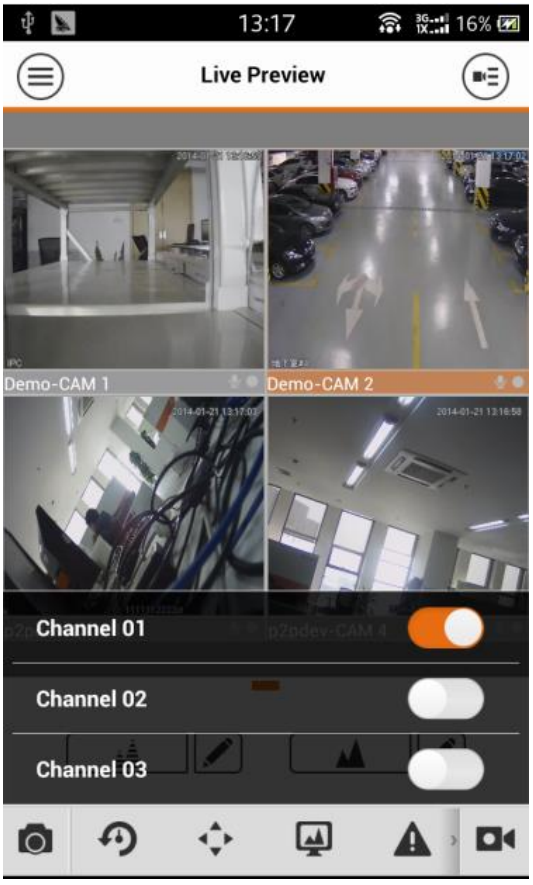

Figure 3- 22

Step 2. Click on enable button to enable or disable a certain alarm output.

3.3.10 Light Control

System supports to enable or disable device compensation light.

Step 1. Under live preview, select a monitoring channel, click on button, open corresponding light panel of the channel as in Figure 3- 23.

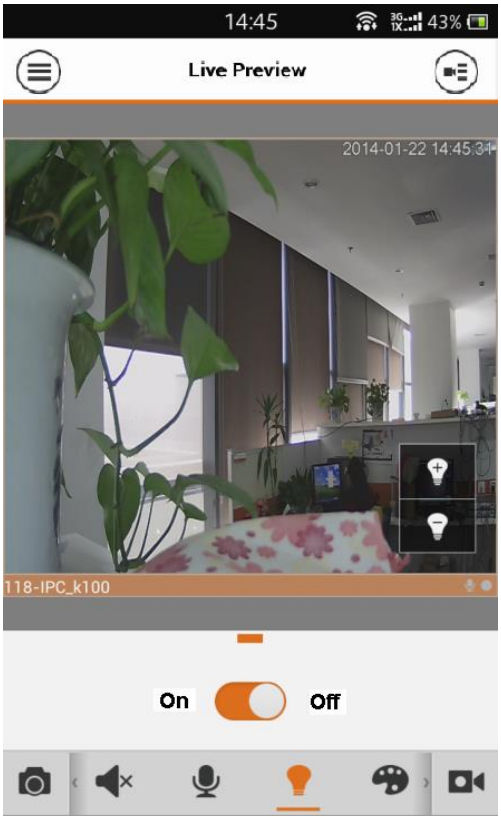

Figure 3- 23

Step 2. Click on on/off button to turn on/off compensation light.

Step 3. Click on or to adjust light.

Note:

Only K100 supports light control.

3.3.11 Lightness Setting

System supports image adjustment including brightness, contrast, saturation and etc.

Step 1. In live preview, select a monitoring window, click on button, open image adjustment control panel in Figure 3- 24.

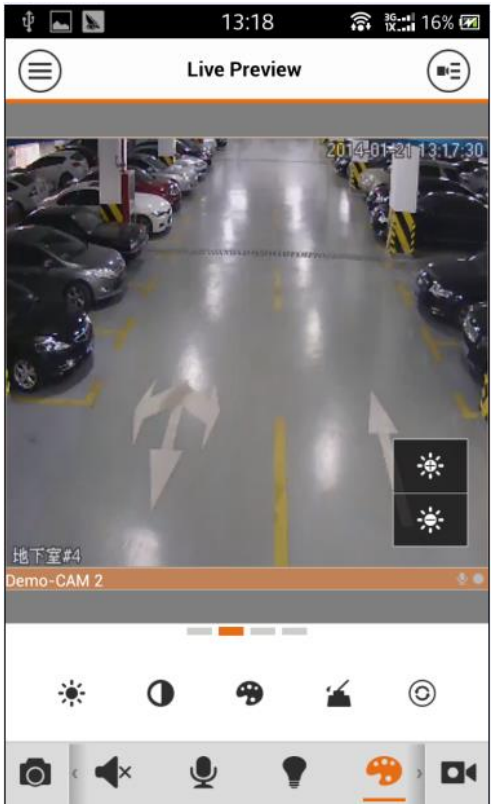

Figure 3- 24

Icon	Note
	Adjust brightness
	Adjust contrast
	Adjust color
	Adjust saturation
	Weight

Step 2. Click on functional icon to adjust corresponding effect. You can increase/decrease parameter by clicking on +/- buttons in monitoring window.

3.3.12 Full Screen

In live preview, screen is rotated and enters full screen mode as in Figure 3- 25.

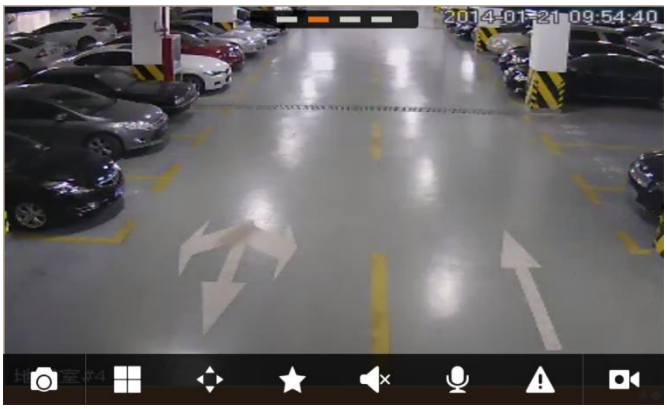

Figure 3- 25

Note:

If you cannot enter full screen mode, please check the settings of mobile phone.

3.4 Playback

System supports record playback and picture playback.
Record playback is to play record saved on device; picture playback is to play picture saved on front-end device.

Click on button to view main menu. Click on playback on main menu to enter playback interface. The default is to play record, but you can switch it to picture by clicking on tab above.

3.4.1 Record Playback

Figure 3- 26

To search record:

Step 1. Click on in window to open device list.
Step 2. Select playback period.
Step 3. Select record channel to view. System can play video of selected channel in selected window as in Figure 3- 27.

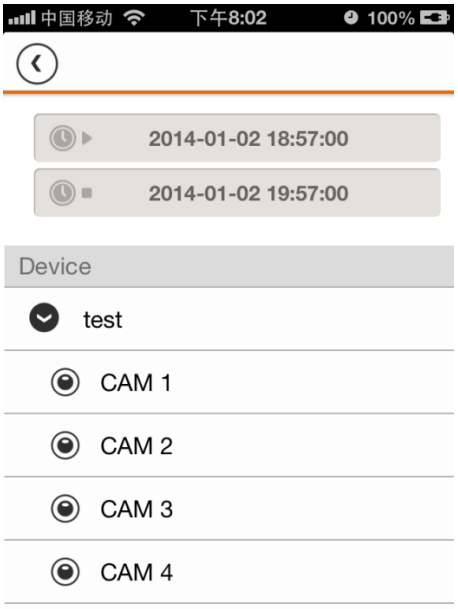

Figure 3- 27

Parameter	Note
60Min	Play tool bar control, including 5 min, 30 min, 60 min.
	Previous/Next
	Quick/Slow ● Quick: quick play with 2x or 4x speed. Select playing video, click on to 2x play; click on , to 4x play. During 4x play, click on to 2x play and click on it again back to normal speed. ● Slow: slow play with 1/2x, 1/4x speed. Select playing video, click on to 1/2 play; click on to 1/4 play. During 1/4 play, click on to 1/2 play and click on it again back to normal speed.
	Play/Pause
	Play by frame. Click on to play next frame.

You can close playback by either of:

- Close a single channel playback: long press video to close playback and drag it to the trashcan above.
- Close all channels' playback: click on to close all playback.

3.4.2 Picture Playback

To playback picture:

Step 1. Click on button to open deivce list.
Step 2. Select playback period.
Step 3. Select picture channel to view. System will play picture of selected channel in selected window.

- Click on to close playback.
- Smart mode: during picture playback, click on to enter smart mode. Window becomes 4-split. You can zoom in/out in window 2/3/4 as in Figure 3- 28.

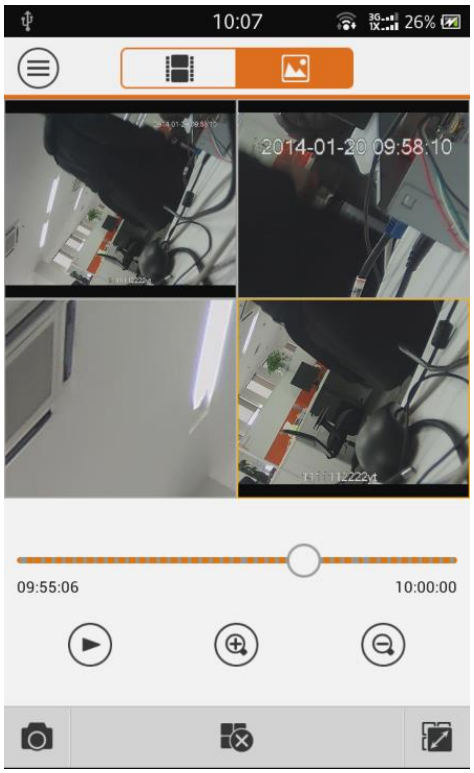

Figure 3- 28

3.5 File Manager

System supports viewing, editing, exporting of live preview and snapshot, record during playback.

3.5.1 View File

Click on record file to view. In the interface, you can play, pause, snapshot, play audio, quickly play, slowly play and etc.

3.5.2 Share File

Step 1. Click on or long press file to enter file manager mode.

Step 2. Select file to share.

Step 3. Click on to share file.

Note:

For Android only.

3.5.3 Export File

Step 1. Click on or long press local file to enter manager mode.

Step 2. Select file to export.

Step 3. Click on to export video as in Figure 3- 29.

Figure 3- 29

Note:
Android OS do not need to export picture and user can find picture under installation path.

3.6 E-Map

3.6.1 Create E-Map

Step 1. Click on to add one picture as map.

Step 2. Click on to add monitoring spot on map. Go to device list interface and select channel.

Step 3. Place added channel on appropriate location on map and click on to save. See Figure 3- 30.

Figure 3- 30

3.6.2 Edit E-Map

Select added e-map, click on button to editing mode.

- Click on to siwtch map.
- Click on to add monitoring spot.
- Click on to delete monitoring spot.

3.7 Favorites

System supports to create new favorites, or add monitoring spot to existing favorites.

Step 1. Click on and input name.

Step 2. Enter a certain favorite group, click on at upper-right corner to enter device list. Check designated channel and click on to add it into favorites.

You can delete favorites:

- Delete favorite (Android): long press favorite to delete and click on delete in pop-up box.
- Delete favorite (iOS): At row of favorite to delete, slide the delete button and click on delete button.

You can remove monitoring spot in favorites:

- Delete video channel in favorites (Android): enter favorites, long press channel to delete. Click on OK to delete it.
- Delete video channel in favorites (iOS): At row of channel to delete, slide the delete button and click on delete button.

3.8 Alarm Push

Alarm push function is the function to push alarm info generated on device to mobile phone by integrating device alarm module. User can view alarm record, preview and playback picture according to push info.

3.8.1 Push Config

Step 1. Select device to push.

Step 2. Edit valid period and select push type.

Parameter	Note
Valid period	During valid period, you can receive alarm push. Range: 1～365.
Push Type	In includes video and picture. If current device has record, and this push type is video, so when you receive push info, you can play the record. This is similar for the case of picture.

Step 3. Select alarm info, and select channel to push. Click on to save. See Figure 3- 31.

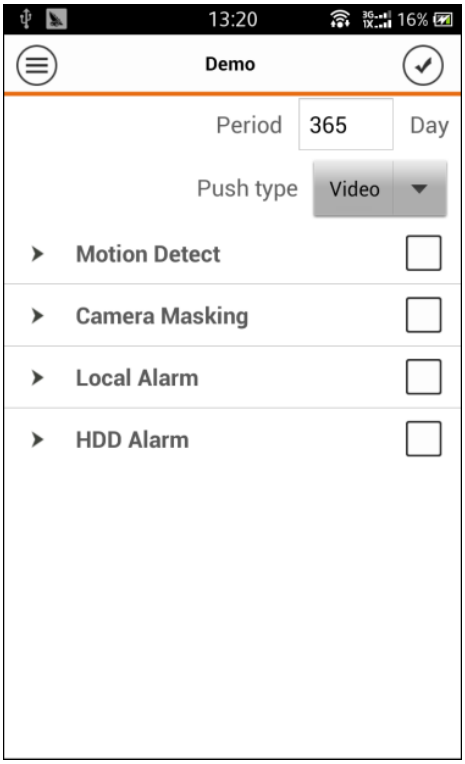

Figure 3- 31

3.8.2 Instant View of Alarm Push

After you have set push info, when front-end device generates alarm push, client-end will receive alarm info from the device. You can click on info in notice bar to view detailed info. System will open record/picture according to the priority set by you. If there is no record or picture, system will go to live preview.

In info viewing interface, click on tab above to switch to alarm record, alarm picture and live preview as in Figure 3- 32.

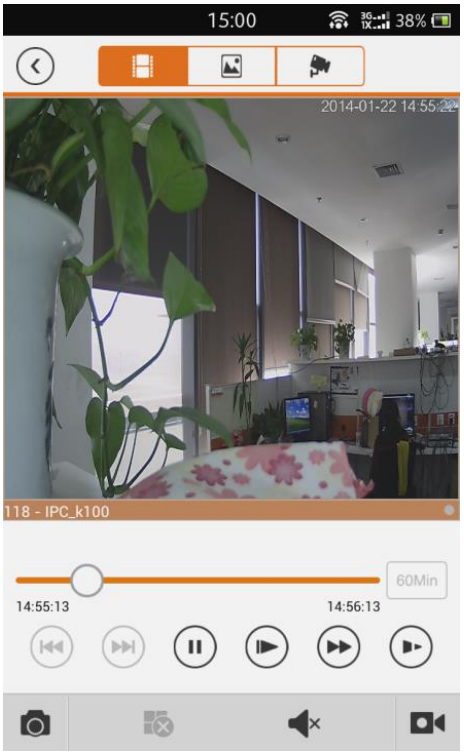

Figure 3- 32

Note:

- Android user need to login Google account.
- Video and picture push requires storage medium on front-end device and you must set alarm record.
- System supports to store up to 50 historical records in event list.

3.8.3 Alarm Push Event List

You can view historical record in event list.

3.9 Local Config

System supports local configuration including PTZ step, capture mode, push duaration, video mode and etc. See Figure 3- 33.

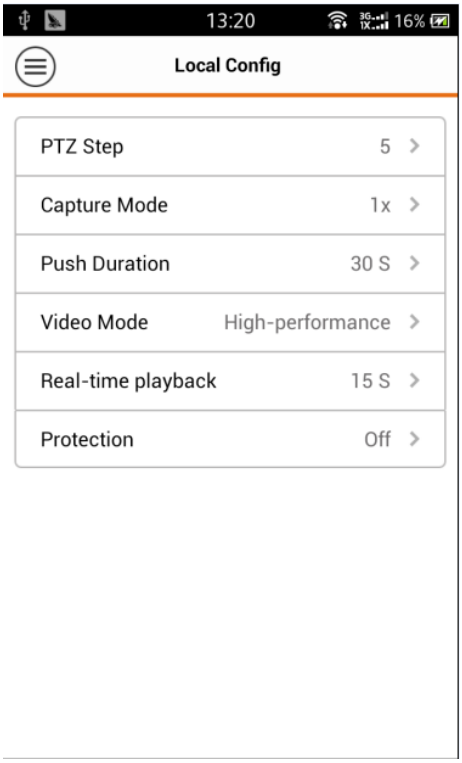

Figure 3- 33

Parameter	Note
PTZ Step	Used to set PTZ step during live preview. The larger the step length, the higher the speed will be. Range: 1～8。
Capture Mode	Configure continuous snapshot quantity in live preview interface and etc. There are three modes: 1, 3 and 5.
Push Duration	Set corresponding playback duration of push info, including: 15s, 30s, 1min, 2min, 5min.
Video Mode	Default is higher-performance mode. If you encounter window split error or system crash, please witch to compatible mode.
Real-time Playback	Set playback period, as 5s～60s adjustable.
Protection	Set password protection of mobile monitoring app. After you have set password, every time you login, you must verify password for security purpose.

Note:

- **This user's manual is for reference only. Slight difference may be found in user interface.**
- **All the designs and software here are subject to change without prior written notice.**
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