

Web interface



All user manuals are available at <http://www.legrandoc.com>

All firmware is available at <https://productregistration.legrand.com/en/support/>

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1 Connection

1.1 Windows

The web interface can be accessed via a web browser (Internet Explorer, Google Chrome or Mozilla Firefox).

Step 1: Open the browser.

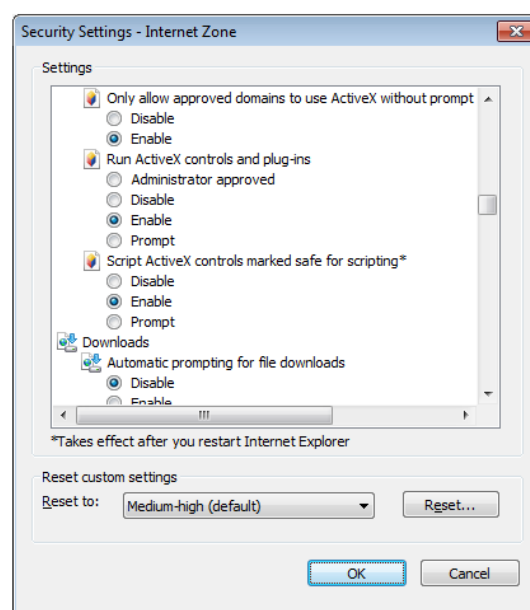
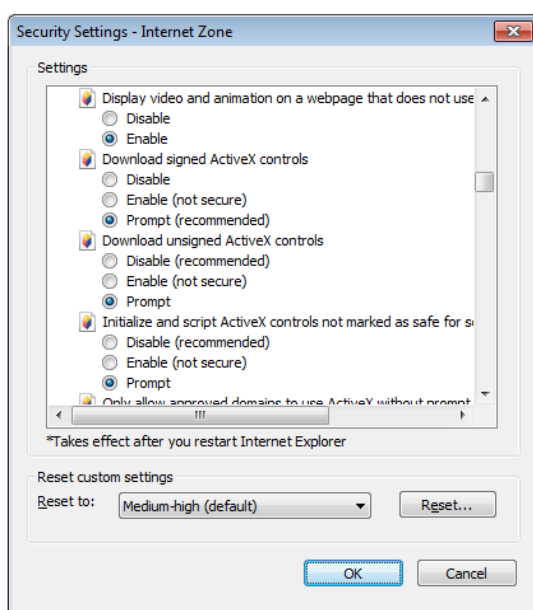
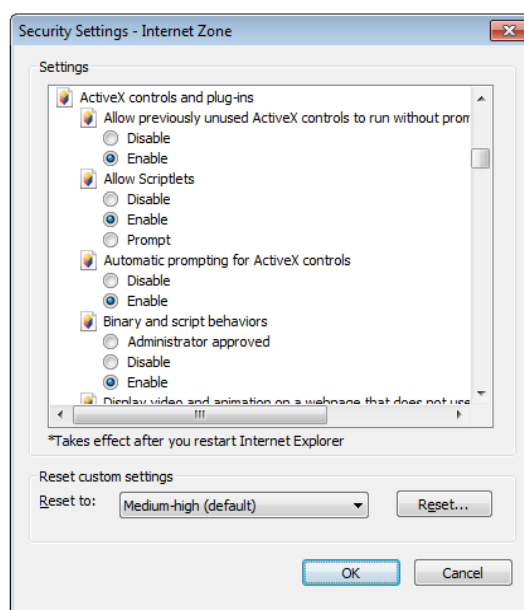
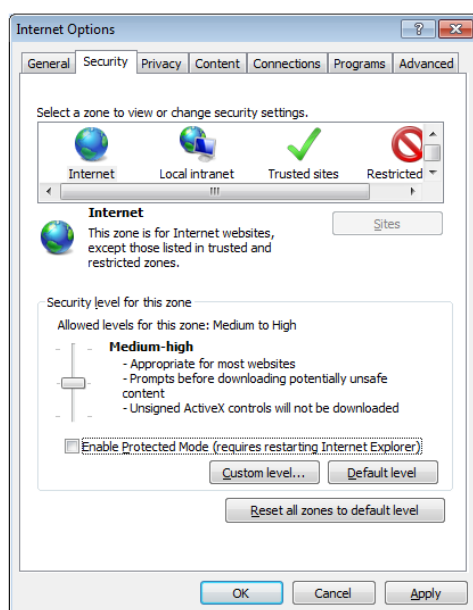
Step 2: Enter the IP address of the product in the address bar (default address: 192.168.1.168).



Step 3 (IE only): If the system displays a warning message asking you to install the RSVideoOcx.cab module, click on the “OK” button. The system will install it automatically.

Step 3 (Chrome and Firefox): If the system displays a warning message asking you to install the WebPlugin_xxx.exe module, click on the “OK” button. The system will install it automatically.

Step 4 (IE only): If the file does not install, lower the Internet Explorer security level (see the example below) or disable the phishing filter. Check that you have administrator rights on the Windows session.



Step 5: Enter your user name and password.

Step 6: Click on “Login”.

1.2 Mac

The web interface can be accessed via the Safari web browser.

Step 1: Open Safari.

Step 2: Enter the IP address of the product in the address bar (default address: 192.168.1.168).



Step 3: If the system displays a warning message asking you to install the WebPlugin_xxx.dmg module, click on the "OK" button. The system will install it automatically.

Step 4: Enter your user name and password.

Step 5: Click on "Login".

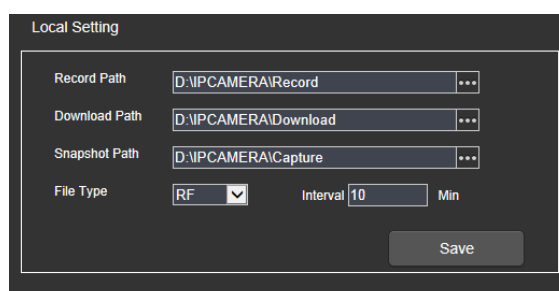
2 Preview

In the login box you can choose a language for the IE client. Enter your user name (admin by default) and password (admin by default) and then press OK to open a preview frame as shown below:



Button	Function
	Color setting button, for setting of color, brightness, contrast, saturation and sharpness of the frame.
Remote Setting	Access to device setting menu, for customized setting of various device parameters.
Local Setting	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.
	Preview frame ratio adjustment, toggling between Original Ratio and Automatic Ratio.
	Preview control buttons - Zoon-In/Out, Open Video, Snap and Sound On/Off, arranged from the left to the right.
MainStream SubStream MobileStream	Dynamic switching of bit stream for the preview frame.

Click Local Setting 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 (RF by default, in H265 encoding) and video recording duration.



3 Parameter setting

3.1 Display Configuration

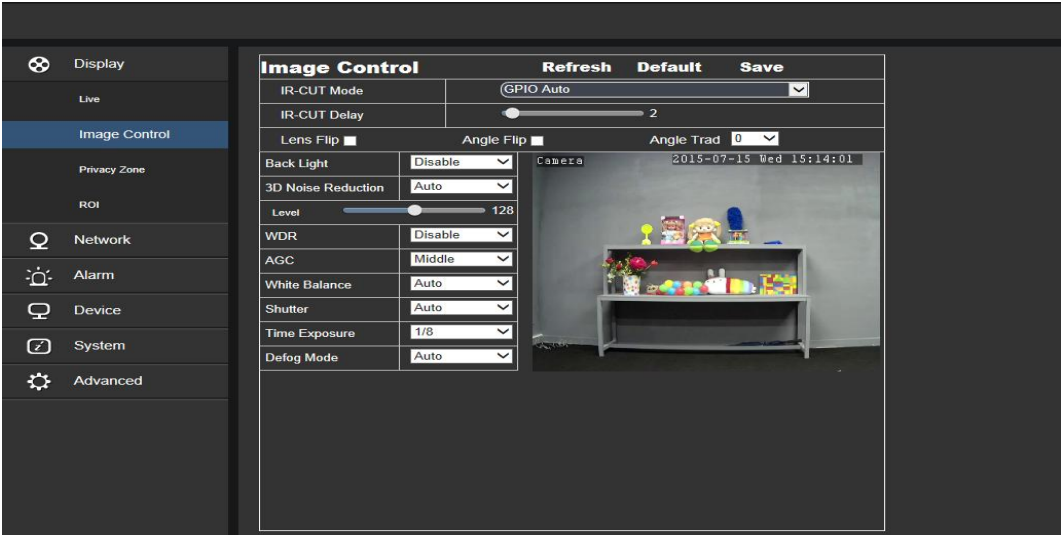
Click on Remote Setting to open the page as below (preview setting page by default):



Item	Function
Name	Name of the IP camera
Channel Display	Choose to display or conceal it.
Time Display	Choose to display or conceal it
Flicker 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.

3.2 Image Control

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

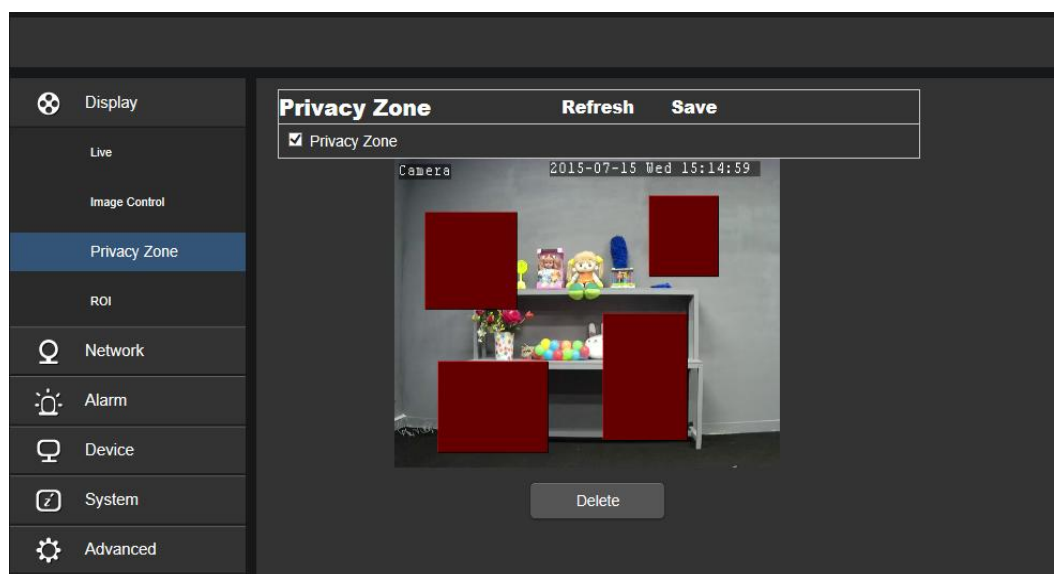


Item	Function
IR-Cut Mode	Classified into GPIO Automatic, Colored, and Black-White models
IR-Cut Delay	IR-cut switching delay
Lens Flip	Vertical or horizontal flip-over and rotation angle (0°, 90°, 180°, 270°)
"Image Control"	Backlight compensation, 3D noise reduction, WDR, automatic gain, shutter speed, exposure time and de-moist model.

Note: Image rotation and de-moist are unavailable in IP camera of 2MP.

3.3 Video Masking

Click on Privacy Zone in Display to open the following page:



Procedure of setting video masking:

Check Privacy Zone.

Press down and hold the left mouse button and drag out a area for video blocking (up to four areas at one time)

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.

3.4 ROI (if applicable)

Click on ROI in Display to open the following page:



Procedure of setting ROI:

Choose an area of application

Press down and hold the left mouse button and drag out a ROI area (only one ROI can be set for each area)

Click on Save to apply the ROI area.

Item	Function
Stream Type	Choose bit stream effective for ROI among Main Stream, Sub Stream and Mobile Stream
Region ID	Up to 8 ROI areas can be set in one bit stream
Enable Region	Enable or disable ROI area
Region Image QP	Set quality of the image in the area (relative quality, absolute quality)
ROI Level	Set ROI level in one bit stream; larger value indicates higher-quality image in ROI area (1~6 Levels)
Non-ROI Fps	Set frame rate out of ROI area; smaller value indicates higher-quality image in ROI area. Range of frame rate is in relation to video standard and resolution. (Note: Different non-ROI frame rates may be allocated to different ROI areas, but the minimum value among them is used as the frame rate to be applied for the non-ROI area on the preview frame.)

4 Network Parameters

4.1 Network Setting

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

Network Setting		Refresh	Save
Type	Static		
Client Port	9988		
HTTP Port	80		
Mobile Port	18004		
IP Address	192.168.1.50		
Subnet Mask	255.255.255.0		
Gateway	192.168.1.1		
DNS 1	192.168.1.1		
DNS 2	0.0.0.0		
UPNP	Enable		

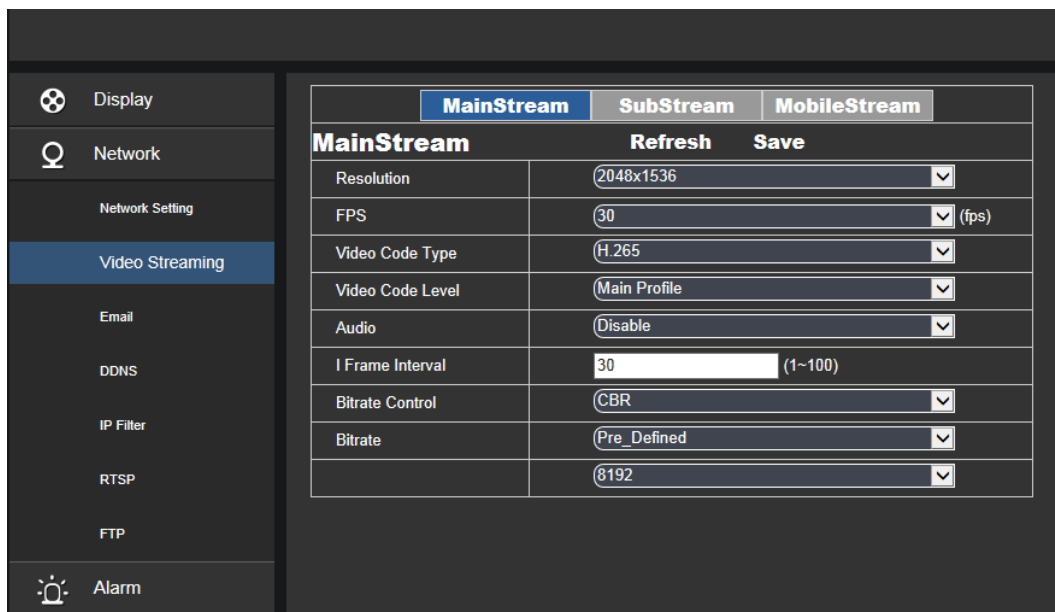
Port Range: 1024-65535
(Media port, web port, mobile phone port)

Item	Function
Type	DHCP (Automatically Acquired), Manually Configured and PPPOE; the default is Manually Configured
Client Port	Media port for IPC
Mobile Port	Port for connection of cell phone client
HTTP Port	Web port for IPC
IP Address	IP address of IPC
Subnet Mast	Subnet mast of IPC
Gateway	Default gateway of the device
DNS 1 / DNS 2 (Preferred/Alternate DNS server)	Set DNS server
UPNP	Enable or disable UPNP function for the device (enabled by default)

Note: To enable UPNP, the media/web/cell phone port should be set to a value between 1024-65535; the media port is used for connection of proprietary cell phone client; cell phone port is used for connection of the mobile client.

4.2 Bit stream setting

Click on Video Streaming in Network Menu to open the following page:



By default the available bit streams are: MainStream, SubStream and MobileStream.

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 stream.

Item	Function
Resolution	Set resolutions respectively for bit streams: The highest resolution for main bit stream is 2048×1536. The higher resolution for sub-bit stream is 704×480. The only resolution available for cell phone bit stream is 320×480.
FPS (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.
Video Code	Set video encoding (H265/H264) for each bit stream.
Audio	Enable audio for each bit stream.
I Frame Interval	Set I frame interval.
Bitrate Control	Set constant or variable bitrate for bit stream.
Bitrate	Set bit stream value by choosing fixed value or customizing it. Note: Range of main bit stream is 256-8192. Range of sub-bit stream is 128-4096. Range of cell phone bit stream is 8-1536.

Note: Video encoding and encoding level are unavailable in setting page of IP camera of 2MP Series.

4.3 E-Mail Configuration

Click on Email in Network menu to open the following page:

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

Item	Function
Email	Enable or disable e-mail function.
SMTP Port	The default port number is 25 (mail serve port).
SMTP Server	Enter the address of mail server.
Sender	Address of sending mailbox.
Sender Password	Password of sending mailbox.
Receiver	Address of receiving mailbox.
Interval	Time interval for sending mail (1 minute, 3 minute, 5 minute, 10 minute).
Test Email	Click it to test whether the mailbox is configured properly by sending a test mail to the recipient's mailbox.

4.4 DDNS Configuration

Click on DDNS in Network menu to open the following page:
DDNS : Dynamic DNS configuration - used with server for access from an extranet.

Display

Network

Network Setting

Video Streaming

Email

DDNS

IP Filter

RTSP

FTP

Alarm

DDNS

RefreshSave

DDNS

Enable

Server

3322

Host Name

jary.f3322.org

User Name

jaryfly

Password

.....

Test DDNS

Item	Function
DDNS	Enable or disable it.
Server	Choose "no-IP"
Host Name	Enter the name of active server
User Name	Name of the user
Password	Password of the user

4.5 IP Filtering

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

Display

Network

Network Setting

Video Streaming

Email

DDNS

IP Filter

RTSP

FTP

Alarm

IP Filter

RefreshSave

Filter Mode

Allow the settet IP connection

Add

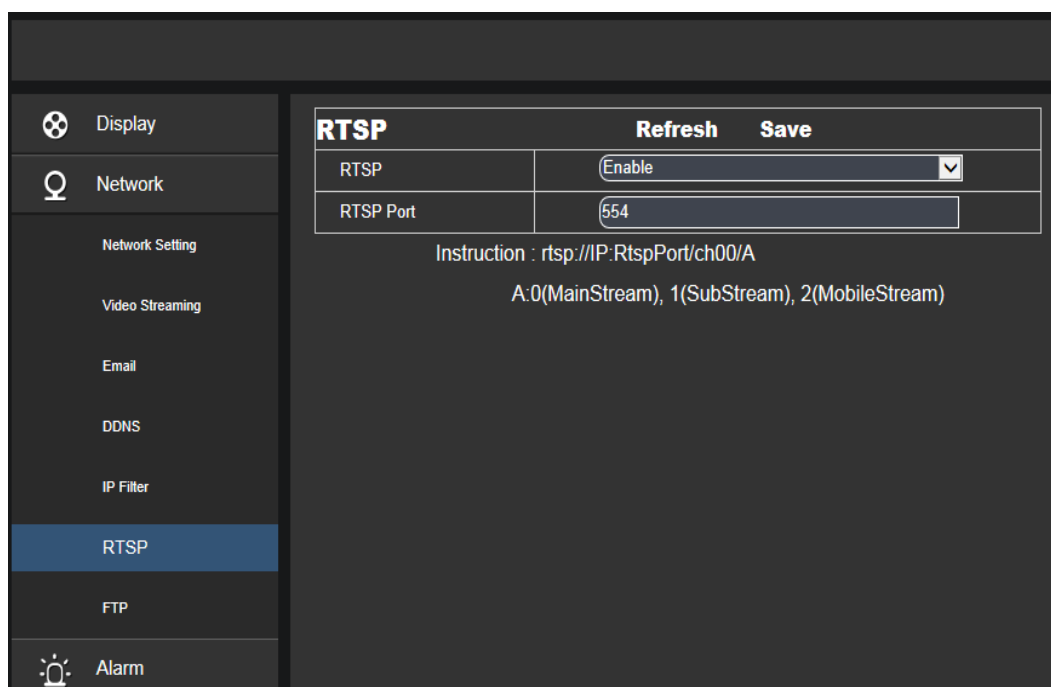
Del

NO.	IP Address	Enable
1	192.168.1.77	☒

Item	Function
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
Del	Delete any IP address added previously

4.6 RTSP

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



Item	Function
RTSP	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.

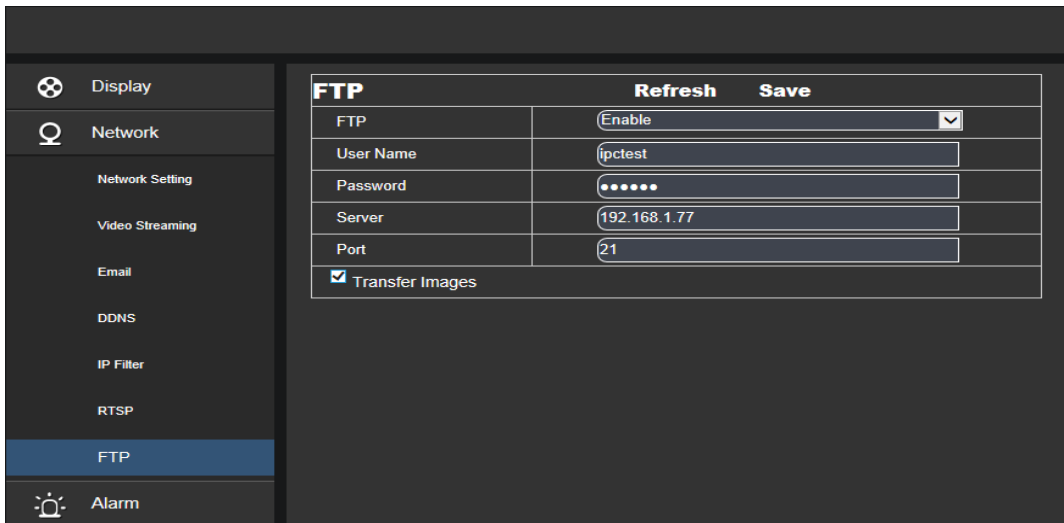
For IP cameras of 3MP Series: rtsp://IP:Port/ch00/A A:0 (main bit stream), 1(sub-bit stream), 2 (cell phone bit stream)

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

4.7 FTP

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

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



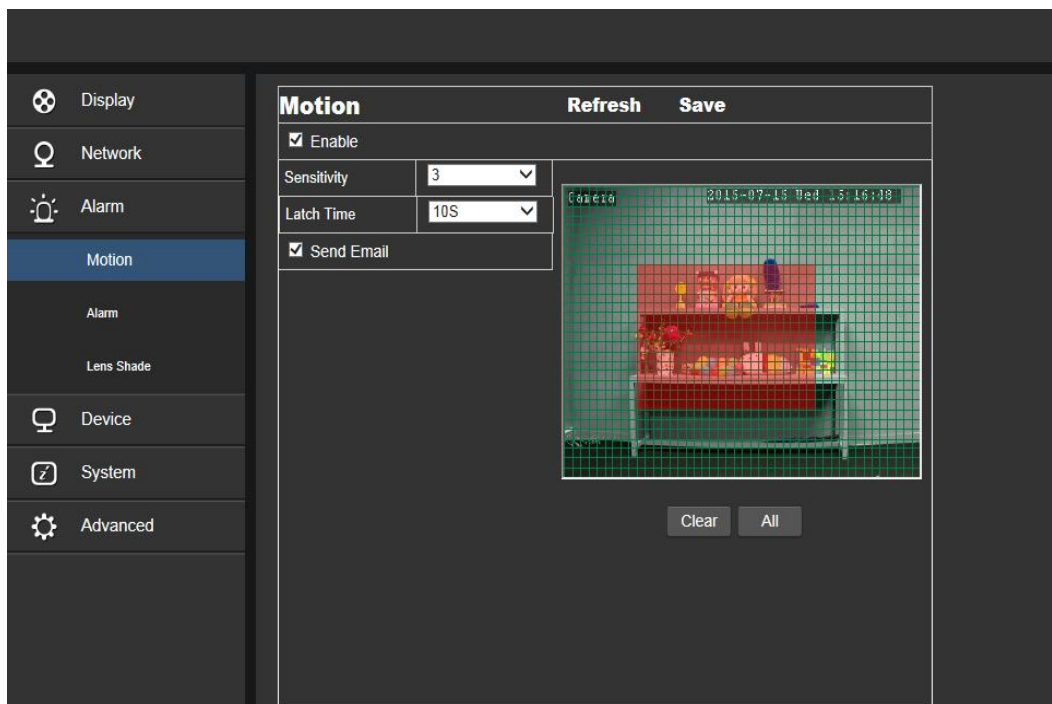
FTP		Refresh	Save
FTP	Enable		
User Name	ipctest		
Password			
Server	192.168.1.77		
Port	21		
☒ Transfer Images			

Item	Function
FTP	Enable or disable it.
User Name	The user name for access to FTP service
Password	The password for access to FTP service
Server	Enter the address of FTP server.
Port	FTP service port number; the default number is 21.
Transfer Images	Check it to transmit images

5 Alarm Parameter

5.1 Motion Detection

Click on “Motion” in Alarm menu to open the following page:



Procedure of setting Motion Detection:

Check Enable.

Press down and hold the left mouse button and drag out an area for Motion detection.

Set the sensitivity for Motion detection (ranging from 1 to 8; larger value indicates higher sensitivity).

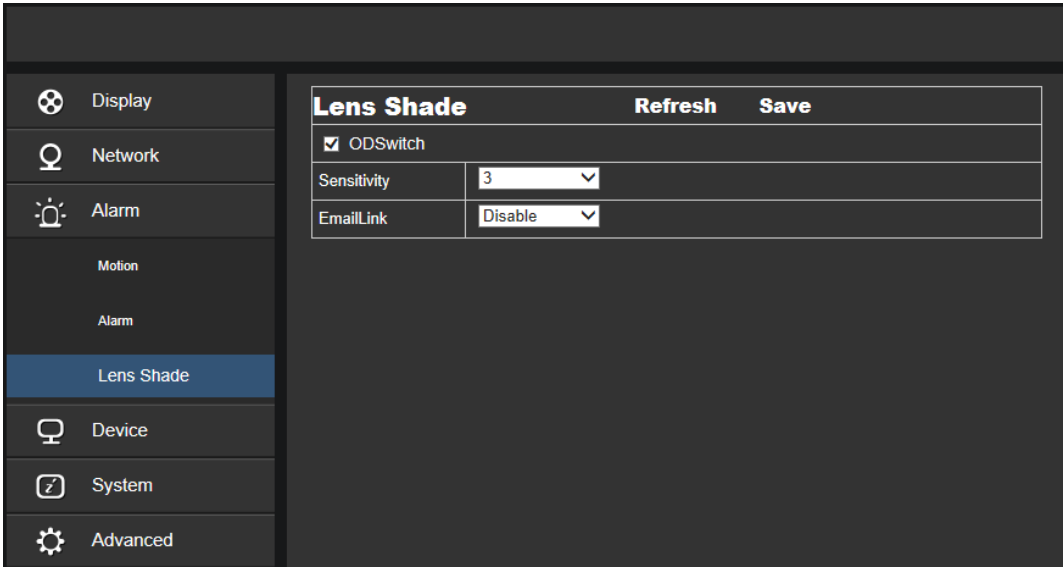
Used with SMTP to enable mail delivery.

Click on Save to apply the settings.

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

5.2 Lens Shade

Click on Lens Shade in Alarm menu to open the following page:



Check ODSwitch option (checked by default) to activate Sensitivity Level and Email Linkage options.

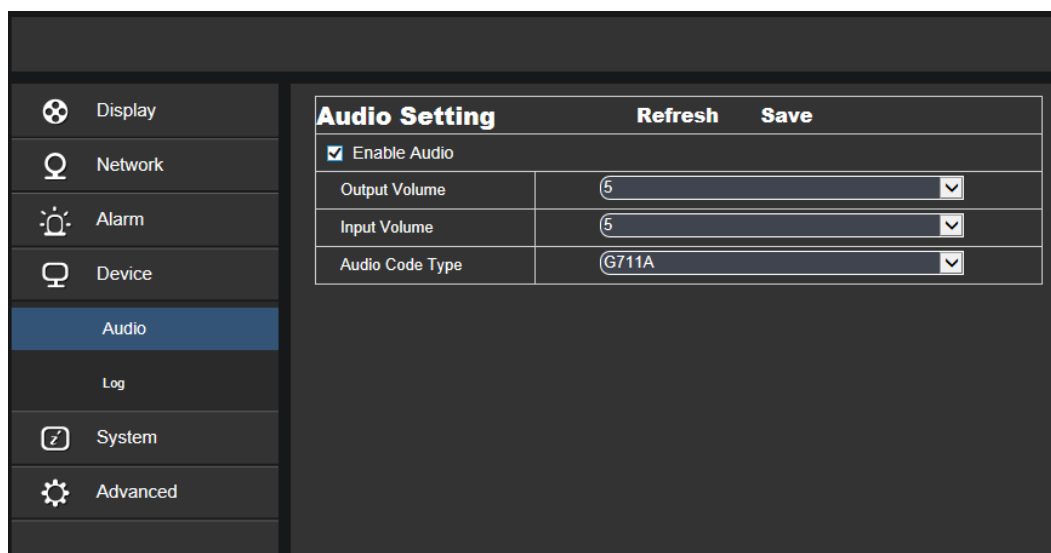
Item	Function
Sensitivity	Set security level for lens blocking (Level 1~8; larger value indicates higher security level)
EmailLink	It is disabled by default. After enabled, it may be used with SMTP to enable mail delivery

6 Device

It includes Log and Audio. Their interfaces and functions are described below.

6.1 Audio (if applicable)

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



Audio Setting		Refresh	Save
☒ Enable Audio			
Output Volume	5		
Input Volume	5		
Audio Code Type	G711A		

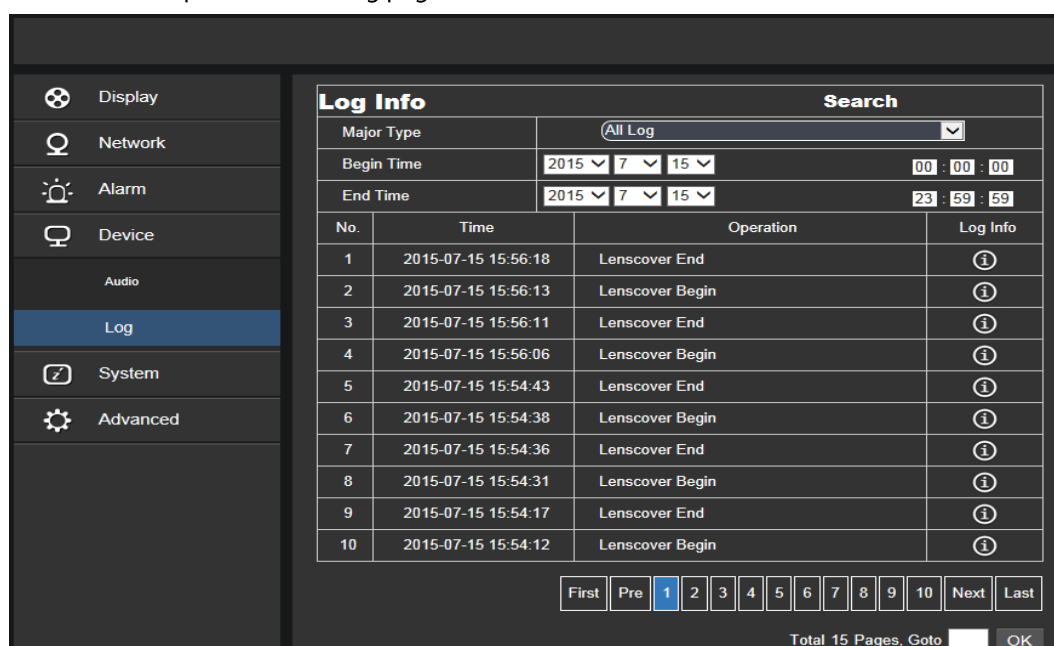
Procedure of setting Audio:

Check Open Audio option to access audio setting, and set audio input/output volume (ranging 0~10), and then click on Save to save the parameters set.

(Note: For application of audio function, the audio option in Bit Stream Setting needs to be enabled)

6.2 Logs

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



Log Info		Search	
Major Type	All Log		
Begin Time	2015 7 15	00 : 00 : 00	
End Time	2015 7 15	23 : 59 : 59	
No.	Time	Operation	Log Info
1	2015-07-15 15:56:18	Lenscover End	①
2	2015-07-15 15:56:13	Lenscover Begin	①
3	2015-07-15 15:56:11	Lenscover End	①
4	2015-07-15 15:56:06	Lenscover Begin	①
5	2015-07-15 15:54:43	Lenscover End	①
6	2015-07-15 15:54:38	Lenscover Begin	①
7	2015-07-15 15:54:36	Lenscover End	①
8	2015-07-15 15:54:31	Lenscover Begin	①
9	2015-07-15 15:54:17	Lenscover End	①
10	2015-07-15 15:54:12	Lenscover Begin	①

First Pre 1 2 3 4 5 6 7 8 9 10 Next Last

Total 15 Pages, Goto OK

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.

7 System Parameters

System menu includes Date/Time (Basic information), Users (User configuration) and Info (System information). Their interfaces and functions are described below.

7.1 Date/Time

Click on Date/Time in System menu to open the following page:

Date/Time		Refresh	Save
System Time	2015-7-15 03 : 58 : 11 PM		
Date Format	YY-MM-DD		
Time Format	12Hour		
☐ DST ☐ NTP ☐ Synchronize With Computer Time			

The device time, system time, date format and time format contained in the Date/Time 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.

☐ DST ☐ NTP ☐ Synchronize With Computer Time	
☒ Daylight Saving Time	
Daylight Saving Time	Week
Time Offset	1Hour
Start Time	Mar. The 2nd Sun. 02 : 00 : 00
End Time	Nov. The 1st Sun. 02 : 00 : 00

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.

☐ DST ☐ NTP ☐ Synchronize With Computer Time	
☒ Enable NTP	
Server Address	time.windows.com
Time Zone	GMT+08:00

Synchronize With Computer Time: The device will use PC as a time server to correct time.

☐ DST ☐ NTP ☒ Synchronize With Computer Time	
System Date	2015-07-16
Time	09:29:20

7.2 User Configuration

Click on Users in System menu to open the following page:

Users				Refresh	Save
NO.	User Name	Password	Active	User Name:	admin
1	admin	Enable	Enable	Password:	••••
2	user1	Disable	Disable	Confirm:	••••
3	user2	Disable	Disable	Active:	Enable
4	user3	Disable	Disable	Password:	Enable
5	user4	Disable	Disable		
6	user5	Disable	Disable		
7	user6	Disable	Disable		

Here you can set user access authority and login password.

7.3 System Information

Click on Info in System menu to open the following page:

Info	
Device Name	IP CAMERA
Device ID	000000
Device Type	CH293H3_16M
Hardware Version	CM-127
Software Version	V1.0.1.0_150713
IE Client Version	V1.0.0.27_150713
MAC Address	00-23-63-35-97-41
P2P ID	CHAA1407001796778



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

8 Advanced

It includes Firmware Update, Load Default (Default parameters) and Maintain (System maintenance). Their interfaces and functions are described below.

8.1 Firmware Update

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

Firmware Update

Upgrade file path Scan...

Upgrade

Don't close the browser or turn off the power when to update !!!

Note: Upgrade button will be unavailable if the update files do not match the target device.

8.2 Load Default

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

Load Default Save

☒	Display
☒	Network
☐	Except Network Setting Parameters
☒	Alarm
☒	Device
☒	System
☒	Advanced

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

8.3 Maintain

Click on Maintain in Advanced menu to open the following page:

Maintain		Refresh	Save
Auto Reboot	Enable		
Reboot	Every Week Sun. 00 : 00 : 00		

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