ZKiVision Client Software User Manual

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Overview

This document describes the installation, functions, user interface and operations of ZKiVision Client Software.

General Instructions

Thank you for choosing our video surveillance product. Please read this manual carefully before using this product.

All functions of the product in this manual are for reference only. The actual product may differ from what is described in this manual due to updates from time to time. We disclaim liability for any dispute rising out of the unconformity between technical parameters and descriptions in this manual. We reserve the right to make any changes or amendments without prior notice.

For more details, visit our website <u>www.zkivision.com</u> or your local service outlets.

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1 Overview

1.1 Function

ZKiVision Client Software is a piece of network video surveillance software provided by ZK Technology free of charge. It supports multiple functions such as monitoring, videotaping, and alarm linkage of multiple IP cameras over the LAN and Internet.

As the video surveillance device is complex, it is strongly recommended to read the corresponding user manual before the first use of this software and confirm the device can be visited by browser on the LAN and Internet. This document describes how to use ZKiVision client software for video surveillance.

1.2 Operating Environment

Operating system: Windows 2000/ Windows XP/ Windows 2003/ Windows Vista/ Windows 7 (32 bit). Windows XP is recommended.

CPU: Inter Pentium 4 or above, 2.6 GHz or above is recommended.

Video adapter: Resolution of 1024*768 pixels or above. Minimal memory of 256MB, ATI(AMD) video adapter with 1G memory or above is recommended.

Memory: Minimal capacity of 1GB. 2G or above is recommended.

Hard disk: Minimum free capacity of 80GB (depending on the number of devices and video configuration).

As a better computer can bring better effect of surveillance, it is recommended to use a better computer for video surveillance.

1.3 Procedure for Use of ZKiVision

Before using, proceed as follows:

Perform planning and installation of all IP cameras used for surveillance.

Change the IP addresses and ports of the IP cameras through the search software on the CD.

Access the IP camera from the browser and set the user name, password, alarm trigger mode (external alarm or motion detection), and system time for these IP cameras.

If you intend to access these IP cameras over the Internet, set dynamic domain names for them and perform port mapping on the corresponding routers.

The following takes the superuser as an example to describe the use of the software. The operation procedures vary with users of different operation authorities. Users only need to operate the items displayed on the operation interface by following the procedure below.

Run this client software.

Log in to the system as a superuser and change the default password.

Search and add devices to the system.

Modify device parameters (including device information and network parameters).

Set code stream.

Set arming (alarm linkage settings and storage management).

Preview the image.

Set users (assign authorities).

1.4 Conventions

To simplify the description in this manual, the following conventions are made:

Network video surveillance software is called software/system for short.

Click indicates left click of mouse button.

Double click indicates double left click of mouse button.

Right click indicates click with the right button of the mouse.

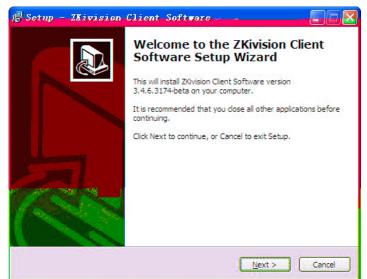
Some of the figures in this manual are for reference only.

2 Installation and Removal

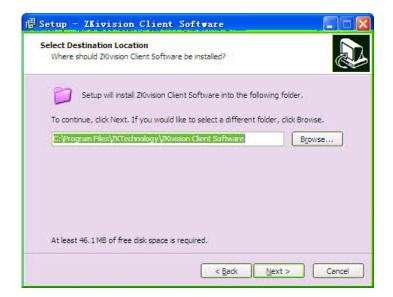
2.1 Installation

Step 1: Insert the delivery-attached CD in the CD drive. Double-click the installation package ZKiVision Client Software.exe. Choose the installation language, then click **OK** to continue.

Step 2: Click Next when the InstallShield Wizard interface pops up.



Step 3: Set the installation path. The default path is C:\Program Files\ZKTechnology\ZKiVision Client Software\. Click Next.

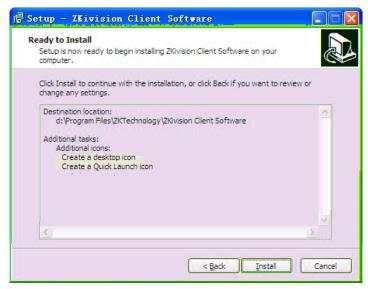


Step 4: Confirm the installation is correct and click **Next** to wait for the completion of installation. Click **Finish** to exit.

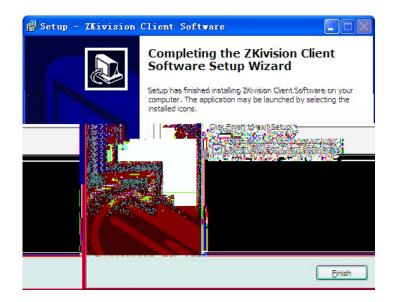
Setup	- ZKivision Client Software
	additional Tasks additional tasks should be performed?
Select	the additional tasks you would like Setup to perform while installing ZKivision
	Software, then dick Next.
	onal icons: reate a desktop icon
	reate a Quick Launch icon
	over database.
	< Back Next > Cancel

ONote: If the installation folder already exists, there will be a prompt box pops up. If you want to install to the existed folder, there will be an additional selection "Cover database". Select it to use new database, or use the original database.

Step 5: For reconfiguration, please click Back, click Install to begin the installation process.



Step 5: After installation is completed, click Finish to exit.

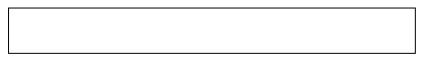


2.2 Removal

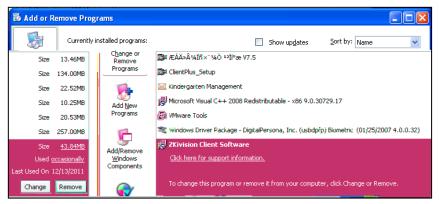
If you do not need to use anymore, you can delete it in the following two ways.

Close all the related programs before deletion.

Mode 1: Choose *Start > All programs > ZKTechnology > ZKiVision Client Software > Uninstall* to delete related documents.



Mode 2: Open the system control panel and choose ZKiVision Client Software. Click **Remove** to delete related documents.



- **ONOTES:** 1. The above two modes are not available for deleting all the documents. Deleting related documents under installation directory is necessary.
 - 2. When the software is uninstalled, the database and user's setting will be kept.

3 Quick Start Guide

By means of the following procedures, you can perform a fast setting on the client software.

- 1 Install the client software and the **Monitor client** icon is displayed on the desktop.
- 2 Double-click the **Monitor client** icon to enter the system.
- 3 Choose Settings > Device Management > Search. Click to display the Search interface.
- 4 Click **Search all device** to search all camera devices produced by our company on the LAN.
- 5 Choose camera in the search list. Change the remote device information (such as IP address and device port) on this interface.
- 6 In the search list, select one or more cameras or tick off **Select All** to select all cameras.
- 7 Click **OK** to finish adding cameras to the system.
- 8 Choose camera channel in the device list on the **Search** interface to modify the local device information (device names and user names). Partition the device.
- 9 Enter **Preview** interface. Double-click the camera channel in the device list or drag the channel into the preview cell to connect the device. Then the video can be previewed.
- 10 Choose **Video** from the shortcut menu or click to start the videotaping.
- 11 For more information of other functions such as user configuration, video playback, and alarm linkage configuration, see <u>5 Configuration</u>.

4 User Interface

The user interface of ZKiVision is easy to operate. It is divided into the following 9 working areas, which switch over in tag page: Lock user, Preview, E-map, Playback, Event Search, Setting, Access Management, Face Function and Exit.

4.1 Preview

8 ZKTER S.#. 1 0 Tr. CU 2 0 3 CH 1 5 0 ۵, 6

Open to enter the **Preview** interface by default.

The description of software interface is shown in the following table:

Area Description		Area	Description
1	1 Button bar		Control panel
2 Tab bar		5	Preview window
3	3 Device list/Group list		Event list

When the device is added to the system, it will automatically display in the device tree on the preview page. After the parameter setting is completed, you can operate video monitoring, camera preset and color conditioning on the preview page.

4.1.1 System Button Bar

lcon	Name		Function description
	Version name		
	Help button	Click	to display user manual.
	Minimize button	Click	to minimize the window to the

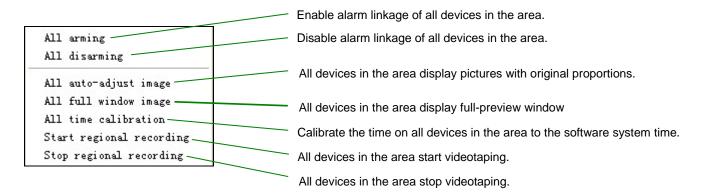
4.1.3 Device List/Group List

List	Group
E S root	0
Zone 1	
10 0.3 22732403	192.168.8.239
A CARLESS OF	Channel 01
Sec	192.168.8.238
	Channel 01-
Zone 2	
	All on guard
	All cancel guard
- 🖽 🚓 192.16	All ^s adjúst pictúres automatically
- 🕀 📻 192.16	All display pictures on the full screen
- 🕀 🚓 192.16	All time calibration Start regional videotaping
- 🕀 🚓 192.16	Stop regional videotaping
- 🕀 🚓 192.16o 🛪	0/101
192.168.8	0.29

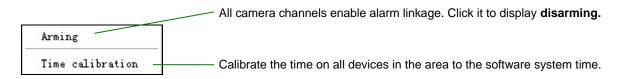
Icon	Name	Function description
	List mode	Display area, device, and channel according to the list hierarchy of user configuration.
	Group mode	Display group and channel according to the group hierarchy of user configuration.
	Area/Group	Area: Divide cameras into different areas according to their different locations to facilitate centralized monitoring against different areas for users. Group: Divide cameras into different groups according to their different monitoring types to facilitate centralized monitoring against different monitoring types for users.
	Device	IP cameras and network video recorders.
	Device guard setting	Enable alarm linkage when the device guard setting begins.
* /	Device type	Gun type/Dome camera
(Blue triangle)		The camera channel is connected.

(Red square)	There is an alarm message from the camera.
(Green square)	The camera is performing scheduled videotaping.
(Red circle)	The camera is performing alarm videotaping.

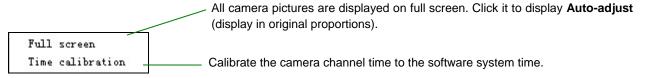
Right-click the area name to pop up the following function menu:



Right-click the device name to pop up the following function menu:



Right-click the channel to pop up the following function menu:



ONOTE: For related devices added, device name modification and partition, see <u>Search for and</u> Add a Camera to an Area.

4.1.4 Control Panel

Blacklist

Unfold the blacklist panel of face detection by clicking the "**Blacklist**" bar and the system will display in the blacklist the blacklist users that it identifies: On the left are face images that it detects and on the right are reference images at registration, as shown in the above figure.

Note: For the setting and application of face identification, see 5.24 .

Output Control

Unfold the output control panel by clicking **Output Control**, select the camera channel from which the output is to be controlled. The output actions that can be controlled will display in the panel: If this camera is not associated with the access controller, only the **Assistant Output** of the camera can be controlled; if it is associated with the access controller, both the **Assistant Output** of the camera and **Open the Door** by the access controller can be controlled. Double-click the action to be controlled and a confirmation box will display, as shown in the following figure:

ONOTE: For the association of the IP camera and the access controller, see <u>How to Set and</u> Apply the Association of the IP Camera with the Access Controller.

• PTZ control panel

lcon	Name	Function description
	Direction control	Control the rotation direction of the Pan-tilt by following the arrows (up, upper right, upper left, left, right, lower right, lower left, and down). Click to control the automatic horizontal rotation of the Pan-tilt. Cancel this operation by another click.
	Narrow aperture	Click to stop down if the camera lens has a power driven aperture control function.
	Widen the aperture	Click to widen the aperture if the camera lens has a power driven aperture control function.
	The focal distance becomes smaller.	Click to make the camera zoom in on distant pictures to implement monitoring if the camera lens has a power zoom function.
	The focal distance becomes larger.	Click to make the camera zoom in on nearby pictures to implement monitoring if the camera lens has a power zoom function.
	Focus forward	Click to make focus forward to obtain a clear picture if the camera lens has a power focus function.
	Focus backward	Click to make focus backward to obtain a vague picture if the camera lens has a power focus function.
	Pan-tilt speed	Drag the slider left to slow down the pan-tilt speed or drag the slider right to accelerate the pan-tilt speed.
	Light	Click to open the light when the external light devices are connected in a dark lighting condition. Close the light by another click.

		Click to enable the windscreen wiper when the cover is	
	Windscreen	dirty. Disable the windscreen wiper by another click.	
	wiper	It is recommended to adopt this function to avoid scrape on the lens	
		when it is rainy or the cover is wet.	

ONOTE: The above functions are available only when they are supported by camera lens and external devices.

• Preset Panel

Click **Preset** bar to display the preset panel. Click , the Pan-tilt will rotate to the preset.

ONote: For the preset settings, see <u>Configure Preset Locations and Cruise Routes</u>.

• Cruise Panel

Click **Cruise** bar to display the cruise panel. Select the required camera channel. In the cruise drop-down list, select a cruise. Click , the Pan-tilt will rotate along the cruise.

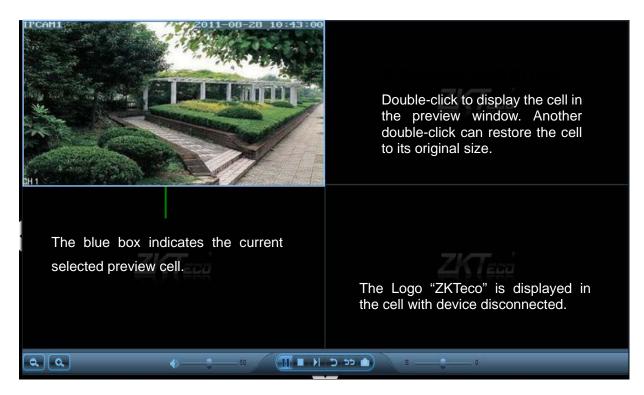
ONote: For the preset settings, see Configure Preset Locations and Cruise Routes.

• Color Adjustment Panel

lcon	Name	Function description					
	Brightness	The picture turns brighter from a left drag to a right drag (0–255).					
	Saturation	The picture turns brighter from a left drag to a right drag (0–255).					
	Contrast	 The picture contrast can be enhanced from a left drag to a right drag. HD camera: 0–6. SD video camera: 0–255. The picture color turns darker from a left drag to a right drag. This function is only applicable to the SD video camera (0–255). 1. When a monitored object is moving fast, a greater shutter value will reduce the blurring effects. 2. Applicable only to wide dynamic devices (0~255) 1. In poor lighting conditions, the camera with a higher sensitivity will be more sensitive to light. 2. Applicable only to wide dynamic devices (0~255) 					
	Chromaticity						
	Shutter						
	Sensitivity						
	Illumination	 In poor lighting conditions, better video effects will be achieved by adjusting to a greater value. Applicable only to wide dynamic devices (0~255) 					
		Click to restore the brightness, saturation, contrast, shutter, and sensitivity to the default value 80, 50, 0, 1, 17 respectively for WDR HD device. Click to restore the picture brightness, saturation, and contrast to the default value 80, 50, and 0 respectively for HD device. Click to restore the picture brightness, saturation, contrast, and chromaticity to the default value 120, 150, 140, and 255 respectively for SD device.					

4.1.5 Preview Window

In the device list, double-click channel 01 or drag the channel 01 into the cell when a device is need to be connected.



Right-click the cell to pop up the following function menu:

Full screen display of the **Preview** window.

- Automatically adjust the picture to its original size.

Opening the door is the output action of the access controller associated with this IP device.

Full screen Auto-adjust Access Conrtoller 1:Open Door Enable face function Fetch Register Faces Snapshot Record Disconnection

After choosing the **Enable face function**, **Disable face function** will be automatically displayed.

After ticking this option, face will be collected and displayed on the face event panel only when its template quality is higher than template quality threshold. When registering users online, enable this option because quality of faces collected this way will be higher.

Snapshoot the current picture.

Videotape the current picture.

Disconnect the device. Click the camera channel or drag the channel to the picture to reconnect the device and display pictures.

lcon	Name	Function description				
	Electronic magnification	Click to magnify the selected area by dragging the mouse in the preview window.				
/	Sound on/off	Click to open the audio and click to close the audio after a channel or a picture is selected.				

		After a channel or a picture is selected, click to start videotaping					
/	Videotape/ Videotaping	on the current channel. Click in the lower right corner of the					
	Snapshot	Click Snapshot to automatically snapshoot the current picture. The default storage path is C:\Picture after a channel or a picture is selected.					
/	Enable intercom/Disa ble intercom	Clickto enable the intercom. Clickto close it.The sound of only one camera channel can be turned on sometimes.Turn off the sound of the last camera before turning on the sound of the next camera.					
	Choose a picture	You can select split screen preview mode. ZKiVision supports one full screen, and 4, 6, 8, 9 and 16 split screens. The default mode is 4 split screens.					
	Full screen	Click to display the picture in full screen. Exit by another click. When the picture is displayed in full screen, move the cursor to the lowest part of the screen will display the toolbar.					
	Last group	Clickto jump to the last page when the window channels aremore than the screen split numbers in the list mode.Clickto jump to the last group of windows in the group mode.					
	Next group	Clickto jump to the next page when the window channels aremore than the screen split numbers in the list mode.Clickto jump to the next group of windows in the group mode.					
	Group polling	Click to start group polling display against the user configuration in the group mode. Exit by another click.					
],	Expand/Fold	Click to fold the preview window. Click to expand the preview window.					

For example: There are 3 groups (group 1-[1], group 2-[6], and group 3-[16]) in the current configuration. The cycling time is set to 5s. Select 6-split-cell display. 16 camera channels are connected in total.

List mode: The first page of preview window displays CH1–CH6 cells. Click to switch to the second page on which displays CH7–CH12 cells.

Group mode: Click to display one full screen, to display 6-spit-cell picture after 5s, and to display 16-split-cell after another 5s. The 6-split-cell display will jump to the 16-split-screen display when you click .

 Intelligent Code Stream Selection to Implement Optimized Play (Automatic Handover Between Standard Definition and High Definition)

ZKiVision Client Software automatically determines the optimal number of channels according to the hardware configuration of your computer. Moreover, it adopts the dual-stream mode and can select the code stream intelligently according to the number of spilt images to achieve the best image quality.

When the preview window adopts one full screen mode and the main stream is adopted in both viewing and background video playing, capture the main stream picture.

When the preview window adopts split-cell mode, the secondary stream is adopted in viewing, and the main stream is adopted in background video playing, capture the main stream picture.

For example: The current picture adopts 16-split-cell display mode. The system automatically adopts the secondary stream play during viewing. If you want to view one of the cells on the screen, double-click the cell to implement full screen preview display, then the system will automatically switch to play main stream.

Advantages: Electric energy and CPU resources are saved during video watching. A user can watch more IP devices with one PC. Videotaping and image capture on background are still in high-definition effect.

- **EXAMPLE 1.** If you need to set the video storage disk, choose **Settings** > **Local settings** > **Storage management**.
 - If you need to modify the format or storage location of the capturing pictures, choose Settings > Local settings > System settings.
 - 3. Dividing cameras into different groups is a prerequisite to group switching, see <u>Group</u> <u>Cameras</u> for details.
 - If you need to modify the group polling time, choose Settings > Local settings > System settings.

4.1.6 Event Panel

4.1.6.1 System Event

	Source	Time	Event	
1	3 Floor:2048-C1	2012-08-10 14:36:42	Motion detection alarm	
V.	3 Fleor:2048-C1	2012-08-10 14:38:28	Motion detection alarm	
1	3 Floor:2048-C1	2012-08-10 14:36:28	Connection succeeded.	
	3 Floor:2048-C1	2012-08-10 13:55:18	Disconnection	

Event information are color coded:

- Red Alarm event
- Blue General event
- Black Already browsed information
- Source The names of cameras that the message comes from
- Time The time at which events occur
- **Event** Brief description of event type

lcon	Description
	Connection succeeded/failed
	Motion alarm occurred/stopped
	Rotation started/ended

4.1.6.2 Face Event



The system can display detected faces on the face event information panel. If the face it identifies is that of a registered user, "user name and face identification marks" will be displayed under the face image; if the face is that of an unregistered user, a question mark (?) will be displayed under the image. You can tick any or all face images and add them to the face registration list.

Click **Pause** to suspend the rolling display of the face identification results and the button automatically switches over to **Play**.

After pause, you can manually tick the detected images or tick **Select all** to select all the images displayed in the identification results.

Click this button to add the ticked images to the face registration list.

4.2 Login/Logout

On this page, you can switch over from user to user and modify user password.

User Select the user name for login system.

Password Type in the user password.

Click Login to log in to the system after selecting the user name and typing in password.

Click **Exit** to exit the **Login** interface.

Click **Modify P.W.** after selecting an existing user name to modify the password.

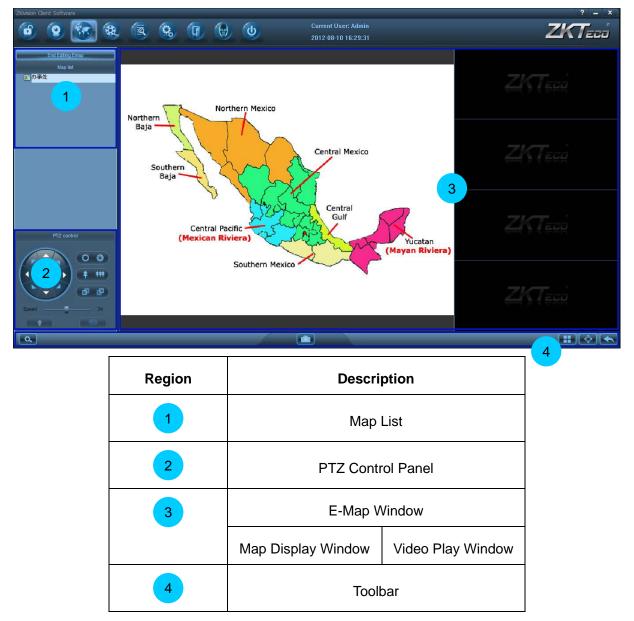
- **Old password** Type in the old password.
- **New password** Type in the new password.
- **Confirm password** Type in the new password again.

Click **OK** to submit the new password.

Click **Delete** to cancel this operation.

Example 2 Note: Superuser Admin exists in the system by default and the default password is "123456". This superuser cannot be deleted and his user level cannot be modified.

4.3 E-map



Note: Refer to <u>How to Set E-map</u> for e-map settings.

4.3.1 Map List

Access the map editing interface by clicking **Click and Edit Emap** and the button switches over to **End Editing Emap**.

Click End Editing Emap to exit emap editing and the button switches over to Click and Edit Emap.

In the initial state, when you right click on the blank of the map list after accessing the map editing interface, the **Add** map page will be displayed.

Right-click the name of map to pop up the following functional menu:



Edit Status

non-editing status

1. Add map: Click to enter the interface of adding map.

Click **Browser** to find the images in BMP in the local computer, input the map name and then click **OK** to complete the map adding.

• Note: It only supports the images in BMP.

2. Add device: Click to enter the interface of adding device.

You can mark the location of a device on the map by adding the device icon on the map.

Select the device to be linked, set the name and appearance of the device, etc., and then click to complete the adding.



When adding device succeeds, the chosen visual icon for the device will be displayed on the map. You can drag the location of the device icon by moving the mouse cursor to the device icon, pressing and holding the left button of the mouse. Exit editing. After the device is armed, the device icon will blink when there is an alarm input signal. You can double-click the device icon or drag the icon to the video play window to play the video in real time.

3. Add link: Click to enter the interface of adding link.

By adding link icon on a map, a user can conveniently and expediently enter and check the map whenever he wants to.

Select the map to be linked, set the name and appearance of the link, etc., and then click to complete the adding.



After successfully adding link, the selected icon of link appearance appears on the map. Move the cursor to the icon, and hold down the left button to move the location of link icon. After exiting the condition of editing, double-click the icon to enter the linked e-map.

4. Add I/O Signal: Click to enter the interface of adding I/O signal.

When an alarm input device is connected to the IP camera or to the access controller associated with the camera, auxiliary input will be generated and when an alarm output device or an exit switch is connected to the IP camera or to the access controller associated with the camera, auxiliary output signals will be generated. By adding input-output signal icons, you can mark on the map the locations of the devices that are connected to the IP camera or the access controller.

After selecting the devices to be connected, the signal type, setting signal name and signal appearance, click **OK** to finish the adding.

fomation					×
Device type	Device	Signal Name	Signal Type	Signal Name:	
IP camera	192.168.0.158	Assistant Output	Output Signal	74 A.	
IP camera	Outdoor	Assistant Input	Input Signal		
IP camera	Front Door				
IP camera	192.168.1.120			Signal Appearance:	
IP camera	192.168.80.163				
IP camera	192.168.0.47				کا بلک سے 🛄
IP camera	192.168.80.111				i 🔼 🔥 🧠
IP camera	192.168.80.13			EMap:	Mexico 💦 🕺 🍊 🦉
IP camera	000				
Access	Door1				👍 🐼 🛃 =
					ہے ہیں بند ہے
					(a) 🙆 💷
					2 <u>2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 </u>
				ОК	Exit

When adding signals succeeds, the chosen visual icons for the signals will be displayed on the map. You can drag the locations of the signal icons by moving the mouse cursor to the signal icons, pressing and holding the left button of the mouse. Exit editing. After the device is armed, the input signal icon will blink when an external alarm signal comes in. After confirming on site, the security guard can right click the icon to confirm the alarm. Then the icon will stop blinking. The guard also can double-click the output signal icon to control the output.

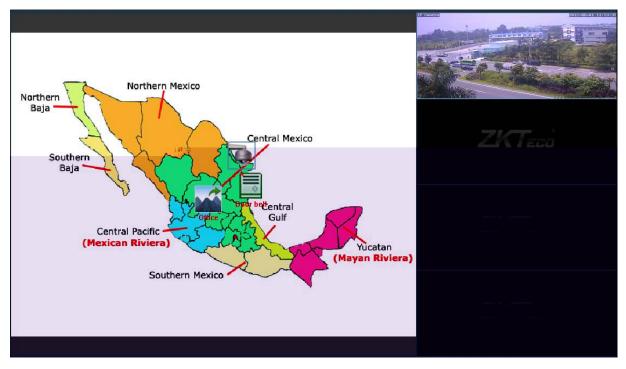
- 5. Delete all devices/links: Click to delete all device icons and map icons linked on the map.
- 6. Delete the map: Click to delete the map.

7. Attribute: Click to display the attributes of the map. The attributes cannot be edited in the no edit status.

4.3.2 PTZ Control Panel

Note: For details, see 4.1.4 <u>Control Panel</u>.

4.3.3 E-Map Window



4.3.3.1 Map Display Window

• In edit status, right-click a map to pop up a functional menu as shown in the above figure:

 Add devices
 Enter the interface of adding device

 Add links
 Enter the interface of adding link

 Add I/O signal
 Enter the interface of adding l/O signal

 Delete all devices/links
 Delete all icons linked to the map

 Attribute
 Display the attributes of the map

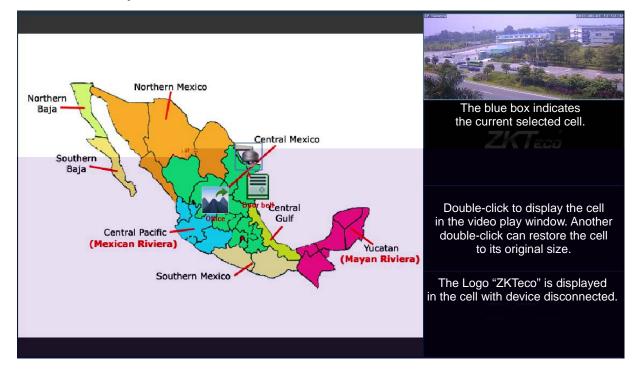
• In non-editing status, right-click the link/device icon to pop up the following functional menu:

Delete	Delete the icon
Attribute	Display the attribute of the icon

- In non-editing status, you can right click the map or the link icon to view its attribute.
- In non-editing status, when there is alarm input, the device or input signal icon will blink. When
 Confirm alarm

you right click, the function menu shown as follows will be displayed: Attribute Click to confirm the alarm and the icon will stop blinking

• In non-editing status, when you do http://www.ch.mettrilaptassofthalsidem, the function menu shown as follows will be displayed:



4.3.3.2 Video Play Window

You can double-click the device icon or drag the icon to the video play window to play the video in real time.

Right click on the play cell, the function menu shown as follows will be displayed:

✔ Auto-adjust	- Automatically adjust the image to its original size.
Snapshot —	-Capture the current image
Disconnect device ————	- Disconnect the device. Double-click the device icon or drag the icon to the cell to reconnect the device and display image.

4.3.4 Toolbar

Icon	Description	Function
	Electronic magnification	Click to magnify the selected area by dragging the mouse in the preview window.
	Snap-shot	After choosing the cell, click this button to snap-shot the scene. The default storage path is C:\Picture.
	Select cells	 You can choose a video play window to display the number of cells. The system supports one-, two- or four-cell display. By default, the video is displayed in four cells.
	Full Screen	 Click the button to have the map display in full screen, and click again to exit the full screen. During full screen, move the cursor to the bottom of the screen to show the toolbar.
	Back	Click the button and back to the previous map.

• Notes: 1. The setting of map must be performed in edit status, and the map cannot be edited in non-editing status.

2. In non-editing status, right-click the map, link, I/O signal or device to check its attributes.

4.4 Playback

4.4.1 Search video by date

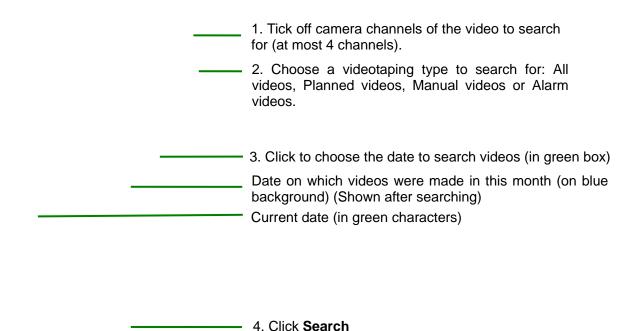


Area	Description
1	Video search panel
2	Timeline panel
3	Playback window

After setting search conditions by date on the video search panel, click **Search**, and the search result will be displayed on the timeline panel. You can play back the video by choosing the start time for playback on the timeline panel and clicking **Play** on the playback window.

ONOTE: See <u>Search and Playback Videos by Date</u> for information regarding to video search by date.

4.4.1.1 Video Search Panel



4.4.1.2 Timeline Panel

The search results are displayed on **Timeline** panel after you choose the date on which the videos were made.

ه) ه		 :	50		× 5	de	s		0
< ▶ 00:00	02:00 04	:00 06:00	08:00	10:00	12:00	14:00	16:00	18:00	20:00
CH1									
CH:									
СН									

lcon	Name	Function description					
	Zoom out	Click to scale down the timeline in Timeline panel and display the video records in a long period of time.					
	Zoom in	Click to scale up the timeline in Timeline panel and display the video records in a long period of time.					
	Leftward	Click to move the timeline leftward when the timeline ratio is displayed.					
	Rightward	Click to move the timeline rightward when the timeline ratio is displayed.					
CH0–CH3	Channel	ZKiVision supports concurrent search and video playback in four channels.					

00:00–24:00	Temporal scale	Divide the time of the day into 48 equal portions, and the minimum scale is half an hour. The time point of the current position will be displayed on the Timeline panel when you move the mouse on the timeline . Click the time point to accurately position the video.
	Manual	
	video	
_	Planned	
	video	
	Alarm	
	video	
		The starting point of video playback.

4.4.1.3 Playback Window



lcon	Name	Function description
/	Sound on / off	After the camera is connected, click to turn the sound on, and click again to turn the sound off.
	Volume	Drag the volume slider left to turn down the volume or drag the volume slide right to turn up the volume (1–100).
/	Play/Pause	After you a camera channel is selected, click to play back the video, and click again to pause the video.
	Stop	Click to stop the video during the video playback.
	Single-frame play	Click to perform a single-frame play during the video playing. Each frame image will be displayed by every single click.
	Replay	Click to replay the video in the current channel.

	All replay	Click to replay all the videos in four channels.
	Image capture	Click to capture the image and save it to hard disks.
	Play speed	Drag the speed slider left to slow down the play speed or drag the volume slide right to accelerate the play speed (1–100). Speed adjustment range includes -2 (1/4 speed), 0 (normal speed), and 2 (2 times speed). The device uses normal speed (0) by default.
],	Expand/Fold	Click to fold the Playback window, and click to expand it.

4.4.2 Video Backup

ZKivision Client Software							? – ×
6 😧 🐮 🗟	. 🧟	0	U	Current Use 2012-08-10		Z	KTeco
Date Backup ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	Backup file informa	ition			Total size(MB) 28.379	Selected file size(MB): 28.	379
	Device ham 3 Floor 192.168.80.1	58.250.50.88	Channel Channel 01 Channel 01	Start time 2012-08-10 00:00:00 2012-08-10 00:00:00	End time 2012-08-10 23:59:59 2012-08-10 23:59:59	File size(MB) 14.529 13.850	
	Back up player					Dekte selected tems	Delete all items
	Disk space informa	tion					
Start time: 00 00 00 00	Disk To E: F:	tal capacity(GB) 87.887 83.243		ace(GB) 866 277	Backup directory		
2012 Year 08 Month Sun Man Tue Vied Tha Pri Sat						Browse	
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18					Canceling	Start Pause Cancel	l.
19 20 21 22 23 24 25 26 27 28 29 30 31 11	Refresh)					
Add to backup list							

After setting search conditions by date on the video search panel, click **Add to backup list**, and the search results will be displayed on the backup file list. Click the video to be backed up on the backup file list, set the backup path, and click **Start** to back up the video.

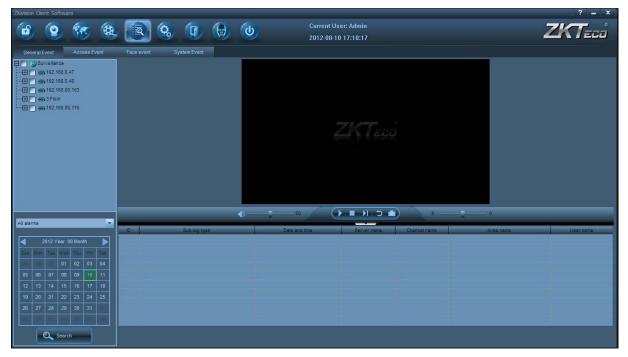
- : Click the button after selecting the camera and the search time. If there is a video from the selected camera for the set search time, the search results will be displayed in the backup list on the right.
- : Select one message in the backup list, and click the button to delete the message.

- : Click the button to delete all the messages in the backup list.
- : Tick this option to back up the media player during video backup.
- : Click the button to select the backup catalogue.
- : Click the button to start backup.
- : Click the button to pause backup.
- : Click the button to cancel backup.
- : Click once to select a disk in the disk list, and click the button to format the selected disk.
- : Click to refresh the disk information.

• Note: Refer to <u>Back Up Videos</u> for how to back up the video.

4.5 Event Query

After setting search conditions on the log search panel, click **Search** or **Query**, and the search results will be displayed on the log list. You can query or play back the associated video.

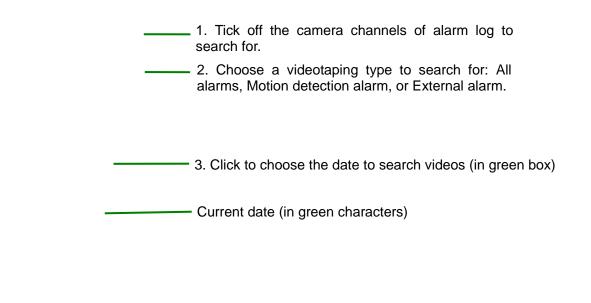


4.5.1 General Event



Area	Description
1	Log search panel
2	Log list
3	Playback window

4.5.1.1 Log Search Panel



4. Click Search.

4.5.1.2 Log List

0	Sub-log type	Date and time	Servername	Channel name	Area name	User name
	Motion detection alarm	2012-08-01 13:01:12	58.250.50.88		Surveillance	Admin
7	Motion detection alarm	2012-08-01 12:58:03	98 289,99 88	4	Sumailanna	Arimin
	Moudil defection alarm	1012010-06-01 12:04-38				
9	Motion detection alarm	2012-08-01 12:53:51	58.250.50.88	1	Surveillance	Admin
10	Motion detection alarm	2012-08-01 12:38:34	58.250.50.88	1	Surveillance	Admin
				1		Admin
	Motion detection alarm					
	Motion detection alarm				Surveillance	
14		2012-08-01 11:49:22				

Different colors indicate different types of log:

- Red -- Alarm log with associated video
- Black -- Alarm log without associated video

4.5.1.3 Playback Window

Note: For details about the icon and functions of the playback window, see <u>4.4.1.3 Playback</u> Window.

4.5.2 Access Event



Area	Description
1	Log search panel
2	Log list
3	Playback window

After ticking "Enable Alarm Filter", you can select types of alarm log to be searched for.

• Enable User Filter

After clicking **Enable User Filter**, you can search for logs by user ID.

• Enable Verification Mode Filter

After **clicking Enable Verify Mode Filter**, you can search for logs by verify mode.

4.5.2.2 Log List

• Note: The log list of access controller events is the same as that of common events. For details, see <u>4.5.1.2 Log List</u>.

4.5.2.3 Playback Window

Note: The playback window of access controller events is the same as that of common events. For details, see <u>4.4.1.3 Playback Window</u>.

4.5.3 Face Event

time: 00 00 00 00	-		Face Function	2012-0	3	
			50 (s0	
						line
		Start tme 2012-08-13-11-17-54	End time	IP camera	Alarm type	User
	D	Slart time 2012-08-13 11:17:54 2015-08-13 11:17:54				User .001 .001
	D 1 2 3	2012-08-13 11:17:54	End time 2012-08-13 11:17:54	P camera 192.168.80.173 195.168.80.173	Alarm type Black user	001
	D 1 2 3 4	2012-08-13 11:17:54 2012-08-13 11:14:53	End time 2012-08-13 11:17:54 2012-08-13 11:14:53	IP camera 192.168.80.173 1971 168.80 173 30.173	Alarm type Black user Black user	001 801
	0 1 2 3 4 5	2012-08-13 11:17:54 2012-08-13 11:14:53 2012-08-13 11:14:46	End time 2012-08-13 11:17:54 2012:08-13 11:14:53 2012-08-13 11:14:48	IP camera 192.168.80.173 195.168.30.173 30.173	Alarm type Black user Black user Black user	001 001 001
	0 1 2 3 4 5 6	2012-08-13 11:17:54 2012-08-13 11:14:53 2012-08-13 11:14:46 2012-08-13 11:14:46	End time 2012-08-13 11:17:54 2012-08-13 11:14:65 2012-08-13 11:14:46 2012-08-13 11:14:37	P camera 192.168.80.173 192.168.30.173 30.173 20.173 0.173	Alarm type Black user Black user Black user Black user	001 001 001 001
	0 1 2 3 4 5 6 7	2012-08-13 11:17:54 2012-08-13 11:14:453 2012-08-13 11:14:46 2012-08-13 11:14:37 2012-08-13 11:14:30	End Inte 2012-08-13 11:17:54 2012-08-13 11:14:897 2012-08-13 11:14:48 2012-08-13 11:14:487 2012-08-13 11:14:37	P camera 192.168.80.173 193.168.90.175 30.173 20.173 .80.173	Alarm type Black user Black user Black user Black user	001 001 001 001 001
P camera	0 1 3 4 5 6 7 7 8	2012-08-13 11:17:54 2012-08-13 11:14:46 2012-08-13 11:14:46 2012-08-13 11:14:37 2012-08-13 11:14:30 2012-08-13 11:12:49	End time 2012-08-13 11:17:54 2012-08-13 11:14:59 2012-08-13 11:14:48 2012-08-13 11:14:37 2012-08-13 11:14:30 2012-08-13 11:12:49	P camera 192 (18.80.173 197 (18.90.173 20.173 0.173 0.173 80.173 192 (16.80.173	Alarm type Black user Black user Black user Black user Black user Black user	001 001 001 001 001 001
IP camera Alarm	D 1 3 4 5 6 7 8	2012-08-13 11:17:54 2012-08-13 11:14:55 2012-08-13 11:14:46 2012-08-13 11:14:47 2012-08-13 11:14:30 2012-08-13 11:12:49 2012-08-13 11:08:30	End time 2012-08-13 11:17:54 2012-08-13 11:14:59 2012-08-13 11:14:49 2012-08-13 11:14:37 2012-08-13 11:14:30 2012-08-13 11:12:49 2012-08-13 11:108:30	P camera 192168.80.173 192168.80.173 20.173 20.173 192168.60.173 192168.60.173	Alam type Black user Black user Black user Black user Black user Black user	001 001 001 001 001 001 001
	1 2 3 4 5 6 7 8	2012-08-13 11:17:54 2010-08-13 11:14:149 2012-08-13 11:14:149 2012-08-13 11:14:137 2012-08-13 11:14:30 2012-08-13 11:14:30 2012-08-13 11:16:30 2012-08-13 11:08:30	End time 2012-08-13 11:17:54 2012-08-13 11:14:48 2012-08-13 11:14:48 2012-08-13 11:14:37 2012-08-13 11:14:30 2012-08-13 11:14:30 2012-08-13 11:16:30 2012-08-13 11:08:30 2012-08-13 11:08:30	P cenera 192,168,60,173 1921,68,60,173 2,173 2,173 2,173 2,173 192,168,80,173 192,168,80,173 192,168,80,173	Alam bos Back user Black user Black user Black user Black user Black user Black user Black user	001 601 001 001 001 001 001 001

Area	Description
1	Log search panel
2	Log list
3	Playback window

4.5.3.1 Log Search Panel

To search for face event logs, you can set several filtering conditions, such as time, IP camera, door controller, alarm pattern, user ID and verification mode.

• Note: The combination of various filtering conditions will filter the search results. If none of the filtering conditions is enabled, then all the current day's logs of all the devices will be searched for by default.

• Enable Time Filter

After ticking **Enable time filter**, you can set the start time and end time for log searching.

• Enable Camera Filter

After clicking **Enable camera filter**, you can select the IP cameras of which the logs are to be searched for.

• Enable Alarm Filter

After ticking "Enable alarm filter", you can select types of alarm log to be searched for.

• Enable User Filter

After clicking **Enable user filter**, you can search for logs by user ID.

4.5.3.2 Log List

ONOTE: The log list of face events is the same as that of common events. For details, see <u>4.5.1.2 Log List</u>.

4.5.3.3 Playback window

ONOTE: The playback window of face events is the same as that of common events. For details, see <u>4.4.1.3 Playback Window</u>.

4.5.4 System Event

D Log byz Operation time	Contents Contents Motion detection alarm Motion detection alarm Motion detection alarm Motion detection alarm Motion detection alarm Motion detection alarm	End date 2012-08-10 Source Paddress 58 250 50.88 Paddress 152 158 80 116 Paddress 192 158 80 116 Paddress 192 158 80 116	23 : 59 : 59 Sub-log type Motion detection alarm Motion detection alarm Motion detection alarm	Query Operation user man Admin Admin Admin
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	Motion detection alarm Motion detection alarm Motion detection alarm Motion detection alarm Motion detection alarm	P address:58.250.50.88 P address:192.168.80.116 P address:192.168.80.116 P address:192.168.80.116	Motion detection alarm Motion detection alarm Motion detection alarm	Admin Admin
⊞ær 192.168.0.48 2 Alarm log 2012-08-10 17:12:32 ⊞ær 192.168.80.163 3 Alarm log 2012-08-10 17:12:24 ⊞ær 37.50or 4 Alarm log 2012-08-10 17:12:24 ⊞ær 192.168.80.116 5 Alarm log 2012-08-10 17:12:02 ⊞ær 192.168.80.116 6 Alarm log 2012-08-10 17:11:17 Alarm log 2012-08-10 17:11:12	Motion detection alarm Motion detection alarm Motion detection alarm Motion detection alarm	IP address:192.168.80.116 IP address:192.168.80.116 IP address:192.168.80.116 IP address:192.168.80.116	Motion detection alarm Motion detection alarm	Admin
- ⊕ =m 192.168.80.163 3 Alarm log 2012.08-10 17.12.24 - ⊕ =m 3 7 foor 4 Alarm log 2012.08-10 17.12.02 - ⊕ =m 192.168.80.116 5 Alarm log 2012.08-10 17.11.202 - ⊕ =m 192.168.80.116 6 Alarm log 2012.08-10 17.11.42 - ● - ● Alarm log 2012.08-10 17.11.42 - ● - ● Alarm log 2012.08-10 17.11.42	Motion detection alarm Motion detection alarm Motion detection alarm	IP address:192.168.80.116 IP address:192.168.80.116	Motion detection alarm	
Harry 5 Picer 4 Alarm log 2012-88-10 17.112.02 Harry 192, 198, 90, 118 5 Alarm log 2012-88-10 17.1157 C Alarm log 2012-88-10 17.1157 Alarm log 2012-88-10 17.1157 Alarm log 2012-88-10 17.1152 Alarm log 2012-88-10 17.1152 Alarm log 2012-88-10 17.1152	Motion detection alarm Motion detection alarm	P address: 192.168.80.116		Admin
Here 5 Alarm log 2012-08-10 17:11:57 6 Alarm log 2012-08-10 17:11:42 7 Alarm log 2012-08-10 17:11:39	Motion detection alarm		Hotion detection alarm	
6 Alarmiog 2012-08-10 17:11:42 7 Alarmiog 2012-08-10 17:11:39			houon detection diarm	Admin
2 7 Alarm log 2012-08-10 17:11:39	Motion detection alarm	IP address:192.168.80.116	Motion detection alarm	Admin
		IP address:58.250.50.88	Motion detection alarm	Admin
	Motion detection alarm	IP address:192.168.80.116	Motion detection alarm	Admin
	Motion detection alarm	IP address:58.250.50.88	Motion detection alarm	Admin
9 Alarm log 2012-08-10 17:11:27	Motion detection alarm	IP address:58.250.50.88	Motion detection alarm	Admin
10 Alarm log 2012-08-10 17:11:18	Motion detection alarm	IP address:58.250.50.88	Motion detection alarm	Admin
11 Alarm log 2012-08-10 17:10:51	Motion detection alarm	IP address:58.250.50.88	Motion detection alarm	Admin
12 Alarm log 2012-08-10 17:10:38	Motion detection alarm	IP address:58.250.50.88	Motion detection alarm	Admin
13 Alarm log 2012-08-10 17:10:25	Motion detection alarm	3 P address 192 168 80 116	Motion detection alarm	Admin
14 Alarm log 2012-08-10 17:10:11	Motion detection alarm	IP address: 192.168.80.116	Motion detection alarm	Admin
15 Alarm log 2012-08-10 17:10:06	Motion detection alarm	IP address: 192.168.80.116	Motion detection alarm	Admin
16 Alarm log 2012-08-10 17:09:50	Motion detection alarm	IP address: 192.168.80.116	Motion detection alarm	Admin
17 Alarm log 2012-08-10 17:09:47	Motion detection alarm	IP address:58.250.50.88	Motion detection alarm	Admin
18 Alarm log 2012-08-10 17:09:43	Motion detection alarm	IP address: 192.168.60.116	Motion detection alarm	Admin

Area	Description
1	Log query panel
2	Device list/User list
3	Log list

Query mode

Query all logs

Query all logs of all devices.

Query based on device Query based on user

Query based on device Select a device from the device list to query its logs.

r Select a user with operation logs from the user list.

Query logs based on a specified type of data.

Log type

	Log Type	Description	Sublog Type
			Network preview
			Voice intercom
		Decend all encodies	Guard
All logs:	Operation log	Record all operation information of a user.	PTZ control
Record all information of the		mormation of a user.	Remote setting
			Time calibration
system.			Others
			Disk full alarm
		Record the alarm	Video loss alarm
	Alarm log	information of a device.	Motion detection alarm
			Hard disk read/write

Start date	System log Indicates the start ti	Record information such as user login, logout and related information. me of a log search.	error alarm Standard mismatch alarm External alarm Others Login Logout Local settings Others			
End date	Indicates the end time of a log search.					
Query	Select a camera channel from the device list, or a user from the user list.					
	Then set query cor	nditions on the Log query	panel and click the Query			
	button. Eligible res	ults are displayed in the lo	og list.			
Previous page	View the query results on the previous page.					
Next page	View the query resu	Its on the next page.				
Total log number	Indicates the numb	per of all log query results.				

4.6 Settings

ZKivision Client Software					
6 😧 😵 😣	۵ 💽 🖲	90	Current User: Admin 2012-08-13 11:51:07		ZKTED
O Device management	Setting -> Device management -> Searc	n I			
Search	Surveillance 	Modify areas			
Group management	192, 168, 80, 163	Area Name:			
A&V parameter setting	- 🕀 🥽 192.168.80.116 - 🕀 📷 192.168.0.212	Area name:			
Motion detection setting	- 🕀 📾 192.168.80.173		Modify Delete		
PTZ parameter setting					
Device information view Network parameter setting					
O Local setting					
System setting					
Storage management					
User management					Q Search
C Linkage alarm	Device info				
Alarm setting					
Access Management	Device Name: 192.168.80.173	User name: admin	Password: ***** S	elect areas: Surveillance 💌	
	IP address - 192 168 80 173	Port. 80	Device type: Bullet Came 🖛	Channel 1	
					Add Modify Delete Test

The **Settings** menu contains 12 submenus and allows settings of multiple devices (for example, the IP cameras).

• Common operations and icon functions in the Settings menu

Camera selection: Select a channel in the device list by clicking the channel name. **Camera connection**: Connect a camera by double-clicking the channel name in the device list.

lcon	Function description
	Add devices/areas/groups/camera presets/cruise paths/users.
	Save modified parameters or switch to modification state.
	Delete existing devices/areas/groups/camera presets/cruise paths/users.
	Synchronize the modified parameters with the remote device.
	Restore the parameters to their values in the last saving.
	Restore parameters to their default values
	Test whether the device can be connected properly

Save the modified information to local database
Cancel modification
Copy the setting to other devices

4.6.1 Search

C Device management	Setting -> Device management -> Set	arch			
Search Group management	Surveillance U I I I I I I I I I I I I I I I I I I I	Modify areas Area Name: Survellance			
© Remote setting	- 192.168.1.120				
ursauur <mark>u</mark>					<mark>al our "</mark> a taraar <mark>a</mark> a
			n Mühniänusuiisuusus []		
			มรู้แกระสารก		
				n <mark>aawaann</mark> a	
				nnn	
nn <mark>i in an an</mark>	u n ^aulla				
and a state of the	-				
	Tent I	hana II <mark>1</mark> 11100 - C AS E I			

• Area Information

Area name	The name of the upper level area of the currently chosen area.
Area name	Areas that can be set.

• (Local) Device Information

Device name	Device names displayed in the software. After the Device name is set,
	the device list displays only the device name rather than the device IP
	address.
User name	The user name that used to visit the front-end device. The device cannot
	be successfully connected unless you enter a correct user name.
Password	The password that is used to access front-end device, and the device

Port	The device's communication port. The device cannot be successfully
	connected unless the device communication port is consistent with that
	in the remote device.
Device type	Bullet type camera or dome camera.
Channel	Currently only one camera channel is available.

ONote: 1. There are at most 128 areas can be added.

2. After device search is completed, the camera cannot videotape or capture images unless it is added to an area. An unpartitioned device cannot be used.

• Device Search

Click Search to display the search interface:

Device management	Setting	-> Device man	agement -> Search					
Search		ID III	Por domain name	Sub. mask	Gateway	MAC address	Port	Firmware version
Group management		1	192.168.0.158	255.255.255.0	192.168.0.1	00:01:89:11:11:58	80	V3.3.6.2.1-20120728
Group management		2	192.168.0.47	255.255.255.0	192.168.0.1	00:01:89:11:11:91	80	V3.3.2.2.20120728
Remote setting		3	192.168.0.48	255.255.255.0	192.168.0.1	00:17:61:D0:09:F2	80	V3.3.7.2.1-20120728
		4	192.168.0.56	255.255.255.0	192.168.0.1	00:01:89:11:11:49	80	V3.3.7.2.1-20120528
A&V parameter setting		5	192.168.80.163	255.255.255.0	192.168.80.254	00:17:61:DF:40:CB	80	V3.3.2.2.20120507
Motion detection setting								
PTZ parameter setting								
Device information view								
Network parameter setting								
Local setting								
System setting					-			
Storage management	Search	new devices	Search all devic	es 📄 📃 Select a	4			
User management								ок
Linkage alarm	Device							
Alarm setting								
Access Management	N	Version;	2.2.2-20120728	IP address. Device port: 6	192 168 0 80	47 Gat	eway: 192 1	188 0 1
								Modify Cancel Save

Search all devices over the LAN.

Search new devices over the LAN.

Select all devices in the search list.

• (Remote) Device Information

Firmware version The firmware version of the device.

The default IP address is 192.168.1.88. It can be modified as needed.
The default gateway is 192.168.1.1. It needs to be reset if the device
and the PC are not in the same network segment.

Subnet mask The default subnet mask is 192.168.1.88. It can be modified as needed.

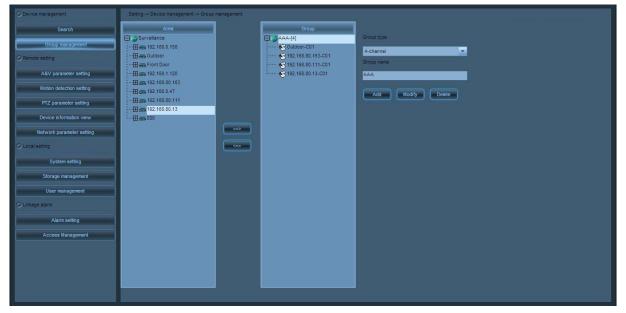
Device port	The device port number is 80 by default. To modify it, please contact the
	network administrators or network professionals. The camera will be
	restarted after the port is successfully modified.

Administrator password To modify the IP address, gateway, subnet mask or port, a correct administrator password must be entered.

Click to go back to the upper interface.

ONOTE: For information regarding to device remote parameters (IP address and port) modification, see 5.4 Modify Network Parameters of a Camera.





Group type Choose group type (according to picture quantities), including single picture, 4-picture, 6-picture, 8-picture, 9-picture or 16-picture.

Group name

In the device list, select the device to be grouped. In the group list, click the group that will be added to. Click to add the device to this group.

In the group list, select the device that will be deleted, and then click to delete the device from this group.

Note: 1. The device only can be operated after partition.

2. There are at most 20 groups can be added.

Set group names.

O Device management	Setting -> Remote setting -> A&V para	ameter setting			
Search	Surveillance	IP Camera	2012-08-01 16:11:04	Video parameters setting	
Group management	Outdoor	Man a further	AND A DESCRIPTION OF THE OWNER	Mainstream	n Sub-stream
Remote setting	- 🕀 🛲 Front Door			Resolution 720P	
A&V parameter setting		Cole California		Bit rate 4096	32-6144kbps
Motion detection setting				Frame rate: 25	
PTZ parameter setting			and a state of the	Main frame interval 50	(2-150)
Device information view		Star F.F.		Encoding Control VBR	*
Network parameter setting					 (Smaller value better
O Local setting			and the second	Encoding Quality: 1	quality)
		RESPUECT			
System setting		Audio settings	Color adjustment	Scene setting	OSD setting
Storage management			• 5	mage up/down	Mage name overlap
User management		Mainstream Sub-stream	· · · · · · · · · · · · · · · · ·	inage aproprint	iv mage name overlap
C Linkage alarm		Acquistion audio: Open		image left/right	image time overlap
Alarm setting					OSD name: IP Camera
Access Management		Audio format, G726	a 🔮 🐂 👘 👘		
			_ 17 17		
		Audio input: Microphone input	i i		
			۰ 🖓 و و		
			Default		
					Apply Reset Default

4.6.3 Audio and Video Parameter Settings

Double-click a camera channel in the device tree, and set the audio and video parameters after connection.

• Video Parameter Settings

Resolution Resolution is a standard to measure the image definition (unit: pixels). The higher the value is, the clearer the image is.

The main stream definition of HD cameras is 720P (1280*720 pixels), and the secondary stream definition is QVGA (320*420 pixels). For the main stream definition of HD cameras, you can choose one from D1, CIF, and QCIF. For the secondary stream definition of HD cameras, you can choose one from CIF and QCIF. D1 image resolution: 704*576 pixels, CIF image resolution: 352*288 pixels, and QCIF image resolution: 176*144 pixels.

- Bit rate Indicates the transmission of data traffic per second. Generally bit rate is the multiple of 128 Kbit/s. The higher the bit rate is, the clearer the definition is. You can set an appropriate bit rate based on the network condition.
- Frame rate indicates the number of pictures displayed on the screen per second. Frame rate can be set, and the higher the frame rate is, the better the video effect is. Generally, a frame rate that exceeds 24 frames per second is called all realtime images.
- Main frame intervalAn image would be used as the main image in video compression. The
rest images will be compared with this one and only the different
images will be saved. When videotaping scenes with fast moving

objects, shorten the frame interval to avoid blurred streaks or motion blur. When videotaping scenes with slow moving objects, lengthen the frame interval to reduce the data volume and improve the compression ratio.

- Video coding control You can select Fixed stream for a scenario in which surveillance activities are gentle, and the video encoder shall encode as the stream velocity set in the stream settings. You can select Variable bit rate for a scenario in which surveillance activities are intense, and the video encoder can operate at a variable bit rate without losing image quality. Encode based on the set stream velocity, but the encoding will not follow this velocity completely. Video encoding quality You can choose any video encoding quality from 1 to 6. The smaller the value is, the better the image quality is, and the greater the stream control is.
- Audio Parameter Settings

Audio acquisitionEnable indicates that transmitting audio signals is available. Disableindicates that transmitting audio signals is unavailable.

Audio format You can choose G711, G726 or AMR as the audio format.

	Code rate	Sound quality	Application condition
G711	Larger	Higher	The network is in good condition
G726	Medium	Intermediate	The network is in intermediate condition
AMR	Smaller	Bad	The network is in bad condition

Audio input mode When a microphone is functioned as the external audio acquisition device, choose Microphone input to use an external amplification device to amplify the audio signal because the microphone has a low output power. When the recording volume and the output power of the audio acquisition device are high, choose Linear input to get a better recording effect.

• Color Adjustment

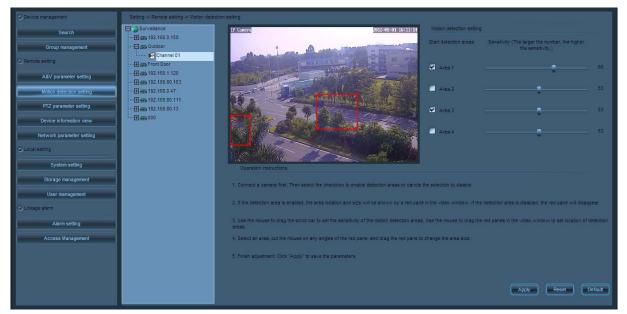
See the Color Adjustment panel in <u>4.1.4 Control panel</u> for details.

• Scene Settings

Image up/down rotation Select it to rotate the image up and down. This is only for HD cameras.Image left/right rotation Select it to rotate the image right and left. This is only for HD cameras.

• OSD Settings

Name Overlap	Select it to overlap the camera name to the upper left corner of the video.
Time Overlap	Select it to overlap the camera time to the upper right corner of the video.
OSD name	The camera name, with a maximum number of characters of 17 that can
	be entered



4.6.4 Motion Detection settings

To monitor a specific area and ensure the alarm can be automatically activated when abnormal motion occurs, you can select and activate motion detection. Double-click the camera channel in the device tree and set the motion detection of the camera after connection. The camera supports 4-motion-detection-area setting. Tick off the option box on the right side of the interface to activate the corresponding options.

Detection area Tick off the option box on the right side of the interface to activate the corresponding options. The 4-motion-detection-area setting is supported on the camera.

After an area is activated, the area box and the area number will be displayed on the screen. Move the mouse into the area box. Left-click the mouse to drag the area box into any place on the image. You can also move the mouse to the lower right corner of the area box. Left-click the mouse to adjust its size.

Sensitivity The sensitivity ranges from 0 to 100. The larger the number is, the higher the sensitivity is.

4.6.5 PTZ Parameter Settings

O Device management	Setting -> Remote setting -> PTZ parame	eter setting
Search	Surveillance	17 Carerol 2012-08-01 16:31:20
Group management	Outdoor	(Range:0.255)
• Remote setting	Channel 01	
A&V parameter setting	- 🕀 🚌 192.168.1.120 - 🕀 🚌 192.168.80.163	Baud rate 9600 🗸
Motion detection setting	- 🕀 🚓 192.168.0.47 - 🕀 🚓 192.168.80.111	Data bit 8
PTZ parameter setting	- 🕀 🚓 192.168.80.13	
Device information view	-⊞, 000	
Network parameter setting		Check bit None 🗸
O Local setting		Speed 34
System setting		Patrol path:
Storage management		D Name Time: Speed
User management		
G Linkage alarm		
Alarm setting		
Access Management		
		Preset name: Patrol path name:
		Add Modify Delete Test Add Modify Delete Test
		Save

Double-click the camera channel in the device tree, and set the PTZ parameter after connection.

• PTZ Control

See the **PTZ control** panel in <u>4.1.4 Control panel</u> for details.

• Pan-tilt Settings

Address code	It is used to distinguish various pan-tilts. The address code of the pan-tilt
	can be modified by using pan-tilt internal code. Please set the address
	code to match it with the pan-tilt address code.
Protocol	You can choose PELCO-D or PELCO-P as the communication protocol
	of pan-tilt motor control. This protocol must be consistent with the
	pan-tilt internal control protocol.
Baud rate	For the transmission frequency of RS-485 signal, the higher the baud
	rate is, the faster the transmission speed is, and the error rate rises
	accordingly. The baud rate must be consistent with that of the internal
	pan-tilt.
Data bits, stop bits, and	calibration The transmission parameters of RS-485 protocol must be
	consistent with that of the internal pan-tilt.
_	

- **ONOTE:** 1. Due to different production standards of manufactures, when the incomplete match of the address codes occurs, try to add 1 or minus 1 to implement complete match.
 - 2. For pan-tilt related parameters, see Pan-tilt User Manual.

• Preset and Cruise

When the motion pan-tilt arrives at the place you focused on. Click and choose the preset number in the preset list. Set the preset name and click **Add** to add the preset.

After adding two or more presets to the camera channel, you can configure a cruise based on the presets.

After setting the cruise, click **Add** to add a cruise. Click and select a **Preset** in the preset list, Select the cruise that will be added to from the drop-down list, Click to add this preset to the selected cruise. Click and choose the unnecessary preset. Click to delete it from the cruise.

4.6.6 Device Information View

O Device management	Setting -> Remote setting -> Device info	nation view		
Search	🖵 🌍 Surveillance	Device info		
Group management	Outdoor			
O Remote setting	Channel 01	Device type: C1F0S8Z3		
A&V parameter setting		Network connection type Wired con		
Motion detection setting	- 🕀 📻 192.168.0.47 - 🕀 📻 192.168.80.111	Software version V3.3.7.2.1 MAC address 00:17:61:0		
PTZ parameter setting	- 🕀 🚓 192.168.80.13	P address: 58.250.50.		
Device information view	⊞, 000	Sub. mask 255.255.2	55.0	
Network parameter setting		Gateway 58.250.50	1	l l l l l l l l l l l l l l l l l l l
O Local setting		Primary DNS 210.21.96	6	
System setting		Secondary DNS: 221.5.88.8		1
Storage management		Camera startup time 2012-7-24	9:4:29	
User management				
C Linkage alarm		Restart the camera	Restore fai	ctory defaults
Alarm setting				
Access Management				

Double-click the camera in the device list. Check the configuration information of important parameters of the camera in the right side of the interface.

Click to restart the camera.

Click to restore the camera parameters to its factory defaults.

4.6.7 Network Parameter Settings

G Device management	Setting -> Remote setting -> Network pa	ameter setting
Search	📮 🌍 Surveillance	Network parameter setting
Group management	Channel 01	
G Remote setting	- E - Front Door	Pladdress 58 250 50 88
A&V parameter setting	- 🕀 🚓 192.168.1.120	Sub. mask: 255 255 0
	- 🕀 🚗 192.168.80.163	Gateway 58 250 50 1
Motion detection setting		
PTZ parameter setting		
Device information view		Primary DNS 210 21 96 6
		Secondary DNS: 221 5 88 88
Network parameter setting		HTTP.port 2048 (80.or 1024-49151)
O Local setting		
System setting		
Storage management		
User management		
S Linkage alarm		
Alarm setting		
Access Management		
		Apply Reset Default

Double-click the camera channel in the device tree and set the network parameter of the camera after connection.

IP address	The default IP address is 192.168.1.88. It can be modified as needed.										
Subnet mask	The default subnet mask is 192.168.1.88. It can be modified as needed.										
Gateway	The default gateway is 192.168.1.1. It needs to be reset if the device and										
	the PC are not in the same network segment.										
DNS acquisition mode	Domain Name Server (DNS) can translate the domain name into an IP										
	address. In Manually set the DNS mode, you need to enter the										
	primary and secondary DNS addresses manually. When select										
	"Automatically obtain the DNS", the DNS address will be obtained										
	automatically when the camera is connected with the LAN.										
Primary DNS	The primary DNS is 192.168.1.88 by default. It can be modified as needed.										
Secondary DNS	The system will connect the secondary DNS when the connection failure										
	or error of the primary DNS occurs.										
HTTP port	The device port number is 80 by default. To modify it, contact the network										
	administrators or network professionals. The camera will restart after										
	the port is successfully modified.										

4.6.8 System Settings

C Device management	Setting -> Local setting -> System	setting
Search	Time setting	
Group management	Group switch time(5-60s):	20
© Remote setting		
A&V parameter setting	Log saving time:	Half a month
Motion detection setting	Date format:	YYYY-MM-DD
PTZ parameter setting	Time format:	24-hour mode
Device information view	Auto-calibration time	
Network parameter setting	Time point:	00:00:00
© Local setting	Snapshot setting	
System setting	 JPEG format 	BUP format
Storage management		
User management	Image save path:	CriPicture
C Linkage alarm	Alert Setting	
Alarm setting	Disconnect Alert	🗸 Ful HDD Alert
Access Management		
	Failure Alert	d/Program Files/2KTechnology/2Ki//aion Clent Software
	Linkage Alert	d1Program Files/ZKTechnology/ZKIVision Client Software
		Save Reset Defaut

• Time Settings

Group switch time	The time interval of group switching. The group switch time is 20s by
	default. It can be set from 5s to 60s.
Log storage time	The logs can be saved for a week, half a month, or a month. The default
	storage time is a week.
Date format	It includes year-month-day, month-day-month, or day-month-year. The
	default format is year-month-day.
Time format	It includes 12 hours or 24 hours. The default format is 24 hours.
Auto-calibration time	Select it to calibrate the time of all connected devices during the given
	time, that is, synchronize the time of all devices with the PC.
Auto-calibration time	Calibrate the time automatically.
• Capture Settings	
Image format	The formats of system captured pictures include JPEG and BMP. The
	default format is JPEG.
Image storage path	The default storage path of the captured pictures is C:\Picture.

4.6.9 Storage Management

O Device management	Setting> Local setting -> Storage mana	agement																									
Search	Gradience Time wanagement Time wanagement																										
Group management	- 🖓 🏎 Outdoor 🔽 Use planned videos.																										
O Remote setting	Channel 01			0		2	3	4 5	c	7	0	0	10	1	1 1	2 1	2 1		15	10	17	10	10	20	21	22	22
A&V parameter setting	- 192.168.1.120 		Sun.	U		6	3	4 9	0	ť	0	3	10	, ,		2 1	5 1	14	15	10	17	10	13	20	21	22	23
Motion detection setting			Mon.																								
PTZ parameter setting	- 192.168.80.111	Т	ues.																								
Device information view	L- 🖽 🖚 000		Yed.																								
Network parameter setting			'hur. Fri.																								
O Local setting			sat.																								
System setting																							_	_	-		
Storage management		Copy	to all car	neras			~																cot	y)		Save	
User management						GB)	Free sp			_	_	_	_	_	_	_			e patr		_	_	_	_	_	_	
G Linkage alarm			C: D:		19.069 17.887			699 072											Recor Recor								
Alarm setting			E: F:		87.887 3.243			929 384											Recor Recor								
Access Management			P:	6	53.243		45	.384									2 FOU	necia	Kecor	rav							
			Alarm la	st 5.	(5-60 a					Alar	n pren	ecord	5	(1-15)	a				1		Video c		war.				
			duratio	1:								time															
																									C	Save	

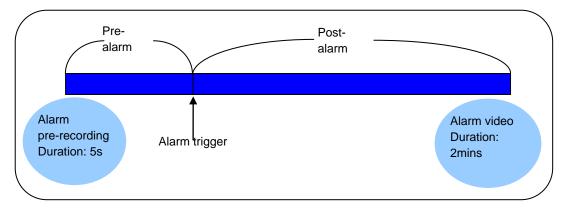
Double-click the camera channel in the device tree and set the planned videos of the camera after connection.

Sunday–Saturday	Indicates a week (unit: day).											
0–23	Indicates one day (unit: half an hour).											
Activate scheduled vide	otaping Tick off the Use planned videos to select the camera channel											
	in the schedule. Left-click the mouse and drag the mouse up to make a											
	green box (as shown in the preceding figure). The scope of the green											
	box indicates the time range during which the schedule videotaping is											
	activated. After the time range is set, click Save.											
Deactivate scheduled	ideotaping Clear the use planned videos option and click Save, or											
	eliminate green boxes in the schedule and click Save . The green box											
	can be eliminated just by left-clicking and dragging the mouse up on											
	the screen box. Copy scheduled videotaping If the videotaping time											
	of A camera is identical with that of B camera, set A camera by											
	selecting B camera channel from the drop-down list											
	. Click and to save											
	your setting. To set a same videotaping time for all cameras, you only											
	need to set one of them and select Copy to all cameras. Then click											
	and to save your setting. The schedule videotaping											
	function is activated on all cameras.											

- Video storage path
 After ZKiVision is installed, it will automatically detect the computer disk and displays the test results in the list. The default storage path is D:\MediaRecord\. When the space of the first selected disk is less than 5G, the second selected disk will begin to videotape.

 Alarm duration
 The duration of the elerm videotaping is 5e by default it can be set from
- Alarm durationThe duration of the alarm videotaping is 5s by default. It can be set from
5s to 60s.

Alarm pre-recording duration The pre-recording duration of the alarm videotaping is 5s by default. It can be set from 1s to 15s.



Videotaping circulation coverage If you select it, the system will automatically overwrite the earliest videotaping when all the configured videotaping disk spaces are less than 5G. If you clear it, the **Disk cleanup** interface will pop out when all the configured videotaping disk spaces are less than 5G. As long as one of the configured videotaping disk spaces is more than 5G, the scheduled videotaping will restart.

4.6.10 User Management

C Device management	Setting -> Local setting -> I	Jser management			
Search	User list				Authority
Group management	ip in	User name	User grade	User status	- 🕀 🗖 🤌 Door1 🗖
© Remote setting	1	User	Common user Super user	Allow	Open Door
A&V parameter setting					Record
Motion detection setting					Snapshot Scommunication
PTZ parameter setting					Paylock
Device information view					☐ _ 2 Setting
Network parameter setting					🔲 🔑 Group management
O Local setting			Add		Image: Second
System setting					Display setting
Storage management	Add/Modify				Device information
User management	User	name.			🔲 🔌 System setting
G Linkage alarm	New pas	sword			🔲 🔑 User management
Alarm setting	Confirm pass	sword			Alarm setting
Access Management		grade. Common user			E-map
		- manual			Click and edit map
			Save Reset		

• User list

ID	User list number. The serial number of the newest user in the system is 1.
User name	The user name used to log in to the system.
User level	Users with different operating authorities.

User level	Default permission
Superuser	Possesses all permissions and can perform any settings
Customize user	Select the permission in the permission list on the right side.
Common upor	Only such functions as preview, PTZ control, capture, and
Common user	intercom can be operated.

User status

Allow indicates that the user can log in to the system. Prohibit indicates that the user cannot log in to the system.

Click **Add** to add new users. For superusers, they can add superusers, customize users or common users. For custom users with "user management" permission, they can add common users.

Choose a user and click **Modify** to modify the user information.

Choose a user and click **Delete** to delete the user information.

ONOTE: 1. Superuser Admin exists in the system by default and the default password is "123456". This superuser cannot be deleted and his user level cannot be modified.

2. Up to 10 users can m1DC q 0 841.75(er a6Dow 0.537 0lus)-5(897on.)-4()]TJ 0 Tc/LBody.949 0

User name	User name cannot be modified.
Current password	Enter the current password.
New password	Enter the new password.
Confirm password	Enter the new password again.
User grade:	Modify the user level.
Permission	Select or delete the actionable items in the permission list on the right side.
	Save the modified information.
	Restore the data to its last saved value.
	Temporarily prohibit the user from logging in to the system. After this button
	is clicked, it will switch to automatically. Take effect after
	modification saving.

ONOTE: 1. On this interface, only the current user can modify the password and they cannot delete their accounts.

- 2. Only the founder of the users can modify their user grades.
- 3. Any system login passwords of existing users can be modified on the Login/Logout interface. Alarm Settings

Search	G Surveillance	Input Signal List					Linka	ge Action Lis					P	Camera	VO Setti	19	
Group management	- 🕀 🖚 Outdoor	Source		Name		State		Dest	nation		Actic	on.		inable in	nput Alar	m.	
emote setting	Channel 01	58.250.50.88		Assistant		NO		58.25			Assistant		in and	Signal 1			
	192.168.1.120	58.250.50.88		Motion Det		NO			.50.88		Video R						
A&V parameter setting	192.168.80.163	Door1		Assistant		NC			.50.88		Popup W		Ass	stant Ing	put		
Motion detection setting		Door1		Tamper A				58.25			Aler		Oute	ut Signa	I Name:		
motion detection dotting		Door1		Threatened				Do	or1		Open [Door					
PTZ parameter setting	- (F)	Door1		Anti-pass									Ass	stant Ou	utput		
		Door1		Door Bu													
Device information view		Door1		Door Not o													
Network parameter setting		Door1		Door Clo													
		Door1	Dool	r Open Uni													
al setting		Door1		Check													
System setting		Door1 Door1		Check Press Fi													
System setting		Doort		Press FI	nger												
Storage management																	
		Input Signal State:	NO			-								V E	nable in:		
User management																	
kage alarm			0 1	2	3 4	5 6	7 8	9 10	11	12 13	14 1	5 16	17 18	19	20	21 2	22 23
		Sun.															
Alarm setting		Mon.															
Access Management		Tues.															
		Wed.															
		Thur.															
		Fri.															
		Sat.															

Double-click the camera channel on the device tree. When the connection is successful, set the alarm linkage items.

Enable input **alarm** Ticking this option will enable alarm input signals of the camera.

Input signal name You can enter the specific name of the auxiliary input signal. The modification will be effective immediately.

- **Output signal name** You can enter the specific name of the auxiliary output signal. The modification will be effective immediately.
- Input signal list List of input signals that generate alarms: auxiliary input, motion detection, auxiliary input, alarm upon tearing down the device, intimidation alarm, anti-passback alarm, closing the door after you go out, leaving the door open, the door being closed, the door being opened unecpectedly, checking on work attendance, checking departure from work and fingerprint.
- Linkage action list Alarm linkage action list: auxiliary output, video recording, window

output action of the access controller, opening the door, will be generated on the output signal list. For the setting of the association of the camera with the access controller, see 5.23How to Set and Apply the Association of the IP Camera with the Access controller.

2. The alarm linkage of all signals will work only after the device (the camera) is armed. If the device is disarmed, it cannot produce alarm linkage.

3. If new alarm messages are generated during the alarm period, the alarm period will be extended accordingly.

4.6.12 Access Management

C Device management	Setting -> Linkage alarm -> Ac	cess Management			
Search	Gurveillance	Access List	Acc	ess Signal List	
Group management	· · · · · · · · · · · · · · · · · · ·			ry, [[mu'iya]	ï
ที่มีเกมระบบสีสถายได้ก				ແມ່ ແມ່ນທີ່ເພື່ອການ ແມ່ນ ເປັນເຫຼົາ ເປັນເຫຼົ	
	alle ane and a second			และมี พอป้นและไละใด มากการสิงคม	
				sa manana ang kasa sa	ļ
				<u>. </u>	
	n				" ×"
Millimatiusu					
iiimuuuuumiite 🛛					
allowing the					
W. W		« ^{III}			u m
		näuliä. Loomaa viita viita viita viita			w.
			: "Mai II"	s	
		a wana M <mark>ua</mark> uwa Wa nasa I	o and lla	<mark>, 1000 ().</mark> S 2000 ().	
				R SECON Hour's	

Double-click the camera channel on the device tree. After the connection is successful, you can associate the camera with the access controller. After associating the device with the access controller, you can set input signal alarm linkage for the associated access controller on the alarm linkage setting page.

Access Name	You can set names for access controllers.
IP address	Manually type the IP address of the access controller.
Port	Manually fill in the communication port between the access controller
	and the camera.
Access list	Access controllers added to the system will be displayed on this list.
Access signal list	After you click an access controller on the access controller list,
	signals of this access controller will be displayed on this list.

Signal nameAfter clicking a certain signal on the access controller signal list, you
can set signal name.

Associate the camera with the access controller Double-click the camera channel on the device tree. After the connection is successful, click to select access controllers (you can select more than one) to be associated with. Click the **Save** button on the lower right corner to save the setting.

ONOTES: 1. You have to add access controllers to the system manually.

2. The port you fill in here must be consistent with the actual port of the access controller. The default port is 4370 and generally needs no change. If the actual port of the access controller is not the default 4370, please contact your access controller supplier for the actual port number.

3. For associating the IP camera with the access controller, see <u>How to Set and Apply</u> the Association of the IP Camera with the Access Controller.

4.7 Access Management

Click to quickly access interface "Access Management".

Note: For details, see <u>Access Management</u>.

4.8 Face Function



On this page, you can register face users and set face identification parameters.

• Description of the icon functions in the Face Function working area

lcon	Function Description
	Add face user
	Save modified information
	Delete the ticked users
	Restore parameters to the default values.
	Save modified parameters
	Cancel the modification

ONotes:

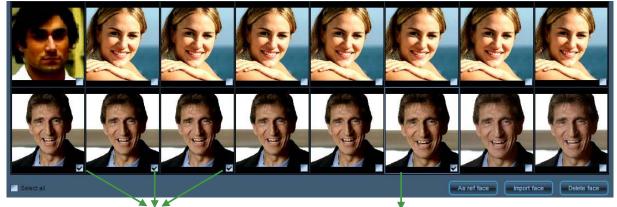
- 1. Face identification function is available for a maximum of one video device.
- 2. For the configuration and application of face identification function, see 5.24 <u>How to Set</u> <u>and Apply Face Function</u>.



4.8.1 Face Registration

• Face Template List

After right clicking **Enabling Face Identification** on the preview page, you can add the detected faces to this list, or you can manually import face pictures to this list. The system will extract a face template from the ticked picture on the template list and use it as the face template for the currently registered user.



Currently ticked face images The blue cell indicates currently chosen position or face image

You can manually import local face pictures. The picture must be in the JPG format and its size must be the multiple of 16, for example, 320*480. There can only be one face in the picture and the face should be as regular as possible.

Delete currently ticked pictures.

Tick all the pictures on the list.

If you click this button, the currently chosen face picture (in blue cell) will be used as the reference picture for the currently registered user.

User ID	It is the ID of a user; the IDs that have already been added to the system cannot be changed; the unregistered IDs can be added to the system.
User name	It is the name of a user, which can be changed according to actual circumstances.
User gender	Female or male.
User native place	It is the native place of a user, which can be changed according to actual
	circumstances.
ID type	ID card, passport, driving license or other certificates.
Certificate number	The certificate number can be changed according to actual circumstances.
Blacklist user	Ticking this option, you can set this user as a blacklist user.
	After setting face registration information, click this button to register the
	user.
	Click to access the registered user list.

• Face Registration Information

Click to select one user on the registered user list, click **Confirm** and this user's face registration information will be displayed on the face registration page. Now you can modify this user's information. Click **Modify** to save the modification.

Face Regeter Face Function =:// User II/r. User Bit Kan name Gender Usde American D Type Centrate D: Bit Via Face Recognition Setting 102 Lee Bit Kin Green Fernale France D Card 100 102 Lee Bit Kin Green Fernale France France 0 Card 100 102 Lee Bit Kin Green Fernale France 0 Card 100 100 102 Lee Bit Kin Green Fernale France 0 Card 100 100 102 Lee Bit Kin Green Lee Bit Kin

4.8.2 User Management

Display blacklist users only	If you click this option, only blacklist users will be displayed on the
	user list.
User ID	It is the ID of the user; the IDs that have already been added to the
	system cannot be changed; the unregistered IDs can be added to
	the system.
User name	It is the name of a user, which can be changed according to actual
	circumstances.
User gender	Female or male.
User native place	It is the native place of a user, which can be changed according to
	actual circumstances.
ID type	ID card, passport, driving license or other certificates.
Certificate number	The certificate number can be changed according to actual
	circumstances.
Blacklist user	Ticking this option, you can set this user as a blacklist user.

4.8.3 Parameter Setting

Face Register	Face Function -> Face Recognition Setting
User management	Face Recognice Setting
Face Recognition Setting	Recognize Score Threshold ⁷⁵ . (1 ~ 200)
	Face Detecting Threshold: 30 (10 - 200)
	Template Guality Threshold: ⁵⁰ (1 ~ 200)
	Save Defaut Cancel

Threshold value for face identification marks It is the similarity threshold value of a detected object compared with the user face template in the database. A smaller threshold value makes it easier for the system to identify a face; however, misjudgment is apt to occur. A greater value ensures a more accurate identification of a face, but it is possible that the system cannot identify the face. So a moderate value is

recommended.

Face detection quality threshold value It is the similarity threshold between the detected object and the face. A smaller threshold value makes identification more sensitive, but it is likely for the system to identify a similar face as the exact face. A greater value makes it possible for the system to miss detecting faces. So a moderate value is recommended.

Template quality threshold value It is the threshold value for face features. A greater threshold value ensures a clearer contour of a detected face.

4.9 Logout



Only superusers and the custom users with a system shutdown authority can exit the client software.

5 Configuration

5.1 Search for and Add a Camera to an Area

Set	-> Device	management -> Search	1					
E	Unpartitio	ned camera						
100	192.1		Modify areas					
	🥵 C	hannel 1 9	Area Name: Zone	4				
	root		erea name. zone	÷.	7			
	- SZone		7000	2	′ /			
	- 🕀 🌍 S		Area name: Zone	2				
		Front door						
	- ₽ 3		Add	Modify D	elete			
	<u>۽</u>		Aug	mouny	CICIC			
	Zone		8					
		245						
	3							
	4	545						
	51							
	6	Sec.						
	7							
	81	243						
		1.9						
								2 Search
Dev	rice info							
						10		
	Nat	me: 192.168.1.110	User: admin	Pass	sword:	Are	root	
	IP addre	- 192 168 1 11	0 Port: 80	Device	e type: Bullet Camera	- Channel	1	
		• • •			Select Se		······································	
							Add	Modify Delete Test
Set	-> Device	management -> Search						
-	_	-						
	D	IP or domain name	Sub. mask	Gateway	MAC address	Port	F.Wve	
	1	192.168.1.110	255.255.255.0	192.168.1.254	00:01:89:11:11:05	80	V3.3.2.2.1-20	A STATE OF ST
	2	192.168.8.238	255.255.255.0	192.168.8.254	00:17:61:DF:42:38	80	V3.3.2.2.1-201	
	3	192.168.8.239	255.255.255.0	192.168.8.254	00:17:61:DF:42:39	80	V3.3.6.2.1-20	
	4	192.168.8.241 192.168.80.161	255.255.255.0 255.255.255.0	192.168.8.254 192.168.80.254	00:17:61:DF:42:3B 00:17:61:DF:40:92	80 80	V3.3.2.2.1-20 V3.3.1.1-CZ201	
	6	192.168.80.176	255.255.255.0	192.168.80.1	00:17:61:DF:40:84	80	V3.3.1.1-CZ201 V3.3.1.1-CZ201	
	7	192.168.80.21	255.255.255.0	192.168.80.254	00:00:89:11:12:01	80	V3.3.1.1-02201	
Ē	8	192.168.80.29	255.255.255.0	192.168.80.254	00:17:61:DF:40:76	80	V3.3.1.1-CZ201	
Ē	9	192.168.80.94	255.255.255.0	192.168.80.254	00:17:61:DF:40:36	80	V3.3.1.1-CZ201	
H	10	192.168.80.99	255.255.255.0	192.168.80.254	00:17:61:DF:40:31	80	V3.3.1.1-CZ201	
4								
			- 04					
Se	arch new	device Search all d	levice 📃 🔲 All choos					
		3		4				
								5 ок

- 1 Choose Set > Device management > Search.
- 2 Click to display the **Search** interface.
- 3 Click or to search for the desired devices.
- 4 In the search list, select one or more cameras or tick off **All choose** to select all cameras.

- 5 Click to finish camera search.
- 6 Click a parent area in the device list.
- 7 Set the area name.
- 8 Click to put this area under the parent area.
- 9 Click an unpartitioned camera channel in the device list.
- 10 Set the area under monitoring of this camera in the **Device info** pane.
- 11 Click to add this camera to the area.

ONote: 1. Up to 128 areas can be added.

2. After device search is completed, the camera cannot videotape or capture images unless it is added to an area. Unpartitioned devices cannot be used.

5.2 Manually Add a Device to the System

Set -> Device management -> Search	
☐ ③ root ↓- ⊟ ③Zone 1	Modify areas
Section A	Area Name: Zone 2
Section B	Area name: Zone 2
=================================	Add Modify Delete
	Message X Connection succeeded.
	Q Search
Device info	
Name ^{8F}	User admin Password area Zone 2
IP addre 192 168 80 94	Port: ⁸⁰ Device type: Bullet Camera 💌 Channet: 1.
	Add Modify Delete Test

- 1 Choose Set > Device Management > Search.
- 2 Click a parent area in the device list.
- 3 Manually fill in information about the to-be-added device in the **Device info** pane.

4 Click to check whether connection succeeds.

5

- After confirming the connection succeeds, click to add the camera to the system.
- Note: If a device has no fixed IP address on a public network, you can gain access to this device by using a domain name provided by the domain name supplier. In this case, you must manually add this device to the system. For details of domain name registration and device configuration, see <u>5.20 Apply for and Use a Domain Name for Device Access</u>.

5.3 Modify Local Device Information

Setting -> Device management -> Ser		
Unpartitioned camera	Modify areas	
⊟ 🌍 ZK ∰ 📷 192.168.80.103	Ares Name.	
	Area name.	
	Add Modify Delete	
	Search	ו
Device info.:	3	
Device Name: Entrance	User <mark>admin Password: ***** Area:</mark> ZK	
IP address 🔻 192 168 80 191	Port ⁸⁰ Device type: Dome Came Channel: 1	
	Add Modify Delete Test)

- 1 Choose Settings > Device management > Search.
- 2 Click a camera channel in the device list.
- 3 Modify the device information in the **Device info** pane.
- 4 Click or to save modification.
- ONote: 1. After a device name is set, the device list displays only the name instead of the IP address of the device.

 This section describes the procedure for modifying related local device information. For details of modifying remote device parameters (such as IP addresses and port numbers), see <u>Modify Network Parameters of a Camera</u>.

5.4 Group Cameras

Area Group Group type Group type Group type Single picture Front door 3 Group type Single picture Group name
Section B Section B Section A Section A

- 1 Choose Set > Device management > Group management.
- 2 Set the group type and group name and click to add a new group.
- 3 Click a camera channel in the device list.
- 4 Click a group in the group list.
- 5 Click to add the selected camera channel to this group.

ONOTE: Up to 20 groups can be added.

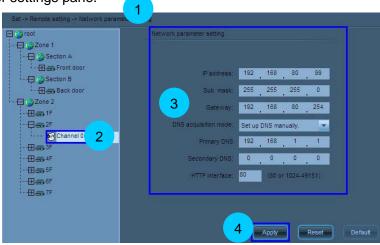
		/							
Ð	IP or domain name	Sub. mask	Gateway	MAC address	Port		F.W.ver		
1	192.168.1.110	255.255.255.0	192.168.1.254	00:01:89:11:11:05	80		V3.3.2.2.1-2011092		
2	192.168.80.94	255.255.255.0	192.168.80.254	00:17:61:DF:40:36	80	_ 2	V3.3.1.1-CZ2011052	20	
								-	
	evice Search all devic	xe All choo	50						ок
earch new d				3				C	ок
vice info	evice Search all devic	P address 192			y: 192 168	. 80 . 254		C	ОК
evice info .W. ver.: V3	3.1.1-CZ201105220				-	. 80 . 254	3 Modify	Cancel	OK 4

5.5 Modify Network Parameters of a Camera

- 1 Choose Set > Device management > Search.
- 2 Select a camera from the search result list.
- 3 Click and then modify the remote device information of this camera.
- 4 Enter a correct admin password and click to save your settings.

ONOTE: You can also modify network parameters of a camera in the following two methods.

Method 1: Choose Set > Remote settings > Network parameter settings and perform setting in the Network parameter settings pane.

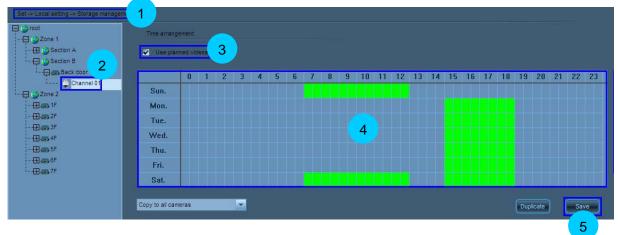


- 1 Choose Set > Remote settings > Network parameter settings.
- 2 Double-click a camera channel in the device list.
- 3 Modify the network parameters of the camera, including the IP address, DNS acquisition mode, and DNS addresses.
- 4 Click to apply your settings.

Method 2: Access a camera through browser and choose **Network settings** > **Network settings** to modify network parameters of the camera in the **Network settings** pane. For details, see Network Settings in the User Manual--Using Browser for Video Surveillance in the delivery-attached CD.

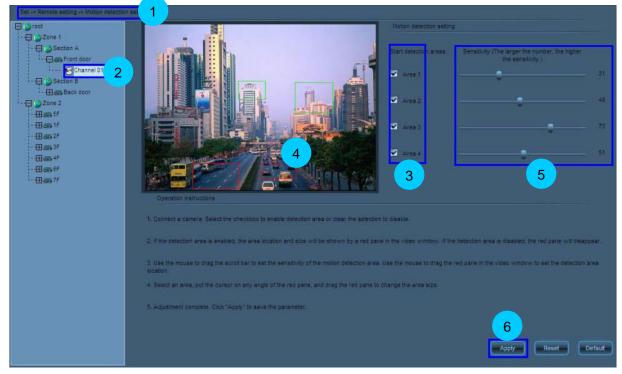
Preview	NetWork Settings						
Device	TCP/IP Settings						
	Remark:HTTP and RTSP port can not be modifie	ied. If you modify, save only the RTSP port data.					
Alarm	IP Acquisition Mode:	: Manual Setting 💌					
	IP Address:	: 58.250.50.88 Please only enter numbers and decimal point!					
NetWork Settings	Subnet Mask:	: 255.255.255.0 Please only enter numbers and decimal point!					
NetWork Settings	Gateway:	: 58.250.50.1 Please only enter numbers and decimal point!					
WIFI Settings	Acquisition Mode:	: Manual Setting					
Domain Name Settings	Primary DNS:	: 210.21.96.6 Please only enter numbers and decimal point!					
Advanced Settings	Secondary DNS:	: 221.5.88.88 Please only enter numbers and decimal point!					
	HTTP Port:	2048 Please only enter numbers! E.g.: 80 or 1024-49151					
System	RTSP Port:	: 554 Please only enter numbers! E.g.: 554 or 1024-4915					
	Permission Calibration:	: ⊙ ON ○ OFF Remark:The settings will take effect after restart the device!					
	<i>1</i> /2	Confirm Cancel					

5.6 Set Scheduled/ Planned Videotaping



- 1 Choose Set > Local settings > Storage management.
- 2 Click a camera channel in the device list.
- 3 Tick off the **Use planned videos** option.

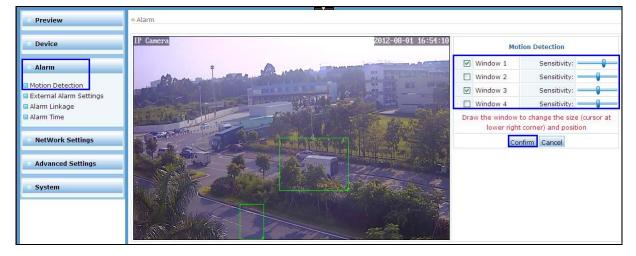
- 4 Press and hold the left mouse button and move the mouse to a desired direction to set a time segment for scheduled videotaping (0–23 indicates one day; unit: half an hour). To cancel the setting, move the mouse to an opposite direction.
- 5 Click to save your settings.
- 6 Deactivate scheduled videotaping: Clear the **Use planned videos** option and click **Save**, or clear green boxes in the schedule and click **Save**.
- **ONOTE:** To set the same videotaping time for all devices, you only need to set one of them and select **Copy to all cameras**. Then click and to save your settings. The schedule videotaping function is activated on all devices.



5.7 Set Motion Detection

- 1 Choose Set > Remote settings > Motion detection settings.
- 2 Double-click a camera channel in the device list.
- 3 Select one or more areas for motion detection.
- 4 Set the locations and sizes of these areas.
- 5 Set the detection sensitivity of these areas.
- 6 Click to apply your settings.

• Note: You can also access a camera through BROWSER and choose Alarm > Motion Detection to set motion detection parameters. For details, see Motion Detection in the User Manual--Using Browser for Video Surveillance in the delivery-attached CD.



5.8 Enable Arming

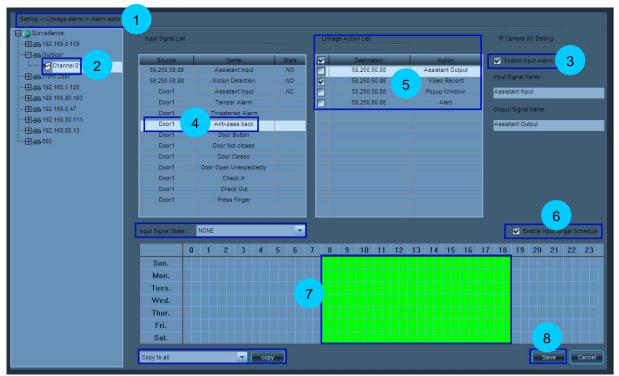
The alarm linkage of all signals will work only after the device (the camera) is armed. If the device is disarmed, it cannot produce alarm linkage.

Enter Preview interface, right click on the area name in the device list, and choose **All Arming** in the fuction menu to enable all alarm linkage of all devices in this area. Right click on the device name in the device list, and choose **Arming** in the fuction menu to enable all alarm linkage of all channels in this device.

L		Group	1
E 😳 S -	-11		
T	All armi:	ng	
	All disa	rming	
			-
	All auto	-adjust image	
	All full	window image	
	All time	calibration	
in the	Start re	gional recording	
	Stop reg	ional recording	

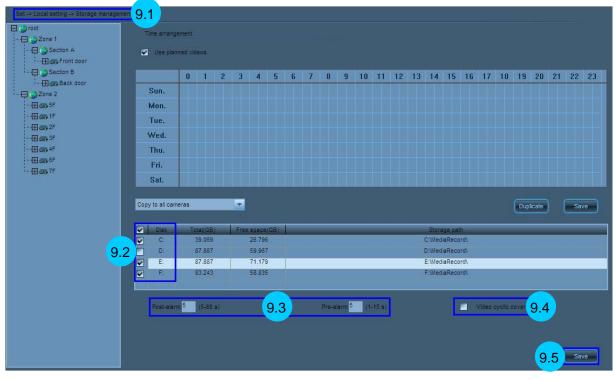
List	Group
🕀 🌍 Survei	llance
⊞⇒15	Arming
	Time calibration

5.9 Set Alarm Linkage



- 1 Access the Setup --> Alarm Linkage --> Alarm Setup page.
- 2 Double-click on the device list the camera channel for which alarm linkage is to be set. When the connection is successful, the input-output signals of the associated alarm will be displayed on the list.
- 3 Click **Enable alarm input** to start using alarm input signals.
- 4 Click to select alarm input signals on the input signal list.
- 5 Tick linkage actions on the linkage action list. You can select more than one.
- 6 Tick **Enable input signal setting** to start setting the time for input signal alarm linkage.
- 7 Press the left mouse button and drag the cursor to set the time period for input signal alarm linkage (0 ~ 23 indicates a day, with half an hour as the unit). If you want to cancel it, you can drag the cursor again.
- 8 Click **Save** to save the setting.
- 9 Set the storage location and time length for the alarm linkage video.
 - 9.1 Access the Settings --> Local Settings --> Storage Management interface to set alarm linkage video.

- 9.2 Tick the storage location for the video (After the installation, the software will automatically detect the hard disks of the computer and display them on the list).
- 9.3 Set alarm video: the lasting time of the alarm and the time for pre-recording an alarm.
- 9.4 If you tick **Video Cyclic Cover**, then when all the space of the disk is occupied, the earlier 5G video file will be deleted. If you cancel the tick, then when the disk is full, the video recording will stop.
- 9.5 Click **Save** to save the setting.
- 10 You can select other camera channels and click **Copy** to copy the alarm linkage setting to other cameras.



ONote: After arming, an alarm will trigger the alarm linkage options.

Pop up video window :



Linkage video alarm:

ZKivision Client Software		? – ×
ی 😵 💽 🕲	. 🖲 😣 🗊 🖯 😈	۲ – × Current User: Admin 2012-08-13 10:13:47
Let Group Group Surveillance HD_6 192 168.0.45 HD_6 192 168.0.45 HD_6 192 168.0.163 HD_6 192 168.0.113 HD_6 192 168.0.116 HD_6 192 168.0.112 HD_6 192 168.0.173 HD_6 192 168.0.173	TOP CH 1	
Black Lat Output Control PTZ control Proset	ZKTEER	
Patrol path Color adjustment	×	
0	System Event Face event Source Tme A 3-76arc288-01 2012-05-13 10:13:54 A 3-76arc288-01 2012-05-11 10:13:25 A 3-76arc288-01 2012-05-13 10:13:12 A 3-76arc288-01 2012-05-13 10:13:25 A 3-76arc288-01 2012-05-13 10:12:25	Event Monon celection aam Monon deection aam Monon deection aam Monon deection aam Monon deection aam

5.10 Set Email Alarm Linkage

To send an alarm email or picture to a specified mailbox in the case of an alarm, gain access to a camera through BROWSER and choose **Alarm > Alarm Linkage**. In the **Alarm Linkage** pane,

select the **Email alarm** option and perform email settings. For details, see Set Email Alarm Linkage in the User Manual--Using Browser for Video Surveillance in the delivery-attached CD.

🕆 Preview	● Alarm						
C Device	Alarm Linkage						
	Email Alarm Email Settin	Email Alarm Email Settings					
😭 Alarm	Save Video to FTP Server	FTP Settings	Save Video to Storage Card				
Motion Detection	Save Picture to Storage Card	1	🔲 Relay Output: 10 😪 Seconds				
External Alarm Settings		Confirm. Cancel					
🗏 Alarm Linkage	"						
🗏 Alarm Time							
	Email Settings						
	Advanced Settings						
	SMTP Server:	Port:25 (1-65535) SSL					
	Parity: O ON O	DFF					
	User Name:						
	Password:						
	Receiver's Email 1:	E.g.:abc123@abc.com					
	Receiver's Email 2:	E.g.:abc123@abc.com					
	Receiver's Email 3:	E.g.:abc123@abc.com					
	Sender's Email:	E.g.:abc123@abc.com					
	Theme:	Characters allowed 30					
	Message:		S				
			3				
	Character	s allowed 127					
		Confirm Cancel					

5.11 Configure Preset Locations and Cruise Routes

Set -> Hemote setting -> P1Z parameter set			
Channel 0 Channel 0			Address 1 Protocol: PELCO_D Baud rate: 9600 Data bit: 8 Stop bit: 1 Check bit: None
	CH1		
		Cruise: Lobby	<u> </u>
	E Freset name	(11) ID Name. Tin	speed
	001 Front door	1 Front door 5	30
	002 Emergency exit	2 Stars 5	
	003 Stairs 9	3 Coach 5	30
4			
	Preset name: Coach 5	Cruise name Lobby	2 7
	Add Modify Delete Test	Add	Delete Test
	Add Modify Delete Test	Add	Delete
	6	8	Save Reset
			12

- 1 Choose Set > Remote settings > PTZ parameter settings.
- 2 Double-click a camera channel in the device list.
- 3 Adjust the camera to the desired location.
- 4 Select the ID of a preset location.
- 5 Set the name of the preset location.
- 6 Click to add the preset location.
- 7 Set the name of a cruise route.
- 8 Click to add the cruise route.
- 9 Click a preset location in the preset location list.
- 10 Select a cruise route from the Cruise route drop-down list.
- 11 Click to add the preset location to this cruise route.
- 12 Click to save your settings.

5.12 Search and Playback Videos by Date



1 Click to enter **Playback** interface.

2	Select ZKivision Client Software	devices	base	d	on	date	type.
		8	1 😥 🕹	Current User: / 2012-08-10 17			type.
	Date Backup Image: Surveillance Image: Surveillance Imag	Backup file informatio	n IP or domain name Channel	Start time	Total size(MB) 28.379 End time	Selected file size(MB) File.size(MB)	28.379
	(∰ ♥ ⇒ 3 Floor (∰ ♥ ⇒ 192.168.80.116	3 Fisor 192 168.80.116	58.250.50.88 Channel 01 192.168.80.116 Channel 01	2012-08-10 00:00:00 2012-08-10 00:00:00	2012-08-10 23:59:59 2012-08-10 23:59:59	14.529 13.850	
		Back up player	n			Delete selected i	tems Delete all items
	Start time: 00 00 00 😳	Disk Total E:		ace(GB) 1.666	Backup directory:		
	End time: 23 : 59 : 59 🔹	F:	83.243 4	5.277	FA		
	2012 Year 08 Month Sun Month Tue Wed Thia FH Sat. Siss Bis Bis 01 02 03 04				Canceling	Đ	owse
	05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25					Start Pause C	ancel
	26 27 28 29 30 31 41 111 111 111 111 111 111 111	Refresh					
	Add to backup list						

- 3 Select a video type from the drop-down list.
- 4 Select a date.
- 5 Click to search for videos and the search results are displayed on the Timeline panel.
- 6 Click on the Timeline panel as the start point for playback.
- 7 Click to start playing back videos.

ONOTE: 1. A maximum of four channels can be selected for video search and playback by date.

2. When replaying a video, the replay will be stopped if changing the page.

5.13 Back Up Videos

Date Backup Image: Space state s	Rivision Client Software				
Image: Second and Comparison Image: Second field and Comparison I	6 🧕 1 🗕	S S 🗊 🖯			ZKTEES
Image: Spin Spin Spin Spin Spin Spin Spin Spin	Surveillance	Backup file information			
Image: Spin Size 148.20.163 Image: Spin Size 148.20.163.20.163.20.163.20.163 Image: Spin Size		6		Total size(MB) 28.379	Selected file size(MB): 28.379
2 Backup play: 7 Deete selected tems Deete all tem Backup play: 7 Deste selected tems Deete all tem Data tame: 3 23 159 159 1 Start time: 3 23 159 159 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Vice name IP or domain name	An and a second s		
2 Backup play: 7 Deete selected tems Deete all tem Backup play: 7 Deste selected tems Deete all tem Data tame: 3 23 159 159 1 Start time: 3 23 159 159 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3 Floor 58.250,50.88			
Disk space information Start time: 3 00 1:00 :00 Total case city (GB) Free scales(GB) Backup directory: Ind time: 3 23 1:59 1:59 Fr 83.243 45.277 F 8 2012 Veer 08 Month Fr 83.243 45.277 F 8 Browse 2012 1 Veer 09 Month Fr 83.243 45.277 F 8 Browse 2012 1 Veer 09 Month Fr 83.243 45.277 F 8 Browse 2012 1 Veer 09 Month Fr 83.243 45.277 F Browse Browse 2013 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		132.100.00.110 132.100.00.110	Chammer 01 2012-00-10 00.00.00	2012-00-10 23:33:39	10,000
Disk base information					
Startime: 3 101 Total cagacity (GB) Free space(GB) Backup directory Ind time: 3 23 159 159 156 7 159 166 7 16 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100					Delete selected items Delete al items
3 201 2 Ver 03 00 100 100 201 2 Ver 08 00 10 11 1 101 02 00 04 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 101 10 102 102 10 14 103 10 102 104 10 102 105 10 11 105 10 11 105 10 11 105 10 11 105 10 11 105 10 11 105 10 11 105 10 11 105 10 11 105 10 11 105 10 11 105 10 11 105 10<					
End time: 23 159 159 2012 Year: 05 Month F: 63.243 45.277 2012 Year: 05 Month Encode 2012 Year: 05 Month Encode 2012 Year: 05 Month Encode 2013 14 15 10 10 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 11 14 15 17 16 17 17 18				Backup directory	
2012 Year 08 Month Browse 2013 Year 08 Month Browse 2014 102 Concelling. Browse 2015 103 104 Browse 2015 103 104 Browse 2015 103 104 Browse	a time: 3 23 159 159			FA 8	
					Browse
	Sun Vied Thu Fri Sal			Canceling	
12 13 14 15 16 17 18				in the second se	
Start Dance Cancel					
					Start Pause Cancel
Provide and a second se		Refresh			9
5 Add to backup list	5 Add to backup list				
28 27 28 29 30 31 Refresh 9	19 20 21 22 23 24 25 26 27 28 29 30 31	Refresh			

- 1. Enter **Playback** interface and click "Backup" to enter the page of video backup.
- 2. Tick the cameras for video search.
- 3. Set the specific period.
- 4. Select the date
- 5. Click to add the searched videos to the backup list.
- 6. Tick the videos to be backed up.
- 7. Select whether to back up the media player.
- 8. Click the button to set the path of backup.
- 9. Click the button to start the video backup.

Notes: 1. The total files to be backed up should not be larger than 8G every time.

- 2. The path of backup should be neither the system disk, e.g. disk C, nor the video storage disk.
- 3. You can also access a camera through BROWSER and choose Alarm > Linkage alarm and select the Save Video to Storage Card option to back up the video to a storage card or select the Save Video FTP Server option to back up the video to

an FTP server and a storage card concurrently. For details, see Alarm Linkage in the User Manual--Using Browser for Video Surveillance in the delivery-attached CD.

Preview	• Alarm	
Device	Alarm Lir	nkage
	Email Alarm Email Settings	Send Picture
Alarm	Save Video to FTP Server FTP Settings	Save Video to Storage Card
Motion Detection	Save Picture to Storage Card	Relay Output: 10 😪 Seconds
🗖 External Alarm Settings		Cancel
🗏 Alarm Linkage		
🔲 Alarm Time		

5.14 Create a New User

				Permission
e [User	User grade	User status	⊞ 💽 🚓 2F
1	001	Super user	Allow	
2	002	Defined user	Allow	- 🕀 🔽 🚓 4F
3	Admin	Super user	Allow	- 🖽 🔽 🚓 6F
				- ⊞ 🗸 🚓 7F
				Provide connection permission
				Video
				Capture
				Vintercom
				Switch to sequence
				Replay
				Backup
		2 Add Mo	dify Delete	₽
			Doloto	P Search
				🥅 🖉 Group management
				🥅 🔑 Video adjustment
	000			🥅 🔑 Motion detection
User	AAA			
	AAA			🔲 🤌 Display setting
New are ord				📄 🤌 Display setting
New property				2 Display setting 2 Pletwork setting 2 Device information
				Display setting Altowork setting Device information OSystem setting
New proverse Confirm	*****			Display setting Alterwork setting Device information System setting Storage management
New property	***** ***** Common user			Display setting Olisplay setting
New per word Confirm 3 d	*****			Display setting Oisplay setting

- 1 Choose Set > Local settings > User management.
- 2 Click
- 3 Set a user name, a password, and a user level.
- 4 Set the user authority.

.

5 Click to save the profile of the new user.

0	User	-	User status		
1	AAA	Common user	Allow	·····································	-
2	001	2 Common user Super user	Allow		
3	002	Defined user	Allow		
4	Admin	Super user	Allow		
				Device connection permission	
				Video	
				🤯 🤣 Capture	
				V Intercom	
				Switch to sequence	
				Replay	
				Backup	
		Add	odify Delete	Set	
				- Search 4	
				🔲 🖉 Group management	
				🔲 🖉 Video adjustment	
	User: AAA			🥅 🔌 Motion detection	
	User			🔄 🔌 Display setting	
Old pass	word			🔲 🤌 Network setting	
				🔲 🤌 Device information	
3 pass	word			🔄 🔑 System setting	
				🔄 🔌 Storage management	
Confirm pass	ward			🔲 🔑 User management	
				1 🥅 🔑 Linkage alarm	
	rade: Common user		-	Electronic man	
User g					

5.15 Modify User Information or Authority

- 1 Choose Set > Local settings > User management.
- 2 Select a user from the user list, and the user state automatically shifts to a modification state.
- 3 Modify the user name, password, and user level.
- 4 Modify the user authority.
- 5 Click to save the modified user profile.

5.16 Back Up and Recover Configuration Data

To back up or recover configuration data, access to a camera through browser and choose **System > System Settings** to perform system settings. For details, see System Settings in the *User Manual--Using Browser for Video Surveillance* in the delivery-attached CD.

	System Setti	ngs
Local Storage of Images and Videos:	D:\	Please select the save path
Backup Configuration Data:	Backup Data	
Recover Backup Data:		Browse Recovery
System Upgrading:		Browse Upgrading
Reboot Device:	Reboot	
Reset to Factory Default:	Recovery	

5.17 Set Wireless Network

To enable wireless connection to a camera, access to the camera through browser and choose **Network settings** > **WIFI Settings** and perform WIFI settings. For details, see WIFI Settings in the *User Manual--Using Browser for Video Surveillance* in the delivery-attached CD.



Choose Set > Remote settings > Device information View and you can view important device information of the camera. When wireless connection is enabled, the Network Connection Type is Wireless Connection.

5.18 Search for System Logs

	8 9 1	0 🔞 🕖	2012-08-13 10:22:42			ZKT
al Event Access Event	Face event Sys	stem Event				
						5
Query mode: Query all logs	-	Log type: Query all logs		4 Sublog type: Query all logs		
		Start date: 2012-08-13 💌	00 : 00 : 00	End date: 2012-08-13	23 : 59 : 59 🗘	Query
Surveilance	D Log type	Operation time	Contents	Source	Sub-log type	Operation use
192.168.0.47	1 Alarm log	2012-08-13 10:21:50	Motion detection alarm	IP address 58.250.5		Admin
🕀 🚓 192.168.0.48 🕀 🚓 192.168.80.163	2 Alarmiog	2012-08-13 10:21:43 2012-08-13 10:21:12	Motion detection alarm Motion detection alarm	IP address:58.250.5 IP address:58.250.5		Admin Admin
H 40 3 Floor	3 Alarm log 4 Alarm log	2012-08-13 10:20:52	Motion detection alarm	IP address:58.250.5		Admin
H === 192.168.80.116	5 Alarm log	2012-08-13 10:20:32	Motion detection alarm	IP address:58.250.5		Admin
🖽 🚓 192.168.0.212	6 Alarm log	2012-08-13 10:20:23	Motion detection alarm	IP address:58.250.5		Admin
192.168.80.173	7 Alarm log	2012-08-13 10:19:16	Motion detection alarm	6 P address:58.250.5		Admin
3	8 Alarm log 9 Alarm log	2012-08-13 10:19:11 2012-08-13 10:18:58	Motion detection alarm Motion detection alarm	P address:58.250.5 P address:58.250.5		Admin Admin
	10 Alarmiog	2012-08-13 10:18:31	Motion detection alarm	IP address:58.250.5		Admin
	11 Alarmiog	2012-08-13 10:18:04	Motion detection alarm	IP address 58.250.5	0.88 Motion detection alarm	Admin
	12 Alarm log	2012-08-13 10:17:31	Motion detection alarm	IP address:58.250.5		Admin
	13 Alarm log 14 Alarm log	2012-08-13 10:17:21 2012-08-13 10:15:59	Motion detection alarm Motion detection alarm	IP address:58.250.5 IP address:58.250.5		Admin Admin
	15 Alarmiog	2012-08-13 10:15:53	Motion detection alarm	IP address 58.250.5		Admin
	16 Alarm log	2012-08-13 10:15:20	Motion detection alarm	IP address:58.250.5		Admin
	17 Alarm log	2012-08-13 10:15:13	Motion detection alarm	IP address:58.250.5		Admin
	18 Alarm log	2012-08-13 10:15:07	Motion detection alarm	IP address:58.250.5	0.88 Motion detection alarm	Admin
sus I nnai settinnus Suster	n settin/					_
S A MARK CALIFORNIA CONTACT	n setting 7					
State of the second						
setting	20					
setting Group switch time(5-60s)	20 Half a month					
setting Group switch time(5-60s) Log saving time: Date format	20 Half a month YYYYY-IMM-DD	- 8				
setting Group switch time(5-60s) Log saving time: Date format Time format	20 Half a month					
setting Group switch time(5-60s) Log saving time: Date format Time format. Auto-calibration time	20 Half a month YYYYY-MM-DD 24-hour mode	-				
setting Group switch time(5-60s) Log saving time: Date format Time format Auto-calibration time Time point	20 Half a month YYYYY-IMM-DD	-				
setting Group switch time(5-60s) Log saving time: Date format Time format Time format Time point Shot setting	20 Half a month YYYYY-MM-DD 24-hour mode	-				
Log saving time: Date format: Time format: Auto-calibration time Time point: shot setting O JPEG format	20 Haif a month YYYYY-MM-DD 24-hour mode 00 : 00 : 00	-				
setting Group switch time(5-60s) Log saving time: Date format Time format Time format Time point Shot setting	20 Half a month YYYYY-MM-DD 24-hour mode	-	Browse			
etting Group switch time(5-60s) Log saving time: Date format: Time format: Auto-calibration time Time point: shot setting O JPEG format	20 Haif a month YYYYY-MM-DD 24-hour mode 00 : 00 : 00	-	Browse			
etting Group switch time(5-60s) Log saving time: Date format: Time format: Auto-calibration time Time point shot setting • JPEG format Image save path;	20 Haif a month YYYYY-MM-DD 24-hour mode 00 : 00 : 00	-	Browse			
setting Group switch time(5-60s) Log saving time: Date format Time format a Auto-calibration time Time point shot setting JPEG format Image save path: Setting	20 Half a month YYYYY-MM-DD 24-hour mode 00 : 00 : 00 00 : 00 00 : 00 CAPicture Full HDD Aiert	-	Browse			

- 1 Click the button.
- 2 Select a data type.
- 3 Select the log type, sublog type, start date and end date.

- 4 Select a camera channel or a user.
- 5 Click to query the logs of a specified type within the defined time period.
- 6 Query results are displayed in the log list. Drag the scroll bar on the rightmost side or at the bottom of the interface to view the details. Click or to view the query results on the previous or next page.
- 7 To modify the log saving time, date format, or time format, choose **Set** > **Local settings** > **System settings**.
- 8 In the **Time settings** pane, modify the log saving time, date format, or time format.
- 9 Click to save your settings.

5.19 Playback Associated Videos Through Alarm Logs



- 1 Click the button.
- 2 Click the **Alarm** tab to search for videos based on alarm type.
- 3 Select the camera channels for query.
- 4 Select an alarm type.
- 5 Select a date.

- 6 Click to find out the alarm logs on that date. Query results are be displayed in the log list.
- 7 Select one of the alarm logs in the log list.
- 8 Click to play the associated videos of this alarm log.

ONOTE: The video playback will stop if you change the page.

5.20 Apply for and Use a Dynamic Domain Name for visiting IPC on Internet

If it is necessary to visit a camera on the internet, set the dynamic domain name of the camera and enable the port mapping on the corresponding router. Firstly, there must be a router with DDNS (Dynamic Domain Name Service). The following is an example of TP-Link router.

A Apply the dynamic domain username and host name for the camera.

Currently our company's IPC supports the dynamic domain name by Dyndns.org, 3322.org and Dynddns.us. Before applying the dynamic domain name, register an email address to receive the verification email. For example, the application for a Dyndns dynamic domain names is in the following procedure:

1. Log in <u>http://www.dyndns.org</u>, click the "Create Account".



2. Input all information and follow step by step with DynDNS.

🔿 Dyr	DNS		User:	Pass:	Logi
	About Se	rvices Accou	nt Support	News	
ly Account	Create Your DynD	NS Account			
Create Account					
ogin	Please complete the form to c	reate your free DynDNS	5 Account.		
Lost Password?	-User Information				
	Username:				
Search	Email Address:		Instructions to activate yo	ur account will be sent to the email address provided.	
	Confirm Email Address:				
Search	Password:		Your password needs to b Do not choose a password	e more than 5 characters and cannot be the same as yo that is a common word, or can otherwise be easily gu	our usernam essed,
	Confirm Password:				
	- About You (optional) Providing this information will needs. Thanks for your help!	help us to better under	stand our customers, and t	ailor future offerings more accurately to	your
	How did you hear about us:			do not sell your account information to anyone, includir ress.	ng your ema
	Details:				

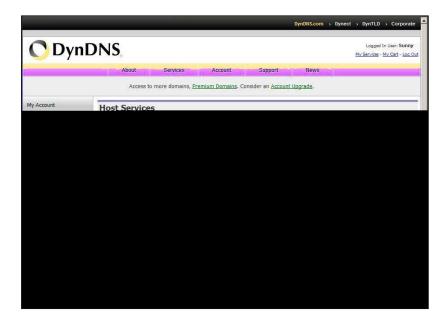
3. Log in with new account and click "Account My Hosts Add Host Services".

NS		Logged In User: Sunny <u>My Services - My Cart - Log Out</u>	🖸 🔿 Dyr
About Services	Account Support	News	<u> </u>
ccount Summary for Su			My Account
by Comileon	Billing	Assessed Cablines	My Services
View, modify, purchase, and delete-your services.	Billing Update your billing information, complete a purchase, and view invoices.	Account Settings Update your email address, set preferences, and delete your account.	Account Settings Billing My Cart
My Zones	View Shopping Cart	Change Email Address	0. items
Add Zone Services	Active Services	Change Password	
My Hosts	Order History	Change Username	Search
Add Host Services	Billing Profile and Vouchers	Contact Manager	Crantel
Account Upgrades	Renew Services	Mailing Lists	Search
MailHop Outbound	Auto Renew Settings	Move Services	
Network Monitoring	Sync Expirations	Preferences	
SSL Certificates		Close Account	0
Recursive DNS			
Support			
DNS Service Level Agreement			
Premier Support			

4. Type domain in the Hostname field and select sub-domain.

	About	Services	Account	Support	News	
	Access t	o more domains, <u>Pr</u>	<u>emium Domains</u> . C	onsider an <u>Account</u>	Upgrade.	
My Account	Add New Ho	stname				<u>↑ Host Services</u>
My Services Account Upgrades SLA Premier Support					use some of our Host S Id several other featur	ervice features. Please e <mark>s. <u>Learn More</u></mark>
Zone Services Host Services MaiHop Outbound		ostname: 🔽	Yes, alias "*.hostna	servebbs.org me.domain" to san	▼ ne settings.	
People Otto Million Constant Million Constant Million Constant Million Constant						
			ing inseries of		**************************************	
				6-11111.0 ¹⁶⁻ 0		

5. After typing in information, check your DDNS service.



- **B** Visit and configure the camera through browser.
- 1. Enter "System"--"Network Setting", fill the correct LAN gateway and HTTP port. The DNS and port settings of the router are used here.

» Preview	NetWork Setting		
» Equipemnt			TCP/IP Setting
» Alarm	IP Mode:	Manual IP	
»System	IP Address:		Only numbers and decimal point
> NetWork Setting		255.255.255.0	Only numbers and decimal point
> Time Setting > User's Setting	Gateway:	192.168.80.254	Only numbers and decimal point!
> Advanced Setting	DNS Mode:	Manual DNS	
> Domain Name Setting	Preferred DNS:	192.168.1.1	Only numbers and decimal point
> Equipment Information	Alternate DNS:	0.0.0.0	Only numbers and decimal point!
	HTTP Port:	80	Only numbers! E.g.: 80 or 1024-49151

2. Enter "System"--"Domain Name Setting", and configure the domain name of the camera.

» Preview	Domain Name Setting					
» Equipemnt	Remote Access Setting					
» Alarm	Dynamic Domain Name Setting:		Access certain	2		
»System		Dyndns.org				
> NetWork Setting	User's Name:					
> Time Setting		•••••				
> User's Setting	Host Name:	mydomain.whatever.com				
> Advanced Setting > Domain Name Setting	UPnP Auto Port Mapping:					
> Equipment Information					Confirm	Cancel

- **C** Login and configure the router
- 1. Enter the "Dynamic DNS" setting of the router, set and enable the DDNS.

Service Provider:	Dyndns (www.dyndns.org) 🕑 <u>Go to reaister</u>
User Name:	username
Password:	•••••
Domain Name:	
Connection Status:	Enable DDNS DDNS not launching! Login Logout

 Port Mapping: Enter "Forward Rules"--"Virtual Server Setting", click "Add a new link", add the IP address of the IPC in LAN and the corresponding port number, and enable the function. The port setting of the camera is used here.

Service Port: Internal Port: IP Address:	(00<-00 or XX) (00<, Only valid for single Service Port or leave a blank)
Protocol: Status:	ALL
common Service Port:	Select One

3. Configure DNS address: Enter "Network Parameters"--"WAN Port Setting" and manually set the DNS address of the router. The DNS setting of the camera is used here.

WAN Connection Type:	Dynamic IP 🕑 Detect
IP Address:	102.168.3.28
Subnet Mask:	255.255.255.0
Default Gateway:	192.160.3.3
	Release
MTU Size (in bytes):	1500 (The default is 1600, do not change unless necessary)
	Use These DNS Servers
Primary DNS:	192.168.3.3
Secondary DNS:	0.0.0.0 (Optional)
Host Name:	TL-WR2543ND

D Use the domain name to check whether can visit the IP camera on internet.

Choose **Set** > **Device management** > **Search**. Click to choose a parent area, manually add this IP camera to the system. Click , then the "Connection succeeded" dialog window pops up.

Set -> Device management -> Search		
	Modify areas	
Front door	Area Name: Zone 2	
Back door	Area name: Zone 2	
	Add Modify Delete	
	Message X Connection succeeded.	
·	ОК	
Device info		Q Search
Name: ^{8F}	User: admin Password **** Area Zone 2 💌	
IP addre 🚽 192 168 80	94 Port ⁸⁰ Device type: Bullet Camera 💌 Channel: ¹	
		Add Modify Delete Test

Or type in "http://domain name: port number" in the address bar of browser, e.g. "http://ipcamera123.dysdns.org:1025", and log in the system to browse the videos of the IPC.

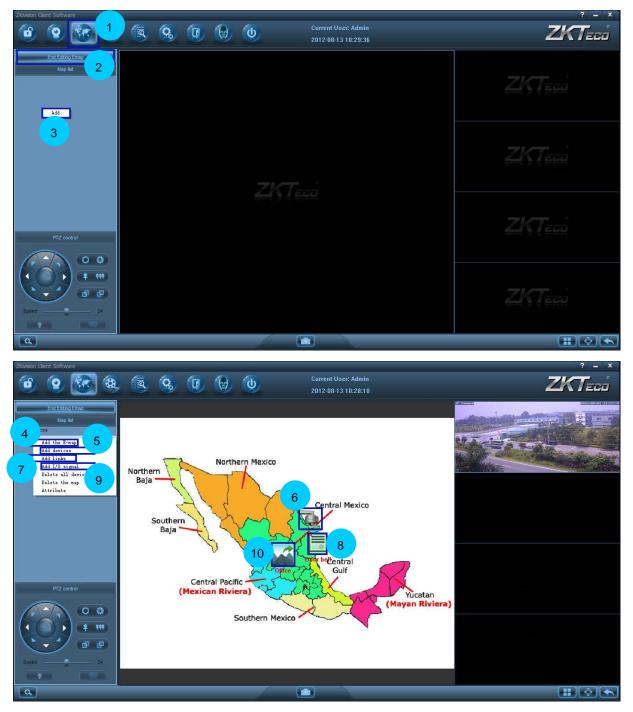
0 0 ·				
dbini http://iprocentil2.dyslan.org/1025/	Connect to 19	2.168.60.123	? 🔀	M 🚺 🐼 🕬
http://ipeanera123.dysdns.org/1025/	7			
	index.html			
	User name:	🖸 ədmin	~	
	Password:	•••••		
		Remember my password		
		OK Cance	н	

5.21 Set Audio and Video Parameters Appropriate for Your Network

Setting -> Remote setting -> A&V paran	leter setting			
Government Government			Video parameters setting	
			Mainst	ream Sub-stream
Channel 01	ATTICICAL DE LA COMPACTICA		Resolution D	t 💌
			Bit rate 10	96 32-2048kbps
			Frame rate 2	5 💉 (fps)
			Main frame interval	(2-150)
			Encoding Control.	BR
			Encoding Quality: 1	(Smaller value better quality)
	and the second			
	Audio settings	Color adjustment	Scene setting	OSD setting
	Mainstream Sub-st	ream	120 Image up/down	Mage name overlap
	Acquisition audio: Open		150 Image left/right 140	Mage time overlap
	Audio format: G726	<u>ه</u>	0	OSD name: 中国wwwzk
	Contraction of the second	Ø	0	
	Audio input; Microphone i	nput 🗾 🦽 n	¢	
			255	
		Default	- I	
				Apply Reset Default

- 1 Choose Set > Remote settings > A&V parameter settings.
- 2 Double-click a camera channel in the device list.
- 3 Set audio and video parameters. See <u>4.6.3 Audio and Video Parameters settings.</u>
- 4 Click to apply your settings.

5.22 How to Set E-map



- 1. Access the **E-Map** tag page.
- 2. Click **Edit E-Map** to access the map editing page.
- 3. Click the right mouse button on the map list and choose **Add** to add e-maps.

- 4. If you want to add multi-level scenario maps, first choose the upper level map on the map list, and right click to choose **Add E-map**. Then set the attributes for the map that you want to add.
- 5. If you want to deploy a camera on the map, first choose the map on the map list, and right click to choose **Add devices**. Then set the attributes for the device that you want to add.
- 6. Or you can right click the map on the map display window and choose Add devices.
- 7. Drag the mouse cursor to the device icon, press the left button and drag the device icon to where you want to place it.
- 8. If you want to add link on the map, first choose the map on the map list, and right click to choose **Add link**. Then set the attributes for the link that you want to add.

Or you can right click the map on the map display window and choose Add link.

- 9. Drag the mouse cursor to the link icon, press the left button and drag the link icon to where you want to place it.
- 10. If you want to add input-output signals on the map, first choose the map on the map list, and right click to choose **Add I/O Signals**. Then set the attributes for the input-output signals that you want to add
- 11. Or you can right click the map on the map display window and choose Add I/O Signals.
- 12. Drag the mouse cursor to the signal icon, press the left button and drag the signal icon to where you want to place it.
- 13. Click **End Editing E-map** to exit map editing.
- 14. After the device is armed, when an external alarm signal comes in, the input signal icon will blink. After confirming the alarm on site, the security guard can right click the icon to confirm the alarm and then the icon will stop blinking.
- 15. You can access the linked e-map by clicking the link icon on the map.
- 16. You can double-click the device icon or drag the icon to the video play window to play the video in real time.
- 17. You can control the output by double-clicking the output signal icon on the map.



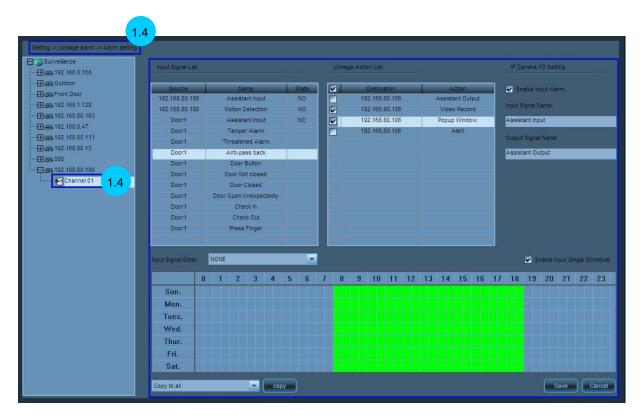
 The alarm linkage of all signals will work only after the device (the camera) is armed. If the device is disarmed, it cannot produce alarm linkage. For arming the device, see <u>Enable</u> <u>Arming</u>.

- 2. For setting signal alarm linkage, see <u>Set Alarm Linkage</u>.
- 3. For associating the IP camera with the access controller, see <u>5.23 How to Set and Apply the</u> Association of the IP Camera with the Access Controller.

5.23 How to Set and Apply the Association of the IP Camera with the Access Controller

Setting -> Linkage alarm -> Access Manager	Ment 1.1 Access List			Access Sig	nalList	
· ⊞ ⇒ Front Door · ⊞ ⇒ Front Door · ⊞ ⇒ 192.188.1.120 · ⊞ ⇒ 192.188.0.183 · ⊞ ⇒ 192.188.0.183 · ⊞ ⇒ 192.188.0.183 · ⊞ ⇒ 192.188.0.13 · ⊞ ⇒ 192.188.80.106 · ⊕ ⇒ 192.188.80.106 · ⊕ ⇒ 192.188.80.106 · ⊕ ⇒ 192.188.80.106	Access liame Door2 Door1	IP address 192.168.0.58 192.168.0.59	Port 4370 4370 1.3	Access Name Doorl Doorl Doorl Doorl Doorl Doorl Doorl Doorl Doorl	Signal Name Assistant Input Open Door Tamper Alarm Threatened Alarn Anti-pass back Door Not closed Door Not closed Door Closed Open Unexpect Check In Check Out Press Finger	VD Input Signal Output Signal Input Signal Input Signal Input Signal Input Signal Input Signal Input Signal Input Signal Input Signal
	IP address: 1.4	Door1 192 168 4370 (0~32767) Delete	0 59 Test	Signal Name:	Modif	1.5 Save Cancel

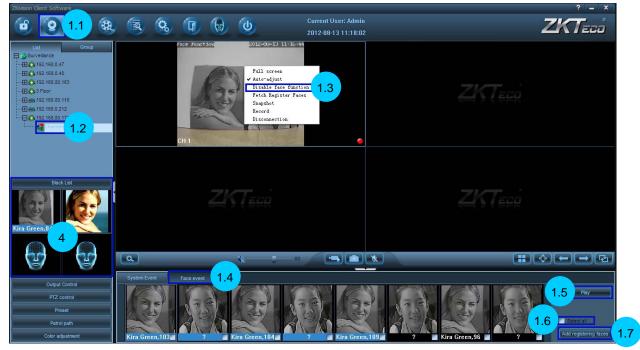
- 1. Set the association of the camera with the access controller.
 - 1.1 Access the **Settings --> Linkage Alarm --> Access Management** interface.
 - 1.2 Manually add the access controller to the system. When adding succeeds, the access controller will be displayed on the access controller list. (You can click **Test** to check whether the access controller is successfully connected)
 - 1.3 Double-click the camera channel to be associated with on the device tree to connect the camera.
 - 1.4 Tick the access controller to be associated with on the access controller list. You may select more than one access controller.
 - 1.5 Click **Save** to save the setting and finish associating the camera with the access controller.



- 2. Set door controller event alarm linkage.
 - 2.1 Access the Setup --> Alarm Linkage --> Alarm Setup page.
 - 2.2 Double-click the camera associated with the door controller. When the connection is successful, set the alarm linkage items for door controller events. For details, see5.9How to Set Alarm Linkage.
 - 2.3 Click Preview to start arming the device. For details, see Enable Arming.
- 3. You can implement video surveillance on the **Preview** page. If there is a door controller input signal, the system will perform linkage actions such as video recording and opening the door according to the alarm linkage settings.
- 4. On the e-Map page, you can add input-output signal icons on the map and operate video surveillance and output control. For details, see 5.22 How to Set E-Map.
- 5. Search for door controller events and play back the linkage video.
 - 5.1. Access the Event Query Access Events page.
 - 5.2. Set query conditions, click **Search**, and the search results will be displayed on the log list.
 - 5.3. View the log, double-click the log with associated video (font in red), and the associated video will be played in the playback window.



5.24 How to Set and Apply Face Function



- 1. You can register a user in two ways: collecting a photo on line and manually importing a picture.
 - Registering by Collecting a Photo on Line
 - 1.1 Access the **Preview** page.
 - 1.2 Connect the camera for which the face identification function is to be enabled.
 - 1.3 Right click to choose Enable Face Function on the cell.
 - 1.4 Switch to the **Face Event** information panel.

- 1.5 Click **Pause** to suspend the rolling display of the identification results on the left.
- 1.6 Tick the face images to be registered, or tick **Select all** to select all the images on the face event information panel.
- 1.7 Click **Add registering faces** to add the ticked images to the face template list on the face registration page.
- 1.8 Access the Face Function—Face Registration page.
- 1.11 Tick the face images to be registered or tick **Select all** to select all the pictures on the list.
- 1.12 Click to select one picture on the list as a reference picture for the currently registered user.
- 1.13 Fill in the user information and set whether the user is a blacklist user or not.
- 1.14 Click Register to add the user to the system, and the registration is finished.
- Registering by Manually Importing a Picture.
 - 1.8 Access the Face Function—Face Registration page.
 - 1.9 On the face template list, tick to select the location to which you want to import the picture.
 - 1.10 Click Import Face to manually import face pictures.
 - 1.11 Tick the face images to be registered or tick **Select all** to select all the pictures on the list.
 - 1.12 Click to select one picture on the list as a reference picture for the currently registered user.
 - 1.13 Fill in the user information and set whether the user is a blacklist user or not.
 - 1.14 Click Register to add the user to the system, and the registration is finished.



2. Set face identification parameters.

Face Register	Face Function -> Face Recognition Setting
User management	Face Recognice Setting:
Face Recogniton Setting	Recognize Score Threshold 75 (1 ~ 200)
2.1	Face Detecting Threshold: ⁹⁰ (10 ~ 200) 2.2
	Template Quality Threshold: 50 (1 × 200)
2.1	
	Save Default Cancel
	Save

- 2.1 Access the Face Identification—Parameter Settings page
- 2.2 Set face identification parameters. For description of parameters, see 4.8.3Parameter Setting.
- 3. Set face event alarm linkage.
 - 3.1 Access the Setup—Alarm Settings page.
 - 3.2 Double-click the camera for which face identification function is enabled. When the connection is successful, set alarm linkage items for face events. For details, see 5.9How to Set Alarm Linkage.

Surveillance - 🕀 🚓 192.168.0.47	Input Signal List	i.					Lin	kage Acti	on List							IP Ga	amera	/O Sett	ling	
- 🕀 🚗 192.168.0.48 - 🕀 🚗 192.168.80.163	Source		_	Name	_	State			Destinat				Action			🖌 En	able In	put Ala	icm :	
- 🕀 🚓 3 Floor	192.168.80.17			xiliary Inp on Detect		NC			92.168.8 92.168.8				liary Out eo Reco			Input S	Signal I	lame:		
- 🕀 🚙 192.168.80.116	192.168.80.17	3	Detect	General	Face			19	02.168.8	0.173		Pop	up Winde	DW.	- 12	Auxilia	ary Inpi	ut		
- 192.168.0.212	192.168.80.17	3	Dete	ct Black F	ace			19	92.168.8	0.173			Alert			Output	t Signa	Name	5	
L 😴 Channel 01																Auxilia	ary Out	put		
	Input Signal State		None	_			3.3											nable k		
				2 3	4	56		1 9	10	11	12	13 14	1 15	16	17	18				
	Sun.			2 3	4	56		8 9	10	11	12	13 14	1 15	16	17	18				
	Sun. Mon.			2 3	4	56		3 9	10	11	12	13 14	1 15	16	17	18				
	Sun. Mon. Tues.			2 3	4	56		3 9	10	11	12	13 17	1 15	16	17	18				
	Sun. Mon. Tues. Wed,			2 3	4	56		9	10	11	12	13 14	1 15	16	17	18				
	Sun. Mon. Tues.			2 3	4	5 6		3 9	10	11	12	13 17	1 15	16	17	18				

3.3 Click Preview to start arming the device. For details, see 5.8 如何开启设备布防.

4. You can implement video surveillance on the **Preview** page. If the system identifies a face, the system will perform alarm linkage actions according to the alarm linkage settings; if it identifies a blacklist user, the user will be displayed on the **Blacklist**.





5.1 Access the **Event Query – Face Events** page.

- 5.2 Set query conditions, click **Search**, and the search results will be displayed on the log list.
- 5.3 View the log, double-click the log with associated video (font in red), and the associated video will be played in the playback window.
- Note: The system will extract a face template from the ticked picture on the template list and use it as the face template for the currently registered user. When you register a user, it is recommended that you tick a number of face images for this user to improve the accuracy of the face template.

6 FAQs

6.1 No Image at Preview

Possible causes:

- 1 Incorrect device information such as the user name and password
- 2 MAC address conflicts between the camera and other devices
- 3 Too many users connected to the camera
- 4 Camera hardware failure

Solutions:

- 1 Choose **Set** > **Device management** > **Search**. Correct the device information such as the user name and password. Click **Test** until the connection succeeds.
- 2 Choose Set > Device management > Search. Click and then . On the search list, check whether the camera has a MAC address that conflicts with that other devices. If such a conflict exists, consult professionals or our technical support team.
- 3 Access to the camera through browser. Choose System > Device information to view the number of connected videos (a camera can support a maximum of four users to browse main stream videos at the same time or ten users to browse secondary stream videos at the same time). When the maximum number of video connections is reached, wait for a few minutes until the number falls below the maximum, and then try connecting again. After these operations, you can properly play the videos.
- 4 Contact our commercial personnel or technical support team.

6.2 No Audio at Preview

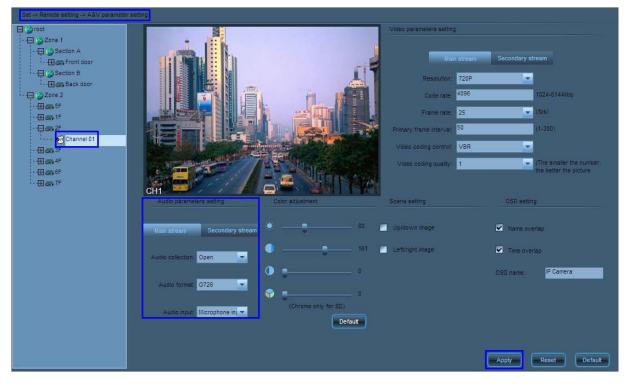
Possible causes:

- 1 No external audio collecting devices
- 2 Incorrect audio/video parameter settings

Solutions:

1 Connect an audio collecting device to the camera before connecting the camera to your PC to make sure that you can properly hear the audio.

2 Choose Set > Remote settings > A&V parameter settings. On the A&V parameter settings interface, set Audio collection to Open.



6.3 No Audio in Playback

Possible cause: The audio collection function is disabled when you videotape the images.

6.4 Failure to Enable Manual Recording

Possible causes:

- 1 Equipment disconnected
- 2 Disk space insufficient

Solutions:

- 1 Choose **Set** > **Device management** > **Search**. Click **Test** until the connection succeeds.
- 2 Choose **Set** > **Local settings** > **Storage management**. Tick off **Disk full cover**. Then the video files of the earliest date will be deleted when all disk space is less than the preset reclaimable space. Or you can enter the video storage path and manually delete unwanted videos to free up the disk space.

6.5 Failure to Disable Videotaping at Preview

Possible causes:

The device performs scheduled videotaping within a specified period.

The device performs linkage alarm videotaping within a specified period.

6.6 Pan-Tilt Abnormality

Abnormal conditions:

- 1 Lighting out of order
- 2 Wiper out of order
- 3 Pan-tilt out of order
 - (1) The device has no built-in pan-tilt.
 - (2) The device cannot work with a pan-tilt.

Solutions:

- 1 Check whether any external light fixtures are connected. This function applies when there are external fixtures.
- 2 Check whether any external wipers are connected. This function applies when there are external wipers.
- 3 (1) An external pan-tilt is required.
 - (2) Choose Set > Remote Settings > PTZ Parameter Settings. Set PTZ parameters such as the address, baud rate, and stop bit on the PTZ Parameter Settings interface. Ensure that these parameter settings are consistent with the PTZ settings.



6.7 Failure to Implement Audio Intercom

Possible cause: The device has no external audio input devices or no headsets or microphones are connected to the PC.

Solution: Connect an external audio input device to the device and connect a microphone headset to the PC.

6.8 Failure to Play Back Videos Displayed on the Timeline Panel After a Video Search

Possible cause: The video files are missing or the user has manually deleted the video files within a specified period.

6.9 Failure to Search for Video Files

Possible cause: The video file for this time period has been deleted or has been overwritten by circulating video recording.

6.10 Failure to Set the Motion Detection Area

Possible causes:

- 1 When **Resolution** is set to **QCIF**, the system does not respond your request for motion detection area settings.
- 2 If you log in to the front-end device with a non-admin account, the system does not respond your request for motion detection area settings.

Solutions:

1 Choose Settings > Remote Settings > A&V Parameter Settings. In the Video parameters settings pane, set the resolutions on the Main stream and Secondary stream tab pages separately.



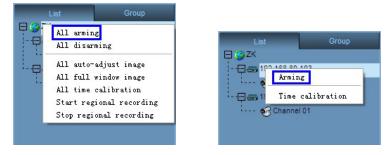
2 Switch to log in to the front-end device as a superuser, and then set the motion detection area.

6.11 Failure to Achieve Alarm Linkage

Possible cause: The Arming function is not enabled.

Solutions:

- 1 On the equipment list of the preview interface, right-click a desired area and choose **All arming** from the shortcut menu. Then the guard function is enabled for all devices in this area.
- 2 On the equipment list of the preview interface, right-click a desired device and choose **Arming** from the shortcut menu. Then the guard function is enabled for this device in this area.



6.12 Failure to Display the Alarm Window After Enabling Arming

Possible causes:

- 1 The **Pop up video window** option is not selected.
- 2 No alarm signals are detected.
- 3 When **Resolution** is set to **QCIF**, the system does not support motion detection alarms.
- 4 If you log in to the system as a non-admin user (namely, a superuser), the system does not support motion detection alarms.

Solutions:

1 Choose Settings > Linkage Alarm > Alarm Settings. In the Alarm linkage pane, select Pop up Window.

192.168.0.158	Input Signal List			Linkag	ge Action List		IP Camera VO Setting
Gutdoor	Source	Name	State		Destination	Action	Enable input Alarm
Front Door	192.168.80.106	Assistant input	NO		192.168.80.106	Assistant Output	
192.168.1.120	192.168.80.106	Motion Detection	NO		192.168.80.106	Video Record	Input Signal Name:
	Door1	Assistant input	NC		192.168.80.106	Popup Window	Assistant Input
	Door1	Tamper Alarm			192.168.80.106	Alert	
	Door1	Threatened Alarm			Door1	Open Door	Output Signal Name:
	Door1	Anti-pass back					Assistant Output
	Door1						
							а
							2
							a
							a
							a

- 2 Check the motion detection area and input alarm settings. For relevant motion detection settings, see <u>5.7 Set Motion Detection</u>. For relevant external alarm inputs, see <u>Set Alarm Linkage</u>.
- 3 Choose Set > Remote settings > A&V parameter settings. In the Video parameters settings pane, set the resolutions on the Main stream and Secondary stream tab pages separately.
- 4 Switch to log in to the system as a superuser.

6.13 Video Image Exception at Preview

Possible causes:

- 1 Incorrect video parameter settings
- 2 Unstable camera connection

Solutions:

1 Choose Set > Remote settings > A&V parameter settings. In the Video parameters settings pane, set parameters on the Main stream and Secondary stream tab pages according to actual bandwidth.



2 Check to ensure that the camera is properly connected.

6.14 Incorrect System Time

Solution: Choose **Set** > **Local settings** > **System settings**. Tick off **Auto-calibration time** and set the calibration time. When the calibration time arrives, the system automatically calibrates the time.

7 Others

- 1 To monitor the devices in a centralized manner, enable Task Manager to check the CPU usage. The CPU may function improperly with more than 80% resources occupied. See <u>5.21</u> Set Audio and Video Parameters Appropriate for Your Network to decrease the device bit rate, or lower the resolution.
- 2 Check the manufacturer website regularly for the latest software version.

IP Acquisition Mode	Manual settings
IP Address	192.168.1.88
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
HTTP Interface	80
UPnP	Disabled
DNS Acquisition Mode	Manual settings
Primary DNS	192.168.1.1
Motion Detection	Disabled
Alarm Input	Disabled
Wireless	Disabled
User name	admin
Password	admin

3 Know the factory default parameters of cameras produced by our company.