

Installations- und Betriebsanleitung

Sehr geehrter Kunde! Mit der Wahl für ein VC Produkt haben Sie sich für ein professionelles Gerät entschieden, das höchste Qualität und Zuverlässigkeit gewährleistet.

Bitte lesen Sie die nachfolgenden Hinweise vor der Installation bzw. Inbetriebnahme genau durch, damit Sie in den vollen Genuß aller Produktvorteile kommen.

IP-Kameras der R-Serie

Art. Nr. 12071 Art. Nr. 12071-B Art. Nr. 12071-4B Art. Nr. 12071-4M Art. Nr. 12072 Art. Nr. 12073 Art. Nr. 12073-B Art. Nr. 16827 Art. Nr. 16829 Art. Nr. 16831 Art. Nr. 16842







Lesen Sie diese Installations-und Betriebsanleitung vor Inbetriebnahme sorgfältig durch! Damit werden eventuelle Schäden durch nicht sachgemäßen Gebrauch vermieden.

- Beachten Sie die am Gerät angebrachten Warnhinweise.
- Die Geräte dürfen nur in nicht explosionsgefährdeten Bereichen eingesetzt werden.
- Bevor Sie das Netzteil anschließen, achten Sie darauf, dass die Spannung und Stromaufnahme vom Netzteil der Spannungsangabe des Gerätes entsprechen.
- Schalten Sie die Geräte, wenn sie stark abgekühlt sind, in warmen Räumen nicht sofort ein, da die Gefahr von Kondenswasserbildung besteht.
- Achten Sie in unmittelbarer Nähe der Geräte auf ausreichende Luftzirkulation. Lüftungsöffnungen dürfen nicht verdeckt sein oder durch Gegenstände abgedeckt werden.
- Öffnen Sie nie das Gehäuse unter Spannung **(Stromschlaggefahr!)**. Reparaturen dürfen nur von geschulten Technikern durchgeführt werden. Im Inneren des Gerätes befinden sich keine Teile, die Sie selbst reparieren könnten.
- Schalten Sie sofort die Stromversorgung aus, wenn das Gerät nicht ordnungsgemäß zu arbeiten scheint, merkwürdig riecht, Rauch aus dem Gerät kommt oder Flüssigkeiten ins Innere gelangt sind.
- Reinigen Sie die Geräte nur mit einem trockenen, weichen, fusselfreien Tuch.
- Heben Sie diese Betriebsanleitung zusammen mit dem Gerät auf. Wenn Sie das Gerät an Dritte weitergeben, geben Sie bitte auch die Betriebsanleitung weiter.

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USER MANUAL

Overview

Thank you for using our IP camera product series, which are integrative products developed for the network video surveillance. On the basis of the newest solutions of Hisilicon, the product series develop a media processing platform by integrating the capture, compression and network transmission of audio and video on one board. With standard H.264 encoding algorithm, the products ensure clearer and smoother video transmission. The remote users may implement real-time monitoring by inputting the IP address or domain name of IP Camera on web browser.

The products can be applied for small- and medium-sized enterprises, government projects, large-scale shopping malls, chain supermarkets, intelligent buildings, hotels, hospitals, schools, and any other places requiring remote network transmission and monitoring. The products are easy to be installed and operated.

Before installation, please check if your product accessories are complete. If some parts are lost, please contact us immediately.

Note:

IP Camera refers to Internet Protocol Camera. Single click: Click with the left mouse button. Double click: Click twice with the left mouse button. Default IP address of IP Camera: 192.168.1.168 IP Camera default Username: admin (lower case), Password: admin (lower case) Default web port: 80, Default media port: 9988

Statement:

The contents in the manual may be different from your current version. If you encounter any unsolved problem during operation, please contact our technical support department or product supplier. The manual will be updated irregularly without prior notice.

Safety Instructions

To correctly use the product and avoid danger or property loss, please carefully read this manual before operation and keep properly for later reference.

Use suitable power supply (attached or specified by the manufacturer). Do not use unspecified power supply.

If the device is malfunctioned, please contact authorized dealer or service center. Do not disassemble or fix the device without permission (any problems caused by unauthorized change or repair are at your own risk).

Never let the device exposed in the rain or humid environment. Do not put the product in a humid place. If water accidentally intrudes into the device, please unplug the power supply and contact the local dealer immediately.

Do not put the device in a dusty place.

Before operating IP camera, please check the power supply.

Do not touch the optical components of image sensor. If necessary, use clean cloth and alcohol to wipe away the dust. If IP camera is not in use, put on the dust-proof cover to protect the image sensor.

During operation, avoid water or any kind of liquid to flow into the camera.

Do not focus against the strong light, such as lamplight or sunlight. Otherwise it will cause excessive brightness and influence the service life of image sensor.

Check the service environment and make sure that the device is used in normal working environment.

Improper replacement of batteries may cause malfunction of the product and accessories. It is recommended for the users to change the batteries. If necessary, change with the same or equivalent type of batteries.

Application Fields

IP camera is usually applied in large-scale shopping malls, supermarkets, schools, plants, workshops, and other public places. As it has strong image processing capacity, IP camera can also be used in the environment requiring high definition of image, such as bank and traffic intersection. Refer to the following picture.



Product Features

Hisilicon media processor with high performance and strong functions.

Non-interlaced CMOS sensor

Optimized H.264 video compression algorithms; Multi-stream transmission ensures high

definition image transmission on both narrowband and wideband.

Support simultaneous connection of up to 5 video streaming.

With Build-in Web Server, user may use standard IE browser to conduct real-time monitoring,

setting and management on the site.

Support remote system upgrade.

Support LAN and Internet.

Support ONVIF protocol and GB28181 protocol.

Support multiple network protocols, such as

TCP/UDP,IP,HTTP,DHCP,RTP,RTSP,FTP,SMTP,DNS,DDNS,NTP,ICMP,IGMP,ARP

Support motion detection alarming function (user may set area and sensitivity)

Support block alarm.

Support privacy zone function.

POE power supply function (optical)

Support snapshot. Upload images by FTP or E-mail.

Support automatic recovery function. It can be automatically connected in case of network interruption.

Note: The specifications of different products may be slightly varied.

Device Installation and Connection

Appearance Description

Schematic Diagram (Art.Nr. 12071)



Items	Descriptions
① Front cover	It can prevent the IP camera from the irradiation of the sunlight.
2 Rear cover	It is fixed with the front cover.
③Focusing lever	Adjust the focal length of the camera.
(4)Lens	Lensof camera
⑤Infrared lamp	Infrared LED lamp
6 Ball and ball sleeve	It is rotatable and used to adjust the angle of installation.
⑦Locknut	Fix the ball sleeve and the base.
8 Base	Fix the device at the installation location.
③Fixing hole	Fix with screws at the installation location.

Schematic Diagram (Art.Nr. 12073)



Items	Descriptions
① Transparent cover	Protect the hemisphere
2 Infrared lamp	Infrared LED lamp
③Lens	Lensofcamera
(4) Black inner cover	Fix the hemisphere
5 Adapter disc	Connect tailing line and fix adjustment bracket

Schematic Diagram (Art.Nr. 12072)



Items	Descriptions
①Lens	Lensof camera
2 Infrared lamp	Infrared LED lamp
③Hemisphere	It is rotatable and used to adjust the installation angle
④ Fixed guard	Fix the position of the hemisphere.
(5) Base	Fix the device at the installation location.
⁽⁶⁾ Fixinghole	Fix with screws at the installation location.

Device Connection

There are two types of connection:

1. Connect the device with PC

Connect IP camera with PC by network cable. The supply hub of IP camera is connected with DC 12V power supply. Set the IP of PC and that of IP camera in the same network segment. If the network is normal, wait for 1 minute after power on and IP camera will establish communication with PC.



2. Connect the device with router or switchboard.

It the most commonly used way to connect IP camera to the Internet. Connect IP camera and PC to Lan Port on the router or switchboard and set the gateway of IP camera as that of the router.



Device Search Tool

The software can detect the IP address of IP camera in the LAN. Firstly, install.exe file (Device Search) in the included CD by the following procedures.:



- 1. Double click the .exe file
- 2. Click [Next] to continue.



3. Select installation folder and click [Next] to continue.

🖟 Device Search Setup	
Select Installation Folder This is the folder where Device Search will be installed.	
To install in this folder, click "Next". To install to a different folder, enter "Browse". Folder:	it below or click
C:\Program Files\DVR Soft\Device Search\	Browse
Advanced Installer	
< <u>Back</u>	Cancel

4. Click [Install] to begin the installation.

🛃 Dewice Search Setup	
Ready to Install The Setup Wizard is ready to be	gin the Device Search installation
Click "Install" to begin the installa installation settings, click "Back".	ation. If you want to review or change any of your Click "Cancel" to exit the wizard.
Advanced Installer	< Back Install Cancel

5. Click [Finish] to finish the installation.



Run the installed Device Search.exe software.

Click Click to run the software and it will automatically display the IP address, subnet mask, gateway, port, version information and MAC address of the running IP camera in the current LAN, as shown in the following picture:

Devid	e Search						- 9	
s	earch							
				Device	List			
No.	IP Address	Media Port	Channel Number	Device Type	Device Version	Subnet Mask	Gateway	M
1	<u>192.168.1.168</u>	9988	1	IP CAMERA	V1.0.1.1-140822	255.255.255.0	192.168.1.1	00-2
		0-4-141-11		- 44 1.	Web Det			
19		Gatevvay	N	etmask	vveb Port	Media Port	M	lodity
Us	erName admin		PassWord					
Vertio	n: V1.0.0.2							

If the searched IP address and PC IP address are not in the same network segment, user may modify IP address, subnet mask, port number and other parameters of IP camera by using Device Search software.

In the DeviceSearch software, select a device to modify IP address and then input new IP address, subnet mask, gateway, port number and administrator password(default: admin). Click [Modify] to change IP address of the device, as shown in the following picture:

Device	Search											
Sea	rch											
					Device Li	ist						
No.	IP Address	Media Port	Channel Num	nber Devi	се Туре	Device	Version	Su	bnet Mask	Gate	eway	M
1	<u>192.168.1.100</u>	9988	1	IP C.	AMERA	V1.0.1.1	1-140822	255	5.255.255.0	192.1	68.1.1	00-2
4												4
IP 193	2.168.1.100	GateWay 192.	168.1.1	NetMask	255.255.25	5.0	Web Port	80	Media Port	9988	M	odify
User	Name admin		PassWord	*****				Sets	successfully!			
Vertion:	V1 0 0 2						_					

Note: Default IP of IP camera is "192.168.1.168", username is "admin", password is "admin", and media port number is "9988".

ActiveX Control Setup

If the user visits IP camera with Internet Explorer for the first time, he has to install the plug-ins. For installing the plug-ins, it is necessary to set the browser security level. Enter menu [Tools/Internet Options/Security/Custom Level] and change "ActiveX controls and plug-ins" as "Enable" or "Prompt", as shown in the following picture. For safety, after you view the image of IP camera, please reset the security setting in IE browser to default level.

Internet Options	? ×	Security Settings - Internet Zone
General Security Privacy Content Connections Programs Advan	ced	Settings
Select a zone to view or change security settings.		ActiveX controls and plug-ins Allow previously unused ActiveX controls to run without pror Disable Enable Allow Scriptlets Disable Enable Enable Enable Enable
This zone is for Internet websites, except those listed in trusted and restricted zones.		Automatic prompting for ActiveX controls Disable Enable
Security level for this zone Custom Custom settings. To change the cettings, dick Custom level		Binary and script behaviors Administrator approved Disable Enable Discley video and animation on a webpage that does not use
To use the recommended settings, click Default level. Custom level Default level Reset all zones to default level)	*Takes effect after you restart Internet Explorer Reset custom settings Reset to: Medium Reset OK Cancel
OK Cancel Appl	y.	

Installation method of plug-in:

Input IP address of IP camera in IE address bar to visit IP camera. The controls will be automatically loaded on IP camera.

Internet	t Explorer - Security Warning 🛛 🛛 🔀
The pu softwa	iblisher could not be verified. Are you sure you want to install this are?
Na	me: RSVideoMOcx.cab
Publist	her: Unknown Publisher
	Install Don't Install
8	This file does not have a valid digital signature that verifies its publisher. You should only install software from publishers you trust. <u>How can I decide what software to install?</u>

The plug-in installation dialogue box will be popped up. Click "Install" and the installation will be completed automatically.

Webpage Configuration of IP Camera

Live

Open Internet Explorer and input IP address of IP camera (http://192. 168. 1. 168). The login dialog box will appear. See the following picture:

User Name	admin	
Password		
Client Port	9988	
Bitrate	MainStream	~
Fluent Level	Real Time	~
Language	English	Y
Remem	iber Pwd 🗹 Oper	All Cha
Logir) Res	et

User may select stream types and fluent level in the login interface.

Input user name(default: admin) and password (default: admin) and click "Login" to enter the Live

interface, as shown in the following picture.



Other buttons on the Live interface:



User may set Record Path, Download Path, Snapshot recording.

Path, File Type and Interval for manual

Local Setting		
Record Path	D:\IPCAMERA\Record	
Download Path	D:\IPCAMERA\DownLoad	
Snapshot Path	D:\IPCAMERA\Capture	
File Type	AVI 💌 Interval	10 Min
		Save

Parameter Setting

Display

Live



Channel Name:Name of IP camera

Channel Display: Enable or disable. It may customize the display location.

Time Display: Enable or disable. It may customize the display location.

FlickerControl: 50HZ,60HZ or disable

Transparency: Set the transparency of OSD background color.

Image Control

Live	Remote Setting Local Setting	ng Logout
_	_	
Display	Image Control	Refresh Save
Live	Ircut Mode	GPIO Auto
Image Control	IR-CUT Delay	2
Privacy Zone	Lens Flip	Angle Flip
Metwork	Back Light Disabl	
alarm	Level	
Device	WDR Disabl	
System	White Balance Auto	
	Shutter Auto	
🔀 Advanced	Time Exposure 1/25	

Click $[Display] \rightarrow [Image Control]$ to enter the following interface.:

IRCUT Mode: 4 modes: GPIO Auto, Video Auto, Color Mode and Black & White Mode.

IR-CUT Delay: Set IRcut delay switching time

Image flip: Lens flip and angle flip

Back light: Enable or disable the Back light. When enabled, there are three levels: low, middle and high.

Back light compensation can compensate the darkness of the subject caused by shooting against the sunlight. In some application scenario, the field of view may contain a very bright background field, such as the door and window against the light, while the observed subject is surrounded by the bright field. In this case, the photo is gloomy and has no layering. The backlight compensation can be applied to solve the problem.

3D Noise Reduction: Enable (auto or manual) or disable the video noise reduction function. Default setting is Auto.

WDR: Enable or disable WDR function.

WDR is a technology that enables the camera to catch the image features with strong contrast. In short, DR (dynamic range) is the details of the bright part and dark part of image. The larger dynamic range shows richer layers and broader color space. AGC: Adjust the level of AGC(low, middle and high)

WhiteBalance: Auto, manual and indoor

- Auto : Optimize according to the current lighting conditions and screen mode and calibrate the video color of the camera.
- Manual : Manually adjustred and blue gain of camera video
- Indoor : Optimize according to the indoor environment and automatically calibrate the video color of camera.

Shutter: It has auto mode and manual mode. Default mode is Auto.

Timeexposure: Adjustexposure level of camera.

Privacy Zone

Click $[Display] \rightarrow [PrivacyZone]$ to enter the following interface:



Set privacy zone:

1. Click to enable privacy zone.

2. Press and drag left mouse button to select privacy zone (4 zones at maximum).

3. Click Save to make the privacy zone effective.

Delete: Click Refresh, select a privacy zone, click Delete, and click Save. The zone will be deleted.

Network

Network Setting

Remote Setting Local Setting Logout 💻 Display Network Setting Refresh Save Statio Y Metwork 9988 80 Video Streaming 8800 Email 192.168.1.168 DDNS 255.255.255.0 IPFilter 192.168.1.1 RTSF 8.8.8.8 8.8.8.8 GB28181 Disable ~ Ø 🦲 Device Ko System 🔀 Advanced

Click [Network] \rightarrow [Network Setting] to enter the following interface:

Type: DHCP or Static. Default type is Static.

ClientPort: ClientportofIPC

WebPort: Webport of IPC

Mobile Port: Connection port of mobile client

IP address: IP address of IPC

Subnet Mask: Subnet mask of IPC

Gateway: Default gateway of device

DNS1/DNS2: Configure DNS server

UPNP: Enable or disable UPNP function of device.

Note: When UPNP is enabled, user has to set the client port, web port and mobile port in the range of 1024-65535. Client port is used for the connection of self-developed mobile client; Mobile port is used for the connection of ASEE or ASEE+ client.

Video Streaming

Live	Remote Setting Local Setting	Logout	-
D isplay	MainStream	SubStream MobileStr	eam
	MainStream	Refresh Save	
Network	Resolution	1280X720	~
Network Setting	FPS	30	💌 (fps)
Video Streaming	Audio	Enable	~
Email	I Frame Interval	30 (1~100)	
DDNS	Rate Control	CBR	~
IPFilter	Bitrate	Pre_Defined	~
RTSP		4096	~
FTP			
GB28181			
Alarm			
Device			
System			
Advanced			

Click [Network] \rightarrow [Video Streaming] to enter the following interface:

Type: Main stream, sub stream and mobile stream User may set resolution, FPS, I Frame Interval,

Mainstream/Substream/Mobilestream.

Rate control(CBR/VBR) and Bitrate of

Resolution : mainstream (1280×720), substream (640×480), mobilestream (320×240)

FPS: When flicker control is 50HZ, it can be set as 25 at maximum; When flicker control is 60HZ,

it can be set as 30 at maximum.

Audio: Audio control switch for the stream

I Frame Interval: Set I frame interval

Rate Control: Set the rate as CBR or VBR

Bitrate: Set bit rate as fixed value or pre-defined.

Email

Live	Remote Setting Local Sett	ng Logout	
Display	Email	Refresh Save	
() No. 1	Email	Enable	
	SSL	Disable	
Network Setting	SMTP Port	25	
Video Streaming	SMTP Server	smtp.qq.com	
Email	Sender Email	123456@qq.com	
DDNS	Sender Pwd		
IPFilter	Receiver Email	654321@qq.com	
RTSP	Interval	1Min	
FTP			
GB28181	Email Test		
🗿 Alarm			
Device			
System			
X Advanced			
	ng pang pang pang pang pang pang pang pa		

Click [Network] \rightarrow [Email] to enter the following interface:

Email配置: Email service setting. Apply this function with alarm function and the images

captured during alarming can be uploaded to E-mail server through network.

Enable Email: Disable or enable	SMTP Port: Default value is 25 (E-mail service port)
SMTP Server: Input E-mail server address	Sender Email: Sender's Email address
Sender Pwd: Password of sender's Email	Receiver Email: Receiver's Email address

Interval: Select interval for sending Email (1min, 3min, 5min, 10min)

DDNS

Click [Network] \rightarrow [DDNS] to enter the following interface:

NS

: It refers to Dynamic Domain Name Server, which is used together with

server for outer network accessing.

Live	Remote Setting Local S	Setting Logout		_
📮 Display	DDNS	Refresh S	ave	
Network	DDNS	Enable		
	Server	3322	~	
Network Setting	Host Name	123456.3322.org		
Video Streaming	User Name	user		
Email	Password			
DDNS				
Pritter	DDNS Test			
FTD				
GB28181				
Alarm				
Device				
System				
🔀 Advanced				

DDNS: Enable Host Name: Input the host name Password: User's password Server : Select 3322

UserName: User'sname

IPFilter

Live	Remote Setting Local Set	etting Logout		
💻 Display	IPFilter	Refresh Save		
	Filter Mode	Allow all IP connection		
Network		.dd		
Network Setting	NO.	IP Address	Enable	
Video Streaming	1	192.168.1.23		
Enail				
IPF IIter				
FTD				
GB28181				
alarm				
Device				
System				
X Advanced				

Click [Network] \rightarrow [IP Filter] to enter the following interface:

Filter Mode

: Three modes: allow all IP connection, allow all set IP connection, and disable set

IP connection.



Add allowed IP or disabled IP

Del : Delete added IP

RTSP

Live	Remote Setting Local Set	ting Logout	
🕎 Display	RTSP	Refresh Save	
Notwork	RTSP	Enable	
	RTSP Port	554	
Network Setting			
Video Streaming			
	Instruction	i∶rtsp://IP:Port/A	
PEilter		A:0(MainStream), 1(SubStream), 2(MobileStream)	
RTSP		(Change the parameters will restart.)	
FTP			
GB28181			
Alarm			
Device			
System			
X Advanced			

Click [Network] \rightarrow [RTSP] to enter the following interface:

RTSP:Enable or disable. Default setting is "Enable". If it is set as "Disable", user may not find through ONVIF.

RTSP Port: Default value is 554. The value can be changed in the range of 1024-65535. After modification, the device will be restarted.

Description:

rtsp://IP:Port/A IP: IP address of the device Port: rtsp port of the device A:0,1,2....., (0 refers to main stream, 1 refers to sub stream, 2 refers to mobile stream.)

FTP

Live	Remote Setting	l Setting Logo	put	
🖳 Display	FTP	Re	fresh Save	
Natural	FTP	Disable		💌 a 11 a a 11 a a
	User Name	user		
Network Setting	Password			
Video Streaming	Server	192.168.1	. 23	
Email	Port	21		
DUNS	Tr	ansfer Images	Transfer Stream	
Pritter				
FTP				
GB28181				
alarm 🦉				
Device				
System				
Advanced				

Click [Network] \rightarrow [FTP] to enter the following interface:

FTP: FTP service setting. This function is applied together with alarming function. The captured images or alarming recording can be uploaded to FTP server through network.

FTP: Enable or disable

UserName: Username for visiting FTP assword: Password for visiting FTP

FTP Server:	Input FTP server address	Port:	FTP service port,	default value is 21

TransferImages: Click to transfer images

Transfer Stream: Click to transfer stream

GB28181

Live	Remote Setting Local Setting	Logout	
			_
🖳 Display	GB28181	Refresh Save	
Network	Open And Effective		
- INCLIMUTE	Devce ID		
Network Setting	Alarm Input ID		
Video Streaming	SIP Server ID		
Email	SIP Server IP		
DDNS	SIP Server Port	O	
IPFilter	SIP Password		
RTSP			
FTP			
GB28181			
Alarm			
Bevice			
System			
X Advanced			

Click [Network] \rightarrow [GB28181] to enter the following interface:

The device supports GB28181 protocol. Click the option "Open and Effective" to enable the function. Set related registration information and click Save

Alarm

Motion

Click $[Alarm] \rightarrow [Motion]$ to enter the following interface:

Live	Remote Setting Local Settin	g Logout
_	_	
Display	Motion	Refresh Save
A state of the	Enable	
	Sensitivity	
Alarm	Send Email	
Motion		
Block Alarm		
Device		
5ystem		
🔀 Advanced		
		Clear All
		a liana i

Setting procedure:

- 1. Click to enable motion detection.
- 2. Click and drag left mouse button to select motion detection area.
- 3. Set motion detection sensitivity(Range:1-8. Larger number indicates higher sensitivity.)
- 4. It can link SMTP to send by Email
- 5. Click Save to make the setting effective.

When the motion alarm is triggered, the screen on Live interface will appear green character "M".

Block Alarm

Click $[Alarm] \rightarrow [BlockAlarm]$ to enter the following interface: Alarm for blocking of camera lens It can link SMTP to send by Email.

Live	Remote Setting Local Setting	Logout	
		_	_
Display	Block Alarm	Refresh Save	
Notwork	Enable Block Alarm	,	יב מס <u>ו</u> ן במכ <mark>ון במכוו במכוו ב</mark> מכוו ו
	Enable Email Send	ເວລະແດນສະແດນສະແດນສະແດນ	ອງເອກອງເອກອງເອກອງເອກອງເອກອງ
Alarm		i an	
Motion			
Block Alarm			
Device			
G System			
X Advanced			

Device

It contains [Log] and [Audio]. Their interfaces and descriptions are as follows.

Log

Click **[**Device **]** \rightarrow **[**Log **]** to enter the following interface:

Display	Log	Info	Refresh	Delete	Search	
Maturali	Lo	g Type	System L	og		×
Network	Be	ginTime	2014 🖌 1	✓ 1 ✓	00	00 : 00
Alarm	En	idTime	2014 💌 10	9 💌	23	59 : 59
	No.	LogInfo			Time	
) Device	1	admin[10.10.25.1	100] login.	ويرجله وحلمي والم	2014-08-31 00):01:13
Log	2	admin[10.10.25.1	100] login.		2014-08-24 00):01:16
Audio	3.0	admin[10.10.25.1	100) login.		2014-08-22 15	5:49:32
System	4	admin[10.10.25.1	100] login.		2014-08-22 15	5:43:20
	5	System init.			2014-08-22 15	5:43:10

Log Type: (system log, parameter log, alarm log, storage log, all log), totally 5 types for selection. Set the begin time and end time of the searched log.

Click "Search" and the corresponding log information will be displayed below;

Click "Delete" and the device log will be removed;

Click "Refresh" and the selected log information will be refreshed.

Audio

Live	Remote Setting	Local Setting	۱ <u> </u>	_ogout			
📮 Display	Audio Setti	ng		Refresh	Save		Ť
Network	🔽 Enable A	udio					
	Output Volume		10			×	
Alarm	Input Volume		10			×	
Device							
Log							
Audio							
5ystem							
X Advanced							

Click **[**Device **]** \rightarrow **[**Audio **]** to enter the following interface:

IPC audio switch

Audio setting procedure:

Click "Enable Audio" and audio setting options appears. User may set the input volume and output volume in the range of 0-10. After setting, click Save to save the changed parameters.

System

System includes [Date/Time], [Users] and [Info]. Refer to the following description.

Date/Time

Live	Remote Setting Local Sett	ing Logout	
📮 Display			
()	Date/Time	Refresh	Save
	System Time	2014-10-9	12 : 32 : 54 AM 🔽
Alarm	Date Format	YY-MM-DD	
	Time Format	12Hour	
Device			
Ko System	● DST ● NTP ● Sy	nchronize With Computer Tim	e
Date/Time			
Users			
Info			
X Advanced			

Click $[System] \rightarrow [Date/Time]$ to enter the following interface:

In this interface, user may set Date/Time, including System Time, Date Format and Time Format. After setting, click Save.

The device also provides three kinds of automatic time synchronization:

DST: Click DST to enable DST function. The device will synchronize time according to the time offset.

OST ●NTP ● Synchronize With Computer Time						
Daylight Saving Time						
Daylight Saving Time Mode		Week		~		
Time Offset		1Hour		×		
Start Time	Jan. 💌	The 1st 💌 Sun. 💌	00	: 00 : 00		
End Time	Feb. 💌	The 1st 💌 Sun. 💌	00	: 00 : 00		

NTP: Synchronize time with NTP server. Click NTP to enable NTP setting. Input NTP server address, select time zone and click Save. The system will automatically synchronize time with NTP server.



Synchronize with computer time: Device will take

computer as the time server to synchronize

time.

●DST ●NTP ●	hronize With Computer Time		
System Date	2014-10-09		
Time	16:12:24		

Users

Click $[System] \rightarrow [Users]$ to enter the following interface:

Live	Remote Sett	ing Local S	Setting	Logout	-	-
📮 Display	User	S		Refresh	Save	
()	NO.	User Name	Password	Active	User Name:	admin
Network	<mark>.1</mark> 2	admin user1	Enable Disable	Enable Disable	Password:	•••••
🥉 Alarm	3	user2	Disable	Disable	Confirm	
	4	user3	Disable	Disable		
	5	user4	Disable	Disable	Active:	Enable
Curtom	6	user5	Disable	Disable	Password:	Enable
Gran System	7	user6	Disable	Disable		
Date/Time						
Users						
Info						
X Advanced						

Info

Live	Remote Setting Local Settin	ig Logout	
Pisplay	Info		
Alabaration	Device Name	IPCamera	
	Device ID	000001	
Alarm	Device Type	CH272H1_16M	
	Hardware Version	V001	
Device	Software Version	√1.0.1.1-140822	
System	IE Client Version	V3.0.0.812	
	MAC Address	02-22-02-03-04-05	
Date/Time			
Users			
Info			
Advanced			

Click **[**System **]** \rightarrow **[**Info **]** to enter the following interface:

It includes system information of the device, such as Device Type, MAC Address, Software Version, etc.

Advanced

It includes [Firmware Update], [Load Default] and [Maintain], as shown in the following picture.

Firmware Update

Live	Remote Setting Local Setting	Logout	
		_	
Display	Firmware Update		
Metwork	Upgrade file path		Scan
alarm			
Device		Opgrade	
G System			
X Advanced			
Firmware Update			
Load Default			
Maintain			

Click $[Advanced] \rightarrow [Firmware Update]$ to enter the following interface:

In "Firmware Update" option, user may click "Scan" to select update file, click Upgrade button and the system will be upgraded automatically. If the upgrade file does not match the device, the update will fail.

Note: It will take about 5 minutes to update the firmware. Do not cut off power or network during updating.

Load Default

Live	Remote Setting Local Setting Logout	
📮 Display	Load Default Save	
Network	☑ Display	
- Network	Network	
Alarm	☐ Alarm	n dann dan 1 5a Historia
	Device	
	System	
System	Advanced	
🔀 Advanced		
Firmware Update		
Load Default		
Maintain		
	and and and and met	mž mž mž

Click $[Advanced] \rightarrow [Load Default]$ to enter the following interface:

In "Load Default" option, click the corresponding options and click Save to restore factory settings for the selected options.

Maintain

Live Remote Setting Local Setting Logout 💻 Display Maintain Refresh Save Enable * Metwork 00 : 00 : 00 Everyday <u>)</u> Reboot Alarm Device K System × Advanced Firmware Update Load Default

Click $[Advanced] \rightarrow [Maintain]$ to enter the following interface:

In "Maintain" interface, user may set periodically reboot or manual reboot.

Technical Parameters

	Itama	Descriptions					
	nems	100W	130w	200w			
	Image Sensor	CMOS Sensor					
	VideoFormat	P/Nadaptive control					
Camera	Minimum luminance	0.08Lux@(F1.2,AGCON), 0.03Lux@(F1.2,AGCON),0Lux with IR 0Lux with IR					
	Shutterspeed	1/25s~1/20,000s					
	Day/night switch mode	IRauto switch					
	Video compression standard	H.264					
Compression Standard	Video compression rate	64kbps-8Mbps					
	Triple stream	Yes					
	Max. resolution	1280×720	1280×960	1920×1080			
Image	Image framerate	50 Hz: 720P/25fps(1280×720) VGA/20fps (640×480) QVGA/5fps (320×240) 60 Hz: 720P/30fps (1280×720) VGA/20fps (640×480) QVGA/5fps (320×240)	50Hz: 960P/25fps(1280×960) VGA/20fps (640×480) QVGA/5fps (320×240) 60Hz: 960P/30fps(1280×960) VGA/20fps (640×480) QVGA/5fps (320×240)	50 Hz: 1080P/25fps(1920×1080) VGA/20fps (640×480) QVGA/5fps (320×240) 60 Hz: 1080P/30fps(1920×1080) VGA/20fps (640×480) QVGA/5fps (320×240)			
Image	Image setting	Adjust saturation, brightness and co	ontrast through client software of w	veb browser.			
Network	Protocol	TCP/IP、UDP、RTP/RTCP、RT	SP、HTTP、SMTP、DNS、D	DNS、DHCP、FTP、NTP、PPPOE、UPNP			
Port	Data interaction port	1 RJ45 10M / 100M Ethernet interfa	ace				
General	Grade of waterproofing	IP66					
Specifications	Working environment	-10 °C~60 °C(14 °F~140 °F)	below90%RH (nocondense	ation)			
	Powersupply	12VDC±10%,PoE					

Appendix 1Router Port Forwarding

If user wants to remotely visit IP Camera monitoring image through internet, he has to open web port and client port of IP Camera.

Take Cisco router as an example:

IP address of IPC is 192.168.1.168, web port is 8000 and client port is 9988.

INKSYS [®] b	y Cisco	0						Firmwar	Version, v1.0.0	
							Wireless N Ho	me Router	WRT120N	
Applications & - Gaming	Setup Single Port F	0544	Wireless anding	Securi Port Range	ity Access Res Forwarding Port I	trictions Tange Trigge	Applications & Gaming mg 1 DM2	Administration	Status GoS	
Port Range Forwarding										
Application Name	Start	- En	d Port	Protoco	I To IP Address	Enabled		Help		
	9988	to	9988	Both ~	192,168,1,168					
	8000	to	8000	Both	192.168.1 168					
		to		Both Y	192.168.1					
		to	1	Both Y	192.168.1					
		to		Both 🛩	192.168.1					
		to		Both 💙	192.168.1					
		to		Both 💙	192.168.1					
	1	to		Both Y	192.168.1					
		to	Į.	Both 💙	192.168.1					
	1	10		Both V	192 168 1					

Appendix 2FAQ

- IE cannot load and install plug-ins.
 Possible cause: IE security level is set too high.
 Solution: Set IE security level to the minimum level.
- After updating, user cannot visit IP Camera through IE.
 Solution: Clear IE cache. Specific steps: Open IE Tools, open Internet option, click "delete file" button in the 2ndoption (temporary Internet files), click "delete all offline contents", and click OK. Log in IP Camera again.
- Why cannot visit IP Camera through IE?
 Possible cause 1: Network fault
 Solution: Connect PC to internet and test if network access is normal. Check if there are any cable problems or network problems caused by PC virus until PC can ping each other.
 Possible cause 2: IP address is occupied by other devices.
 Solution: Disconnect IP camera and network and connect IPC and PC and set device IP address.
 Possible cause 3: IP address is located in different subnet.
 Solution: Check setting of IP address, subnet mask address, and gateway.
 Possible cause 4: The physical address of the network conflicts with IP camera.
 Solution: Change physical address of IP camera.
 Possible cause 5: Web port is changed.
 Solution: Contact network management to obtain the corresponding port information.
- PC client cannot be connected to the frontend video

Solution: Check if IP camera video can be normally viewed in IE, if the device can be searched by PC client software, and if the device parameters on PC client are set correctly.

• Mobile client cannot be connected to the frontend video

Possible cause 1: Mobile stream is not enabled

Solution: Enable mobile stream.

Possible cause2: Mobile port number is not input correctly.

Solution: The port number of our mobile client software is 9988 and that of the third-party client is 8800.

Possible cause3: Device video streams connections exceed the maximum limitation.

Solution: Reduce the connections of device video streams.

Ihr zuständiger Service-Händler



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