

# **HD NETWORK CAMERA**

## **User Manual**

RS-CH772H1B-36-RF

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## **Introduction**

Thank you for using our network camera products.Our network camera productsare integrated and developed for network video monitoring, including Storage Network Bullet, Wireless Storage Network Bullet, IR Network Dome, IR Network Weather-Proof Cameras and High-Speed Network Ball. High-performance single SOC chips are used in media processor for audio/video acquisition, compression and transmission/transfer. Standard H.264 encoding algorithm is applied to ensure clear and smooth video representation and transfer performance. Embedded Web Server offers users access to real-time surveillance and remote control of front-end camera through IE browser.

Thenetwork cameras are easy to install and operate. The network cameras areapplicable to large and medium-size enterprises, governmental projects, large mall, chain supermarkets, intelligent buildings, hotels, Hospitals and schools and other group customers, as well as to applications requiring remote network video transmission and monitoring.

#### **Instructions:**

- For purpose of this manual, IP camera means network camera.
- Single click means a single click on the left mouse button.
- Double click means a double-click on the left mouse button.
- The default for DHCP automatically obtain an IP address
- The default factory administrator user name for IP camera is admin (in lowercase), and the password is 123456.
- The default Web port number is 80 and the default media port number is 9000.

#### Statement:

Some information contained in this manual may differ from the actual product. For any problems you cannot solve with the use of this manual, please contact our technical support or the authorized dealers. This manual may be subject change without prior notice.

## **<u>1. Overview</u>**

## **1.1 Product Description**

An IP camera is a digital online surveillance camera embedded with Web server and capable of independent operation, giving user access to real-time monitoring through web browser or client software from any place across the world.

IP camera is based on the latest Hisilicon solution, an integrated media processing platform for audio/video acquisition, compression and network transmission on a single board. It is in compliance with H.264/ H265 High Profile encoding standards. Any remote user can have access to real-time monitoring by entering the IP address or domain name of the IP camera in web browser. This network camera solution is applicable to residential or business environmentas well as a wide range of situations requiring remote network video monitoring and transmission. The IP camera products are easy to install and operate.

The IP cameras can be managed by several users with different authorization levels.

IP cameras allows mobile detection, and sends e-mail and snapshot taken in case of emergency and store the image or video snapshot in SD card for retrieval.

## **1.2 Operation Environment**

Operating system: Windows 7/Windows 8/Windows 2008 (32/64-bit),

Windows 2003/Windows XP/Windows 2000 (32-bit)

CPU: Intel Core Duo II dual-core processor or higher Memory: 1G or more Video memory: 256M or more Display: 1024 × 768 or higher resolution IE: IE 6.0 or higher version

## **2. Device Connection**

IP camera can be connected in two ways:

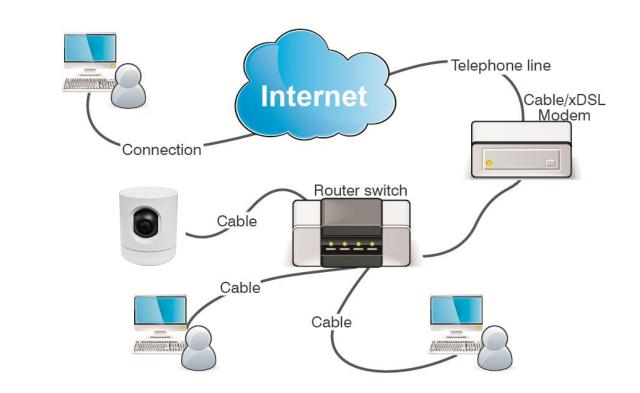
1. Connection to PC

Connect IP camera to PC via straight-through network cable, with power input connected to a DC 12V adaptor, and set the IP addresses of the PC and IP camera in one network segment. The IP camera will communicate with PC within one minute after being powered on if the network operates normally.



2. Connection to router/switch

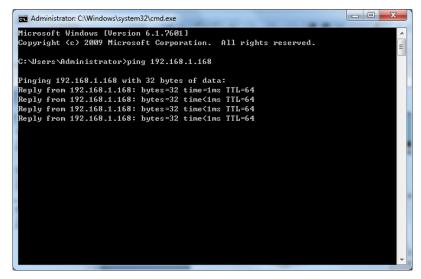
This is more commonly used in connecting the IP camera to Internet, where the camera and PC are connected to LAN ports of a router/switch, with gateway of the camera set to the IP address of the router.



## **<u>3. Device Operation Instructions</u>**

### **3.1 Check Connection**

- The default factory IP address for IP camera is 192.168.1.125and the subnet mask is 255.255.255.0.
   Allocate to your computer an IP address in the same network segment as the IP camera, for example, 192.168.1.69, and a same subnet mask as that of the IP camera.
- 2. Test whether the IP camera is connected properly and started normally by clicking on Start > Run and entering "cmd" and pressing ENTER, and entering "ping 192.168.1.168" in the command line window to



Check whether the IP camera is accessible. If the PING command is executed successfully, it indicates that the IP camera operates normally and the network is connected properly. If the PING command fails, check IP address and gateway setting of the PC and connectivity of the network.

## **3.2 Searching Device**

Tips: IPC Device Search may be used for device searching across network segments. Before running IPC

Device Search, click on the local connection icon at the lower right corner of the desktop;

1. Add IP addresses of several network segments in TCP/IP setting for local connection (as shown below). By running the searching tool you can search any device with IP address in the same network segment.

tworking				
Connect using:	Internet Protocol Version 4 (TCF	/IPv4) Properties	8 23	
Realtek PCIe GBE Family Controller	General		Advanced TCP/IP Settin	gs 🤋
Configu			IP Settings DNS W	/INS
his connection uses the following items:	this capability. Otherwise, you	ed automatically if your network su need to ask your network administ		
Client for Microsoft Networks	for the appropriate IP settings.	•		
QoS Packet Scheduler	Obtain an IP address auto		IP address	Subnet mask
Ele and Printer Sharing for Microsoft Networks     A Internet Protocol Version 6 (TCP/IPv6)			192.168.1.77	255.255.255.0
<ul> <li>Internet Protocol Version 6 (TCP/IPV6)</li> <li>Internet Protocol Version 4 (TCP/IPv4)</li> </ul>	<ul> <li>Use the following IP address</li> </ul>	55:		
	IP address:	192 . 168 . 1 . 77	3 📥	
<ul> <li>Link-Layer Topology Discovery Mapper DO Driver</li> <li>Link-Layer Topology Discovery Responder</li> </ul>	Subnet mask:	255 . 255 . 255 . 0		Add Edit Remove
1.double-click	Default gateway:	192.168.1.1	Default gateways:	
Install Uninstall Properti			TCP/IP Address	? ×
Description	<ul> <li>Obtain DNS server addres</li> </ul>	is automatically	TCP/IP Address	
Transmission Control Protocol/Internet Protocol. The defa	<ul> <li>Use the following DNS ser</li> </ul>	ver addresses:	IP address:	192 . 168 . 4 . 77
wide area network protocol that provides communication across diverse interconnected networks	Preferred DNS server:	202 . 96 . 128 . 86	i courcis.	
	Alternate DNS server:		Subnet mask:	255 . 255 . 255 . 0
	Alternate DNS server:			
ОК	Validate settings upon ex	at 2 Advan	ced.,	Add Cancel
		ОК	Can	

#### Note:

IPC Device Search uses multicast protocol for device searching across segments but any firewall forbids traffic of multicast data packets, so any firewall must be disabled in order that network the information on device can be

#### acquired.

Online device searching procedure

Run IPC Device Search by double clicking icon is address, port number, number of channels, device type and version, subnet mask, gateway, MAC address and

 $\overline{\mathbf{N}}$ 

connection pattern.

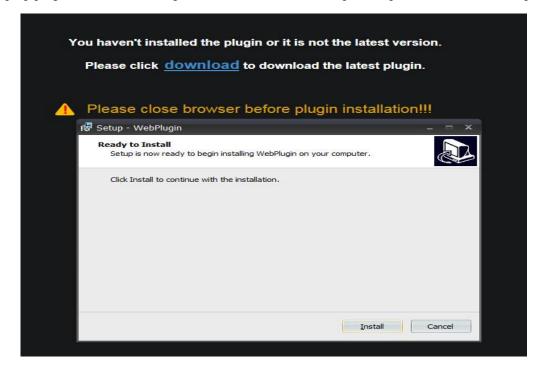
Device		n Set Man	ual Setting									
							Device List					
No.	IP	Media Port	Channel Number	Device Type	Device Vertion	Net Mask	GateWay	MAC Address	DNS1	DNS2	Web Port	Network Mode
1	<u>192.168.1.30</u>	9988	1	IP CAMERA	V2.0.1.0_151224	255.255.255.0	192.168.1.1	00-23-63-39-BD-D8	192.168.1.1	0.0.0.0	80	Manual
2	<u>192.168.1.31</u>	9988	1	IP CAMERA	V2.0.1.0_160317	255.255.255.0	192.168.1.1	00-23-63-5B-B7-66	192.168.1.1	0.0.0.0	80	Manual
3	<u>192.168.1.34</u>	9988	1	IP CAMERA	V2.0.1.0_160331	255.255.255.0	192.168.1.1	00-23-63-5B-B7-6A	192.168.1.1	0.0.0.0	80	Manual
4	192.168.1.36	9988	1	IP CAMERA	V1.0.1.1-151009	255.255.255.0	192.168.1.1	70-23-63-38-45-3A	182.92.131.150	8.8.8.8	80	Manual
5	<u>192.168.1.37</u>	9988	1	IP CAMERA	V2.0.1.0_160317	255.255.255.0	192.168.1.1	00-23-63-68-7E-9B	192.168.1.1	0.0.0.0	80	Manual
6	192.168.1.100	9000	8	DVR	V6.1.0-20151217	255.255.255.0	192.168.1.1	00-BC-BC-AA-22-23	192.168.1.1	0.0.0.0	80	Manual
7	<u>192.168.1.103</u>	9000	32	NVR-H5B-32	V5.2.0-20160331	255.255.255.0	192.168.1.1	00-11-22-66-52-C6	202.96.128.86	8.8.8.8	80	DHCP
8	<u>192.168.1.106</u>	9000	32	NVR32-3MP	V5.2.0-20150911	255.255.255.0	192.168.1.1	00-23-63-40-5C-95	202.96.128.86	8.8.8.8	80	DHCP
9	<u>192.168.1.107</u>	9000	32	NVR323-3MP	V5.2.0-20160307	255.255.255.0	192.168.1.1	00-11-22-66-52-C7	202.96.128.86	8.8.8.8	80	Manual
10	<u>192.168.1.123</u>	9988	1	IP CAMERA	V2.0.1.0_160402	255.255.0.0	192.168.1.1	00-23-63-5B-B7-64	192.168.1.1	0.0.0.0	80	Manual
11	<u>192.168.1.125</u>	9000	1	PLM00	V1.0.1.2-160407	255.255.255.0	192.168.1.1	00-23-63-5C-39-56	202.96.128.86	8.8.8.8	80	DHCP
12	<u>192.168.1.166</u>	9988	1	IP CAMERA	V2.0.1.0_160405	255.255.255.0	192.168.1.1	00-16-6C-F6-75-24	192.168.1.1	0.0.0.0	80	Manual
13	<u>192.168.1.169</u>	9988	1	IP CAMERA	V2.0.1.0_160408	255.255.255.0	192.168.1.1	00-23-63-5E-C0-C3	192.168.1.1	0.0.0.0	80	Manual
14	<u>192.168.1.200</u>	63206	1	IP CAMERA	V1.0.1.3-160411	255.255.255.0	192.168.1.1	00-2A-2B-FE-19-19	8.8.8.8	8.8.8.8	63207	Manual
15	<u>192.168.1.201</u>	63204	1	IP CAMERA	V1.0.1.1-160314	255.255.255.0	192.168.1.1	00-23-63-5E-C2-01	8.8.8	8.8.8.8	63205	Manual
16	<u>192.168.1.242</u>	9988	1	75 Zoom 4M	V2.0.1.0_160413	255.255.255.0	192.168.1.1	00-11-22-A3-87-55	192.168.1.1	0.0.0.0	80	Manual

## 3.3 Installation of Controls and Login to System

Before using IE (Internet Explorer) browser to access the IP camera for the first time, related plug-in components must be installed by following the procedure below:

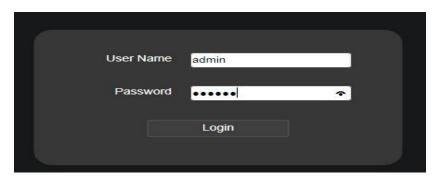
Access IP address of the IP camera to automatically load the controls from it.

In a pop-up plug-in installation dialog box, choose an installation option to perform the installation process.



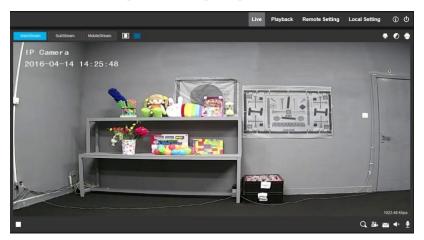
#### 3.3.1 Preview

Operate IE and enter the IP address of the camera (http://192.168.1.125) to open a login box as shown below:



In the login box you can choose a language for the IE client. Enter your user name (admin by default) and

password (123456 by default) and then press OK to open a preview frame as shown below:



Some buttons in the preview frame are described below



:Can be opened (breathing) on/off (breathing) wouldn't light

Color setting button, for setting of color, brightness, contrast, saturation and sharpness of the frame

PTZ control yuntai function

#### Playback

read the recording file from SD card, and then playback from browser

**Remote Setting** 

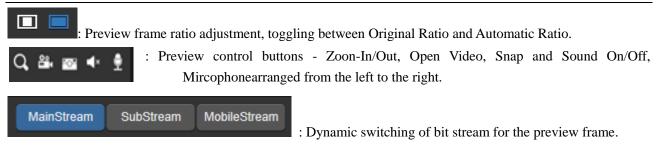
: Access to device setting menu, for customized setting of various device parameters.

Local Setting

(i) (b)

: For setting of snapshot, video file type and storage path.

Help information (including current user, Web browser and plug-in versions), logout button, for returning to the login page.



:Yuntai control button, click on the preview page after the diagram below:

	Live Playback	Remote Setting	Local Setting	ው ወ
Variabrear     SubStream		00 50 Kbp	Default Cruise Preset Cruise	

Preview page pops up a new operating page, contains the PTZ, Preset, Cruise

PTZ: on behalf of yuntai bearing (or so)

Preset: you can add, delete, call the Preset points (1-15)

Cruise: can default, stop and Cruise mode to parallel Cruise, parallel 355 degrees

Local Setting : Click Path Configuration button to pop up the following dialog box: In this dialog box you can set video storage location, paths for download of remote file and storage of image snapshot, file type (AVI by default, in H264 encoding) and video recording duration.

Record Path	D:\IPCAMERA\Record	••••
Download Path	D:\IPCAMERA\Download	•••
Snapshot Path	D:\IPCAMERA\Capture	•••
File Type	AVI V Interval 10	Min

#### **3.3.2 Playback** (optional function)

Click record file to playback, select the corresponding date, then click the Search to go to below page

4         2016         4         >           5         64         7         80         7         2           3         4         5         6         7         8         0           10         14         12         23         34         15         16           12         14         12         23         34         15         16           17         18         19         20         21         22         23           4         8         16         27         21         20         21	00 00:00:00				
Type All					
Q Bearth					
► ■ ► ≪ ► < 	<b>016-04-14</b> 50 14,05	15.j0	15,05 15,10	<b>N</b> E. 25	<b>५</b> ० १७

Button function explanation:



: Record file type; ALL  $\$  Normal  $\$  Alarm

From left to right is play/pause, stop, frame playback(click one time, playback one

Frame), slow playback, fast forward, audio control

E from left to right is scale up, Video clips(need to setup in the progress bar), screenshot, video download and zoom

## 4 Parameter Setting

## 4.1 Display Configuration

Click on Parameter Setting to open the page as below (preview setting page by default):



Name of channel: name of the IP camera

Display of channel: Choose to display or conceal it. defaults to Disable

Time display: Choose to display or conceal it.

Blinking control: Choose 50Hz, 60Hz or disable it.

Transparency: Choose transparency of display of name of channel and time on the preview frame (smaller value

indicates higher transparency)

**OSD:** the text in red color on the frame; you can locate display of the name of channel and time by dragging it in

the preview frame.

## **4.2 Image Control**

Click on Image Control in Display Configuration to open the following page:

				Live	Playback	Remote Setting	Local Setting	ው ወ
-	Display	Image Control	Refresh Default Save					
	Live	IR-CUT Mode	(GPIO Auto	<b>~</b>				
		IR-CUT Delay	2					
	Image Control	Flip 🔳 Mirror						
	Privacy Zone	Back Light Disable	IP Canera					
a	Record	3D Noise Reduction Auto	2016-04-14 15:21:47	-				
		Level	- 128	1				
Q	Network	WDR Disable			1			
	Alarm	White Balance Auto						
-	Device	Shutter Auto		<u>F</u>				
		Time Exposure 1/8		3	4			
i	System							
4	Advanced							

IR-Cut Model: Classified into GPIO Automatic, Colored, and Black-White models.

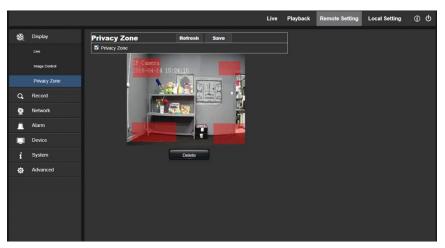
Delay: IR-cut switching delay.

Image rollovers: is there a flip horizontal and vertical flip

Image Control: backlight compensation, 3D noise reduction, WDR, automatic gain, shutter speed, exposure time

and white balance.

## 4.3 Video Blocking



Click on Video Blocking in Display Configuration to open the following page:

#### Procedure of setting video blocking:

- 1. Check Enable Video Blocking
- Press down and hold the left mouse button and drag out a area for video blocking (up to four areas at one time)
- 3. Click on Save to enable the video blocking area.

**Remove:** After clicking Refresh, choose a blocked area by clicking it and then click Remove and click Save to remove it.

## **5.Record Parameters**

#### 5.1. Rec Parameters

Click Rec Parameters under the menu Record, go to below page

			Live	Playback	Remote Setting	Local Setting	1
Oisplay	<b>Rec Parameters</b>	Refresh Save					
Q Record	Record Pack Duration	Enable (15Min					
Rec Parameters	Stream Type	Main Stream	× ×				
Schedule							
Q Network							
<u>ک</u> : Alarm							
Q Device							
System							
Advanced							

This function is to control the record, pre record and record type (main stream and substream)

## 5.2. Schedule

		Live Playback Remote Setting	Local Setting	<u>ن</u> (1)
8	Display	Schedule Refresh Default Save		
q	Record	Week Sun.		
	Rec Parameters			
	Schedule			
Q	Network			
à	Alarm	Normal Motion No Record		
Q	Device	Copy Sun. V To All V Copy		
Ø	System			
$\diamond$	Advanced			

Click Schedule under the menu Record, then go to the page as below

As image: one grid in the table is 30 minutes, green is normal record, yellow is motion detection alarm. User can setup according to private requirement to choose different record type and time.

## **<u>6. Network Parameters</u>**

#### **6.1 Network Parameters**

Click on Network Parameters in Network Parameter Menu to open the following page:

				Live	Playback	Remote Setting	Local Setting	
<b>\$</b>	Display	Network Setting	Refresh Save					
a	Record	Туре	OHCP	<b>~</b>				
		Client Port	9000					
Q	Network	HTTP Port	60					
	Network Setting	Mobile Port	8800					
		IP Address	(192.168.1.118					
	WillSet	Subnet Mask	(265.255.265.0					
	Video Streaming	Gateway	(192.168.1.1					
		DNS 1	(202.96.128.86					
	Email	DNS 2	(8.8.8.8					
	DDNS	UPNP	Disable	×				
	IP Filter							
	RTSP							
	Alarm							
Ę.	Device							
i	System							

Networking mode: DHCP (Automatically Acquired), Manually Configured and PPPOE; the default is DHCP

(Automatically Acquired)

Media port: Media port for IPC

Web port: Web port for IPC

Cell phone port: Port for connection of cell phone client

**IP address:** IP address of IPC

Subnet mast: Subnet mast of IPC

**Default gateway:** Default gateway of the device

Preferred/Alternate DNS server: Set DNS server

**UPNP:** Enable or disable UPNP function for the device (disable by default)

#### 6.2 WiFiSet

LAN search and add a wifi hotspot

					Live	Playback	Remote Setting	Local Setting	@ (
Ð	Display	WifiSet	Refresh	Save					
a,	Record	Wifi	Enable						
þ	Network	SSID Pass Phrase	(TP-LINK_1604						
Ŧ		-	NO. SSID		MAC Address	1			
	Network Setting	1	Raysharp	Level 100	70-19-6d-28-91-4(				
	WitiSet	2	Raysharp	100	70-19-6d-28-91-5(				
	Video Streaming	3	TPGuest_1604	100	e-d7-33-10-16-4				
	Email 4	wohenshuai	86	d8-15-d-d8-b6-18					
		5	Raysharp	86	70- <del>1</del> 9-6d-2b-3b-9(				
	DONS	6	SM-G9200 Raysharp	69	90-b6-86-ee-6e-c 70-f9-6d-28-90-9(				
	IP filter		Kaysnarp	69	70-19-60-20-90-91	1			
						-			
"1	Alarm								
	Device								
i	System								

#### 6.3 transcode settings

Click on Bit Stream Setting in Network Parameter Menu to open the following page:

Q, R Q N N N	Nsplay Lecord letwork setwork Setting NMSet	MainStream Resolution FPS Audio I Frame Interv	MainStream am	SubStream Refresh 1280x720 15	MobileStream Save	■		
9 N N N	letwork Network Setting	Resolution FPS Audio	am	(1280x720 (15	Save			
N	Vetwork Setting	FPS Audio		(15				
v		Audio				🗸 (fps)		
v		I Frame Interv		Enable				
	MitSet		al l	25	(1~100)			
		Bitrate Control		VBR				
	video Streaming			Good		<b>×</b>		
	Email	Quality		Pre_Defined				
	xons			2048				
	ANS .							
	P Filter							
R	RTSP							
	EEE							
<u>A</u>	Jarm							
<b>D</b>	levice							

By default the available bit streams are: main bit stream, sub-bit stream and cell phone bit steam.

You can set resolution, frame rate, video encoding, encoding level, audio, I frame interval, variable frame rate and bit stream size respectively for main bit stream, sub-bit stream and cell phone bit steam.

**Resolution:** Set resolutions respectively for bit streams: The highest resolution for main bit stream is  $1280 \times 720$ . The higher resolution for sub-bit stream is  $640 \times 480$ . The only resolution available for cell phone bit steam is  $320 \times 480$ . Frame rate: When refresh rate is 50Hz, the maximum available frame rate is 25 fps. When refresh rate is 60Hz,

the maximum available frame rate is 30 fps.

Audio: Enable audio for each bit stream.

I frame interval: Set I frame interval.

Bitrate control: Set constant or variable bitrate for bit stream.

Bit stream: Set bit stream value by choosing fixed value or customizing it.

Note: Range of main bit stream is32-8192.

Range of sub-bit stream is 32-4096.

Range of cell phone bit steam is 32-1024.

#### **6.4 E-Mail Configuration**

Click on E-Mail Configuration in Network Parameter menu to open the following page:

				Live	Playback	Remote Setting	Local Setting	(
æ	Display	Email	Refresh Save					
a,	Record	Email	Enable	×				
		SSL	Disable	×				
ē	Network	SMTP Port	25					
	Network Setting	SMTP Server	smtp.sina.com					
		Sender	sg429324501@sina.com					
	WilSet	Sender Password						
	Video Streaming	Receiver 1	(1090506263@qq.com					
	Email	Receiver 2	2209416633@qq.com					
	Email	Receiver 3	2509006593@qq.com					
	DONS	Interval	(1Min	×				
	IP Filter							
	RTSP							
	FTP							
	EEE							
1	Alarm							
_	Device							

E-Mail Configuration: mail service setting - used with alarm function to upload images snapped to the mail server.

Enable e-mail: Enable or disable e-mail function.

Port: The default port number is 25 (mail serve port).

**SMTP server:** Enter the address of mail server.

Address of sender: Address of sending mailbox

Password of sender: Password of sending mailbox

Address of recipient: Address of receiving mailbox,( can add 3 to receive email address)

Time interval: Time interval for sending mail (1 minute, 3 minute, 5 minute, 10 minute)

## **6.5 DDNS Configuration**

Click on DDNS Configuration in Network Parameter menu to open the following page:

DDNS configuration: Dynamic DNS configuration - used with server for access from an extranet.

				Live	Playback	Remote Setting	Local Setting	
ŧ£	Display	DDNS	Refresh Save					
a,	Record	DDNS	Enable	✓				
		Server	(3322	×				
9	Network	Host Name	ary.f3322.org					
	Network Setting	User Name	jaryfly					
	WillSet	Password						
	waset		Test DDNS					
	Video Streaming							
	Email							
	IP Filter							
	RTSP							
	IEEE							
1	Alarm							
	Device							

Enable DDNS: Enable or disable it.

Address of server: Choose "3322".

Name of host: Enter the name of active server

User name: Name of the user

Password: Password of the user

## 6.6 IP Filtering

Click on IP Filtering in Network Parameter menu to open the following page:

						u	ve Playbac	k Remote Setting	Local Setting	
-	Display	IP Filter		Refresh	Save					
a,	Record	Filter Mode		(Allow all IP conne	iction	~				
Q	Network	NO.	Add	IP Address		Del Enable				
	Network Setting	1		192.168.1.109	×					
	WitSet									
	Video Streaming									
	Email									
	Email									
	DDNS									
	dons IP Filler									
	dons IP Filler RTSP									
	ddns IP Filler RTSP FTP									

**Filtering mode:** Three modes are available (Allow all IP connections, Allow all IP connections as set, Forbid IP connection as set).

Add: Add any allowed or forbidden IP address

Delete: Delete any IP address added previously

## 6.7 RTSP

					Live	Playback	Remote Setting	Local Setting	٢
-	Display	RTSP	Refresh	Save					
a	Record	RTSP	Enable		×				
		RTSP Port	554						
9	Network		n : rtsp://IP:Port/A						
	Network Setting		0(MainStream), 1(SubS		eStream)				
	WifiSet	(1	Change the parameters v	vill restart.)					
	Video Streaming	-							
	Email								
	DONS								
	IP Filter								
	IEEE								
	Alarm								
	Device								

Click on RTSP in Network Parameter menu to open the following page:

**RTSP Enabling:** Enable or disable RTSP. RTSP is enabled by default. After it is disabled, it will not be found with ONVIF.

RTSP Port: The default port number is 554, and can be changed to another value between 1024 and 65535.

Modification to the parameter will restart the system.

#### **Operation Instructions:**

For IP cameras of 3MP/4MP Series: rtsp://IP:Port/ch00/A A:0 (main bit stream), 1(sub-bit stream), 2 (cell phone

bit stream)

For IP cameras of 2MP Series: rtsp://IP:Port /A A:0 (main bit stream), 1(sub-bit stream), 2 (cell phone bit stream)

#### 6.8 FTP

Click on FTP in Network Parameter menu to open the following page:

				Live	Playback	Remote Setting	Local Setting	
Ð	Display	FTP	Refresh Save					
a	Record	FTP	Enable	~				
		User Name	user					
<b>P</b>	Network	Password						
	Network Setting	Server	192.168.1.109					
	WilSet	Port	21					
	WINDER.	Upload Interval	(1min	~				
	Video Streaming	I Transfe	r Images					
	Email							
	DDNS							
	IP Filter							
	IP Filter RTSP							
	RTSP							
	rtsp FTP							

FTP: FTP service setting - used with alarm function to upload images or videos snapped to the FTP server.

FTP:Enable or disable it.

User name: The user name for access to FTP service

Password: The password for access to FTP service

FTP Server: Enter the address of FTP server.

**Port:**FTP service port number; the default number is 21.

Transmit Image: Check it to transmit image

## 7. Alarm Parameter

#### 7.1 Mobile Detection

Click on Mobile Detection in Alarm Parameter menu to open the following page:

				Live	Playback	Remote Setting	Local Setting	ڻ ف	þ
⊗	Display	Motion	Refresh Save						
a,	Record	Enable							
Q	Network	Sensitivity 5 V	IP Camera <b>de la compa</b>		1				
÷ù:	Alarm	Record Time 5S V							
	Motion	Mail Notification     Jupload Image To FTP		194 1 N 14					
Q	Device	Push Notification	112332						
ź	System	Lilumination Ring     Audio Alert		1					
≎	Advanced	Audio Doorbell V			]				
		Duration 10S Y	Clear All						

#### **Procedure of setting Mobile Detection:**

- 1. Check Enable Mobile Detection.
- 2. Press down and hold the left mouse button and drag out an area for mobile detection.
- 3. Set the sensitivity for mobile detection (ranging from 1 to 8; larger value indicates higher sensitivity).
- 4. Used with SMTP to enable mail delivery.
- 5. Click on Save to apply the settings.
- 6. Record: Record time (5s.10s.20s.30s)
- 7. Mail Notification
- 8. Upload image To FTP

- 9. Push Notification
- 10. Liiumination Ring
- 11. Audio Alert: Audio (Doorbell . Ringtone Siren) default for the door bell ring

Duration: 10s.30s.60s

(Note: When any object moves within the target area, a letter "M" in green color will be displayed on the preview

frame)

## 8. Device

It includes SD Card (optional function) Logs and Audio. Their interfaces and functions are described below.

## 8.1 SD Card (optional function)

Click SD Card under the menu Device, then go to below page

								Live	Playback	Remote Setting	Local Setting	
⊗	Display	SD Card			Refresh	Save						
q	Record	NO.	State		Free / Total (G	i)	Free Time					
Q	Network	1 SD Card Ove	OK	Aut	120G / 122G o		65Hour	<u>~</u> ]				
à	Alarm											
Q	Device	NO.		Fo 1	rmat SD Car		SD Card F	ormat				
	SD Card											
	Log											
	Audio											
Ø	System											
ф	Advanced											

Insert SD card to device, system will auto detect the total capacity and balance capacity of SD card and give The information of time to record

SD Card Overwrite: when the capacity of SD card is 0, new recorad will overlap previous record(this function is default on)

SD Card Format: to format SD card

## 8.2 Logs

Click on Logs in Device menu to open the following page:

						Live	Playback	Remote Setting	Local Setting	(1)
8	Display	Log Info		Refresh	Delete	Search	٦			
a	Record	Log Type	(	All Log		<u>~</u>				
		Begin Time	2016 🗸	4 💙 16 🌱		00 00 00				
Q	Network	End Time	2016 ~	4 🗸 16 🗸		23 : 59 : 59				
ò.	Alarm	No.	Log Info		Time					
_	Device		Set parameter.		2016-0	4-16 11:17:23				
모	Device	2	admin(192.168.1.109)	login.	2016-0	4-16 11:17:22				
	SD Card		Motion detection alarn	n.	2016-0	4-16 11:00:38				
	Log		Set parameter.			4-16 11:00:35				
	Log		Set parameter.		2016-0	4-16 10:59:38				
	Audio		Set parameter.			4-16 10:59:04				
Ø	System		Set parameter.			4-16 10:57:00				
-			Set parameter.			4-16 10:56:11				
۵	Advanced		admin[192.168.1.109]	login.		4-16 10:56:35				
		10	Set parameter.		2016-0	4-16 10:54:18				
				ក	rst Pre 1	2 3 Next La	st			

**Log Type:** Eight types of logs are available - system logs, network logs, parameter logs, alarm logs, user logs, recording logs, storage logs and all logs). Choose the starting and ending date/time for retrieval.

Click on "Search" to retrieve and display related logs in the table below.

Click on "Delete" to delete all device logs.

Click on "Refresh" to refresh the logs selected.

#### 8.3 Audio

Click on Audio in Device menu to open the following page:

				Live	Playback	Remote Setting	Local Setting	ወ ወ
⊗	Display	Audio Setting	Refresh Save					
a	Record	Enable Audio						
		Output Volume	10	✓				
Q	Network	Input Volume	(10	<b>~</b>				
à	Alarm	Audio Code Type	G.711A	<b>∼</b>				
_ Q	Device	Encode Bitrate		<u>~</u>				
Ŧ	SD Card							
	Audio							
Ø	System							
٥	Advanced							

Procedure of setting Audio:

Check Open Audio option to access audio setting, and set audio input/output volume (ranging  $0\sim10$ ), and then click on Save to save the parameters set.

## 9. System Parameters

System parameters include Basic Information, User Configuration and System Information. Their interfaces and functions are described below.

#### 9.1 Basic Information

Click on Basic Information in System Parameters mnu to open the following page:

⊗	Display	Date/Time	Refresh Save
Q	Record	System Time	2016-4-16 12 : 04 : 10
0		Date Format	YY-MM-DD
<u>ହ</u>	Network	Time Format	24Hour
à	Alarm	ODST ONTP OSy	nchronize With Computer Time
Q	Device		
Z	System		
	Date/Time		
	Users		
	Info		
≎	Advanced		

The device time, system time, date format and time format contained in the basic information can be manually set and saved.

Three automatic time correction functions are provided in this device.

**DST:** Check Daylight Savings Time (DST) option to enable

DST correction.

The device will correct the time based on the time deviation as set.

**NTP:** Check Enable NTP option, input the address of time server and choose a time zone and then save the setting. The system will correct time in accordance with the time server.

**Sync with PC Time:** The device will use PC as a time server to correct time.

ODST ONTP OSynchronize With Computer Time								
Z Daylight Saving Time								
Daylight Saving Time		Week	$\checkmark$					
Time Offset		(1Hour	✓					
Start Time	Ma	r. 🗸 The 2nd 🗸 Sun. 🗸	02 : 00 : 00					
End Time	No	/. ✔ The 1st ✔ Sun. ✔	02 : 00 : 00					

ODST ONTP	O Syr	nchronize With Computer Time
Enable NTP		
Server Address		time.windows.com
Time Zone		GMT+08:00

ODST ONTP OS	nchronize With Computer Time
System Date	2015-07-16
Time	09:29:20

## 9.2 User Configuration

Click on User Configuration in System Parameters menu to open the following page:

8	Display	Use	rs		Refresh	Save		
q	Record	NO.	User Name	Password	Active	User Name:	admin	
4	Record	1	admin	Enable	Enable			
Q	Network	2	user1	Disable	Disable	Password:	•••••	
		3	user2	Disable	Disable	Confirm:	•••••	
Ù.	Alarm	4	user3	Disable	Disable		Enable	~
		5	user4	Disable	Disable	Active:	LITADIE	~
Q	Device	6	user5	Disable	Disable	Password:	Enable	~
ź	System	7	user6	Disable	Disable			
	Date/Time Users							
	info							
٥	Advanced							

Here you can set user access authority and login password.

## 9.3 System Information

Click on System Information in System Parameters menu to open the following page:

Q. Record       Device Name       IPCamera         Q. Network       Device ID       000001         Device ID       000001       Device ID         Device Type       (PLM00       IE         Device       IE Client Version       V(1.0.1.1-160130         DeterTime       00-23-63-5E-15-CC       IE         DeterTime       RSVT1507000165708       P2P ID         P2P ID       III Device ID       III Device ID	😵 Display	Info	
Q         Network         Device ID         000001           ::         Alarm         Device Type         PLM00           ::         Alarm         V001         Software Version         V001           Q         Device         IE Client Version         V1.0.1.1.160130         IE           Q         Device         IE Client Version         V1.0.0 65         IE           Users         MAC Address         00-23-63-5E-15-CC         IE           Users         P2P ID         Image: P2P ID         Image: P2P ID		Device Name	IPCamera
·	~	Device ID	000001
	Q Network	Device Type	PLM00
Software Version     (v1 0.1 1.160130       Image: Client Version     (v1 0.0 65       System     MAC Address     (0.23-63-5E-15-CC       Date/Time     (RSVT1507000165708       Users     P2P ID	.ḋ. Alarm	Hardware Version	V001
It: Client Version     (V1.00.65       System     MAC Address     (0-23-63-5E-15-CC       Date/Time     (RSVT1507000165708       Users     P2P ID		Software Version	V1.0.1.1-160130
Date/Time     (RSVT1507000165708)       Users     P2P ID	Q Device	IE Client Version	V1.0.0.65
Date/Time Uses Info	Z System	MAC Address	00-23-63-5E-15-CC
		P2P ID	(RSVT1507000165708

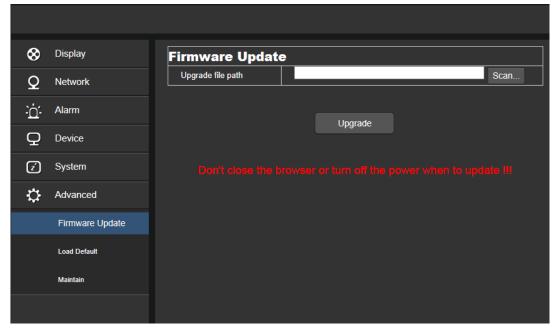
Here some system information on the device will be displayed, including device type, MAC address and software version.

## 10. Advanced

It includes System Update, Default Parameters and System Maintenance. Their interfaces and functions are described below.

### **10.1 System Update**

Click on System Update in Advanced menu to open the following page:



Update will be unavailable if the update files do not match the target device.

## **10.2 Default Parameters**

Click on Default Parameters in Advanced menu to open the following page:

			Liv
<b>B</b>	Display	Load Default Save	
ē	Network	Display     Network	
Ä	Alarm		
	Device	Device	
i	System	System Advanced	
۵	Advanced		
	Firmware Update		
	Load Default		
	Maintain		

Check relevant options and click on Save to recover the default factory settings for the options as checked.

## **10.3 System Maintenance**

🚷 Display	Maintain	Refresh Save
Q Network	Auto Reboot	Enable
<u>`</u> Alarm	Reboot	Every Week V Sun. V 00 : 00 : 00
Q Device		REDUI
Z System		
Advanced		
Firmware Update		
Load Default		
Maintain		

Click on System Maintenance in Advanced menu to open the following page:

Here you can set regular restart or manual restart of the device.

#### FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the

instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -- Reorient or relocate the receiving antenna.
- -- Increase the separation between the equipment and receiver.
- -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -- Consult the dealer or an experienced radio/TV technician for help

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

## Warranty Card

Dear User:

Thanks for purchasing our product, in order to ofter you better after sails service. Please fulfill the Warranty Card and Product Registration Card carefully, then send the completed card to franchiser or our Exclusive Sales Agent.

Product Description:\_\_\_\_\_

Product Model No.:\_\_\_\_\_ Date of Purchase:

Date of Purchase

Invoice(P/O) No.:

User Name:

Telephone:\_\_\_\_\_\_ FAX: \_\_\_\_\_

Address: \_\_\_\_\_\_ E-Mail: \_\_\_\_\_

Franchiser or exclusive sales agent: \_\_\_\_\_\_ Telephone: \_\_\_\_\_

q	Repair Date	Repair Item	Person
Record			
ty R€			
an			
Warr			
>			

Remark: 1)Presentation of Warranty items, please refer to back.

2)The card will be valid after 15 days of purchase when the franchiser or Exclu - sive sales agent chop.

----- Cut along the dashed ------

## **Product Registration Card**

Product Description:
Product model No.:
Date of Purchase:
Invoice(P/O) No.:
User Name:
Telephone: FAX:
Address: E-Mail:
Franchiser or exclusive sales agent:
Telephone:

## **Product Warranty Presentation**

#### Warranty Period:

Since the date of purchase. Exchange service after 3 months of purchase, repair service after 1 year of purchase.

#### Warranty items:

1 Before you use the product, please read <User s Manual> carefully.

2 You can share the Warranty service after you buy our product and send the completed card to our franchiser or exclusive agent.

3 Based on the Warranty items ,you can share free charge repair service only when you show the card under right operation of the product. 4 Please reserve /keep the Warranty card carefully if you need us repair the product. 5 you are charged for repairing under below condition

1)Beyond the Warranty period

2)no detailed fulfill information with scratches.3)wrong operation under high

temperature/pressure,deep;strong electrimagnetic interference.

4)Do not follow the instruction manual or wrong operation

6 we will ignore product, under below condition. 1)Dismental repair by themselves.

2)Problem caused by software or virus.

7The card is only valid in China domain.

----- Cut along the dashed ------

Your suggestion on our product is highly appreciated. We will keep tracing and developing to product high quality product for you.

Thanks for your co-operation

Suggestion

Yours