IP Camera

(KaiCong IP camera SIP1201)

KaiCong Ares



SIP1201 User manual

2013-03-18 V1.0

Anything else ,please contanct me.

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I , Product Description

Statement

If the user manual can't help you to solve the problem, please call our technology center for solutions. We will update the content for the new functions without notice.

Notice

1. Installation Environment

- ♥ Keep away from the places for high-temperature, heat source and direct sunlight;
- ♥ Keep away from water and when it gets wet, cut off the power immediately.
- Avoid using at damp environment; the reference range for operation humidity is below 85%RH.
- * Avoid using in overheating and too cold environment, the reference range for operation temperature is -10° ° +50°C.
- Please install it horizontally or wall mounting, avoid strenuous vibration place and not put other equipments on the item.
- 2, Transport and Handling
- The package is well-designed to ensure the security during the delivery, so please do not change the package at random.
- 1. Do not move the ip cameras from overheated to super cool condition frequently, otherwise it will frost and shorten the service life.
- 2. Do not move the item when it is on, otherwise the main board might be damaged.



- 1. Please check the power supply before operating the camera.
- 2. Be careful do not bang the camera and avoid strong impacts or shocks.
- 3. Do not directly touch the optical components for the image sensor, if necessary, please clear with a clean and moistened cloth with alcohol and wipe the dirt gently; when not using the camera, please place the dust cover on to the item to protect

the image sensor.

- 4. Do not aim the camera directly into the sun or at other intense light sources that could affect the image quality (it is not a problem for the ip camera), also shorten the service life for the image sensor.
- 5. The laser may burn down the image sensor, when using the laser gear, do not expose the surface of image sensor in the laser.
- 6. If the equipment is not working properly, please contact the store or the service center, do not disassemble or modify the equipment in any way. (Problems caused by unauthorized modification or repair should be at your own risk.)

Product introduction

Product summary

Thank you for choosing our company's M series IP camera, which has several models, including indoor HD PTZ camera, indoor HD cube camera, outdoor HD waterproof camera etc. It is very suitable for houses, shops, office building and so on.

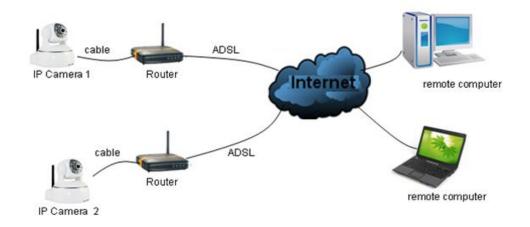
Main features for M series:

- Support simultaneously 3 kinds of H. 264 video stream and 1 way MJPEG video stream, suitable for Local, Internet and Cross-platform view;
- Support resolution for 1280*720/640*360/320*180;
- Support 4 ways view in a video stream;
- Support two-way intercom function, G.711 and G.726 audio encoding;
- Support 802.11b/g/n protocol, build-in WiFi module to perform wireless monitoring function;
- Support max. 32G SD/TF card for storing the alarm video and pictures, timing snapshot and recording;
- Built-in web server, use one port to send all the data, it's easy to do network setting;
- Support ONVIF and RTSP protocol, easy to integrate it to NVR or large client software;
- Support WPS/QSS function;
- Support POE function for some cameras, user optional;
- Support multi-languages web interface, support 1/4/9 split screen to perform several view at same time;
- Manufacturer attaches a label of DDNS at the bottom of each IP Camera. When IP Camera is connected to the internet, this URL can be used to visit the device;
- Provide free client software, support Multi-view, Long time recording, video replay, etc;
- Provide free software viewed by mobile phone.



II, Equipment Diagram

III、 Equipment connection diagram



IV, Search IP Camera

1. Download Software address
http://kaicong.net/download/KaiCongIPCameraFinder.zip

2. Operate Software

Choose "English" and Click "Advance Mode ", search IP Camera.

🔎 KaiCong Ipcam Finder	
Select Mode	
	Step by step, follow the prompts. Suitable for the first time installation
<u>W</u> izard Mode	of the IP Camera or the IP Camera is not very familiar to users ${\boldsymbol{\circ}}$
	Manually set the network parameters such as the IP address.Suitable for installation
<u>A</u> dvance Mode	of IP Camera are more familiar with the user •
Note:This software can only be on th	e same LAN network of IP Camera set up ∘
Display Language English	•
<mark>English</mark> ▼ Open "Advan 中文資体 中文繁體	=
	Glose

KaiCong-Nothing important than safety !

	uter		Equipment Information	n			
letwork Card:	11b/g/n	Wireless LAN Mi 🔻	General Others				
P:	192.168.	1.132	Name:				
ub Mask:	255.255.	255.0					
_	192, 168,	1.1	HTTP Port:	U			
ateway:			Network:			•	
rimary DNS:	210.22.7	0.3 210.22.84.3	IP:				
econdary DN	S:						
			Sub Mask:				
			Gateway:				
quipments				Custom	O Au	to	
Series	Name	IP 🔺		Castan	0,10		
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	KaiCongipcam	192.168.1.126	Secondary DNS:				
F Y	Yarehouse Kaicongipcam	192.168.1.67 192.168.1.12					
R 1	310All	192.168.1.141	Inner access:				Open
F 1 F			Outer access::			Check	Open
F	320 Hallway	192. 168. 1. 146 👻					
F		192. 168. 1. 146 👻					h
F F	320 Hallway						

urrent Computer			Equipmer	nt Informatio	n			
letwork Card:	11b/g/n	Wireless LAN Mi 🔻	General	Others				
P:	192.168.	1.132		Name:				
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Gateway:	192.168.	1.1			-			
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F Kaid F Kaid F B Ware F kaid F 3	IPCAM Congipcam shouse congipcam S1OAll Hallway	192. 168. 1. 152 ≡ 192. 168. 1. 12€ 192. 168. 1. 67 192. 168. 1. 12	Seco In	ndary DNS:			Check	Open Open
F Kaid F Kaid F B Ware F kaid F 3	IPCAM Congipcam Phouse Congipcam PlOAll	192.168.1.152 192.168.1.126 192.168.1.67 192.168.1.12 192.168.1.12 192.168.1.141	Seco In	ondary DNS:			Check	

Software interface

Area A: Shows all the network parameters of the current computer, the most important is the LAN gateway address (IP address), in this case 192.168.1.1, the IP of the network cameras, gateway, DNS must be based on the current LAN gateway to set. Area B: Display all KaiCong network cameras accessed in LAN, this instruction includes a total of 21 sets network cameras.

Area C: Select any network camera in area B, you can query and set the network camera parameters.

Notice:

If the search tools has not searched ip camera in the current LAN, network cameras, please make sure whether the ip camera is connected to the power, LAN, and computers in a local area network. If the computer installed antivirus software, please temporarily shut down antivirus software.

Current Com	nputer		Equipment Informatio	n	
Network Car	rd: 11b/g/n	Wireless LAN Mi 🔻	General Others		
P:	192.168	.1.124	Name:	201window	
Sub Mask:	255.255	.255.0	HTTP Port:	2014	
Sateway:	192.168	.1.1	HITP Port:	2014	
	210.22	70.3 210.22.84.3			
Primary DNS		1013 21012210113	IP:	192.168.1.138	
Secondary [DNS:				
			Sub Mask:	255.255.255.0	
				[-
quipments				255.255.255.0 192.168.1.1	
iquipments Series	Name	IP		[
		IP 192.168.1.94		[
Series F F	Name Warehouse 218 Hallway	192. 168. 1. 94 192. 168. 1. 148	Gateway: Primary DNS:	192. 168. 1. 1	
Series F F F	Name Warehouse 218 Hallway 320 Hallway	192, 168, 1, 94 192, 168, 1, 148 192, 168, 1, 146	Gateway: Primary DNS: Secondary DNS:	192. 168. 1. 1 210. 22. 70. 3	
Series F F F F	Name Warehouse 218 Hallway 320 Hallway Warehouse	192. 168. 1. 94 192. 168. 1. 146 192. 168. 1. 146 192. 168. 1. 146	Gateway: Primary DNS: Secondary DNS:	192. 168. 1. 1	Open
Series F F F	Name Warehouse 218 Hallway 320 Hallway	192, 168, 1, 94 192, 168, 1, 148 192, 168, 1, 146	Gateway: Primary DNS: Secondary DNS:	192. 168. 1. 1 210. 22. 70. 3	
Series F F F F	Name Warehouse 218 Hallway 320 Hallway Warehouse 201window	192. 168. 1. 94 192. 168. 1. 14€ 192. 168. 1. 14€ 192. 168. 1. 14€ 192. 168. 1. 145 192. 168. 1. 13€	Gateway: Primary DNS: Secondary DNS: Inner access:	192. 168. 1. 1 210. 22. 70. 3 http://192. 168. 1. 138: 2014	

Set 1	IΡ	Camera	С	hooseonea	nddone	etworkp	parameter	setting
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Name: Camera Name:

port: Default port "80", please modify as a "non-80" port. The camera' s port is 9605. IP: Camera IP must and router in a gateway. The camera' s IP address is 192.168.1.229. Sub Mask: Default 255.255.255.0.

Gateway: Gateway address is the router IP-----192.168.1.1

Primary DNS: Fill in router IP.

The end, click the "apply", the cameras begins to restart , remain energized.

urrent Computer		Equipment Information	n	
etwork Card:	11b/g/n Wireless LAN Mi 🔻	General Others		
·:	192.168.1.124	Name:	201window	
ub Mask:	255.255.255.0	HTTP Port:	2014	
ateway:	192.168.1.1		٢	
rimary DNS:	210.22.70.3 210.22.84.3			_
econdary DNS:		IP:	192.168.1.138	
		Sub Mask:	255.255.255.0	
		Gateway:	192.168.1.1	
quipments				
	ame IP ^	Primary DNS:	210.22.70.3	
	allway 192.168.1.148			
	(allway 192.168.1.146 ouse 192.168.1.149	Secondary DNS:		
	indow 192.168.1.138	Inner access:	http://192.168.1.138:2014	Open
	of R 192.168.1.112 -	Outer access::	Check	Open
∢ Count: 19				
Joune, 19	Export		Careford Early	(Analy
		Auto	Config <u>F</u> ind	Apply
		P	rev Next	Close
Wind	ows Security			X
		ipcamera_78A5D	D077F3D requires a userna	me
an	d password.			
	arning. This server is rea	uesting that your	username and password b	-
w				~
	nt in an insecure manne	r (basic authentic	ation without a secure	
se		r (basic authentic	ation without a secure	

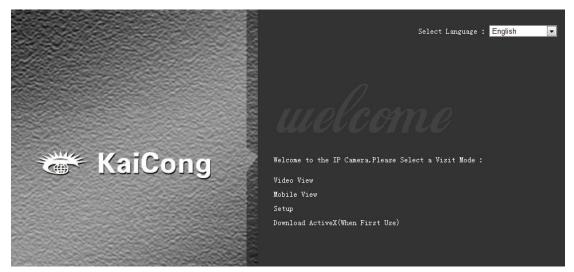
Remember my credentials

OK

Cancel

Click "Open", fill in the camera' s user name and password(default admin &123456), login camera.

Select the language "English mode".



First login the device, you need install Browser plug-in of camera, click f5, login the device again.

Browser Control Installation

IE browser Click "Tools" --- "internet options" --- "security" in the "Security" tab Click the "internet" and "Trusted sites" (Windows 7 for credible sites ") under" custom Level "in the sub-option" ActiveX controls and plug-ins ", select Enable three: ActiveX controls and plug-ins, ActiveX controls not marked as safe for scripting the early start and execute the script, Download unsigned ActiveX controls, click on the "OK" and restart the browser.

(= (-)	🧭 sboutSecurityRisk	D-6x 🔥 🛪 🖯
Security	/ Settings at Kisk × 🔤	
File Edit	View Favorites Tools Help	
3	Your security setting level puts your computer at risk	
	We recommend that you do not browse the web with your current security settings.	
	To browse the web securely, click Fix settings for me on the notification bar below.	
	To continue browsing in the current state, click the Home button (not recommended).	
1		
	Would you like to make Internet Explorer your default browner?	Na 🔻 🗶 🔤

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Security Settings at Risk	k Julio	And a state of the second state of the		
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Sheen arrested	Active(Filtering	a um a marchan an		
We recommen	Diagnose connection problems	at security settings.		
Ø To browse	Reopen last browsing session Add site to Start menu	cation bar below.		
	View downloads Col+J			
😵 To continue	Pop-up Blocker	nat recommended).		
	SmartScreen Filter			
	Manage add-ons			
	Compatibility View			
	Compatibility View settings			
	Subscribe to this feed.			
	Feed discovery +			
	Windows Update			
	FL2 developer tools			
	启动氏羅獨獨權政論			
	Internet options			
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	Would you like to make Internet Explorer your default b	dwser.	Yes No * x	
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1	nternet Options - securit	Y AC NISK		
0				1
	Con I Security Di		n	
	General Security Priva	cy Content Connections	Programs Advanced	
	🔞 Your security se	ttings put your computer	at risk	
			And a second	
	Select a zone to view or	change security settings.		
		M 🗸 🔰	<u>y</u>	
	Provide State Stat	The second rates and		
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	100 million (100 million)	si	ites	
			x1274	
	Internet			
	This same is for	Tataanataabattaa	Sites	
		r Internet websites,		
	except those I	isted in trusted and		
	restricted zone	25.		
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	Security level for this	70De		
	becancy lever for ans	Lone		
	M(255,275,286)			
	Custom			
	- Your s	ecurity settings are below the	recommended	
		itting your computer at an incr	eased risk of	
	online a			
	- To cha	nge the settings, click Custom	level.	
	- To use	the recommended settings, d	ick Default level.	
	10 050	ale recommended becangoy a	ick berdartieven	
	V Enable Protecte	d Mode (requires restarting In	iternet Explorer)	
	Endblethoteed	a node (requires restaining in	recifier explorely	
		Custom level	Default level	
		Customieven	Defaultiever	
	04			
		Bosot all zopos	to default level	
		Reset all Zones	to default level	
		50	-23	
		OK Car	ncel Apply	
				9

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ettings		
	Prompt	
🧳 Act	tiveX controls and plug-ins	
(Allow ActiveX Filtering	
	Disable	
	Enable	
1	Allow previously unused ActiveX of	ontrols to run without prom
	Disable	
Tab	Enable	
	Allow Scriptlets	
	Disable	
	Enable Decement	
	 Prompt Automatic prompting for ActiveX of 	
	Enable	
	Rinary and scrint hehaviors	-
۲ 📄	m	
*Takes e	effect after you restart Internet Ex	plorer
eset cus	tom settings	
eset to:	Medium-high (default)	▼ Reset
	1	OK Cancel
		Cancel

General Secur	rity Privacy Content Connections Programs Advanced
🔞 Your se	curity settings put your computer at risk
Select a zone	to view or change security settings.
Internet	Local intranet Trusted sites Restricted
Trus	sites Sites
V trust your	zone contains websites that you to damage your computer or files. have websites in this zone.
Security leve	el for this zone
	Custom - Your security settings are below the recommended level, putting your computer at an increased risk of online attack.
	 To change the settings, click Custom level. To use the recommended settings, click Default level.
Enable	
Enable	- To use the recommended settings, click Default level.
Enable	- To use the recommended settings, click Default level. e Protected Mode (requires restarting Internet Explorer)

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0	Disable	
(Enable	
🧃 A	Allow previously unused ActiveX	controls to run without prom
0	🔵 Disable	
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🥥 A	Allow Scriptlets	
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	Enable	
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🧳 A	Automatic prompting for ActiveX	controls
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	Enable	
A B	linary and errint hehaviore	
Takes eff	fect after you restart Internet E	xplorer
		(Protos)
eset custo	om settings	20 - 20 -
eset to:	Medium (default)	▼ Reset
		OK Canc

Click "OK", restart IE, login IP Camera again. Download IE plug-in, choose "English Mode ", type the user name (default: admin) and password (default: 123456).



View video



Figure 8

Status bar





- ① Display connection status;
- ② Display record status: if click "Record", it will show "REC" which stands for recording; click record button again, it will stop;
- ③ Zoom out, zoom in and restore digital zoom;
- ④ Set saving file path: set the location for recording and capturing file storage;
- (5) Talk button: Click this button to hear what the person at the side of computer talks. Click it again, it will stop playing;
- 6 Audio monitor button: Click this button to hear what people talking about at the side of IP Cameras.

Choose video stream

You can choose primary stream, second stream or third stream to view the video. Recommend to view by primary stream in LAN, by second stream in WAN and by third stream in mobile phone.

You can view the video by four, nine pictures in same screen, but need to set the camera in 3.6.6 multiple setting.

PTZ control

If the camera supports PTZ function, you can click up, down, left, right arrow to control the camera moving, click **DID** button to center and stop the camera.

When you set camera to a preset position, and then click **(SET)**, after the camera has been changed to another direction, click **CALL** can move the camera to the previous position.

Snap /record / SD card/playback

- Click "Snap" button, to take a photo and save it to the specified file.
- Click "Record" button to start record. Click again to stop record.
- Click "Check TF/SD card" can browse the files in the SD card (If the SD card already equipped inside the camera), you can select directly and download;
- Click "Playback" button, it will show a player which can play the record

video. For these buttons 🕨 🗖 📥 — 🛨 means: play; stop; open video

file; play slowly; play quickly.

Video setting

Video parameters

Power Line Frequency :	^{50Hz} Tf pictures have ripple, can adjust it to
First stream	eliminnate ripple here
Resolution :	1280x720 -
Bit Rate :	4096 • kbps _ The bigger the bit rate , the video is more
	25 • fluent , take up more bandwidth.
Second stream	
Resolution :	640x360 -
Bit Rate :	1024 💌 kbps
Frame Rate :	²⁵ fps The higger the frame rate, the more smooth
Third stream	
Resolution :	320x180 - image.
Bit Rate :	256 💌 kbps
Frame Rate :	25 • fps
JPEG Stream	
Resolution :	320x180 -
Overlay Options	
Time Stamp :	
Camera Name :	● On ○ Off image when selected 'on'
Name :	IP Camera (Don't input special characters like: ~!@#\$%^&*()_+ =?/:)
	Apply Cancel

Figure 10

JPEG stream is for viewing by non windows platform, for example, click 'mobile view' in homepage, it transmit actually the JPEG stream.

Audio parameters

Audio Options	
Input Volume :	65 (1-100)
Output Volume :	45 (1-100)
First stream	
Audio Capture :	On Off
Audio Type :	G.711 - G.711 sound quality is good but takes up
Second stream	more bandwidth.
Audio Capture :	On Off
Audio Type :	G.726 - G.726 sound quality is worse but takes up
Third stream	less bandwidth.
Audio Capture :	On Off
Audio Type :	G.726 🔻
	Apply Cancel
	Figure 11

The camera supports G.711 and G.726 audio encoding format. The sound of the G.711 is better, but it occupies more bandwidth. If you click "On" of the audio capture, so it will transmit audio in corresponding video stream. Please open the audio here, then you will hear the sound when clicking audio play button in figure 9.

Brightness :		130
Saturation :		70
Contrast :		7
	E Flip Mirror	
IR LED Control :	🖲 Auto 🔘 Close	
Night Mode :	💿 On 🖲 Off	
	Apply Default	Cancel

Image parameters



You can select "close" to disable IR LED when you don't need it. It will cut automatically frame rate to enhance night vision at night when select "on".

Web setting

Basic web setting

LAN Settings	
IP Configuration Type :	Fixed IP Address 🔹
IP Address :	192.168.0.158
Subnet Mask :	255.255.255.0
Gateway :	192.168.0.1
DNS Configuration Type :	Manual DNS -
Primary DNS :	202.96.134.133
Secondary DNS :	202.96.128.166
Port Settings	
HTTP Port :	80
RTSP Port :	554
RTSP Authority Verification :	● On ◎ Off (Note: modify settings,please restart your device)
	Apply Cancel
	Figure 13

The cameras support RTSP protocol, if select "on" of "RTSP authority verification", you need to enter user name and password when invoking video by RTSP protocol.

Remote visit setting

In chapter 2.3, you have known how to do port forwarding. After the success of the Dst port setting, you can also visit camera by DDNS. The manufacturer has established a DDNS system, and allotted a DDNS to every device, the user can view it from remote PC, example of figure 14.

Manufacture's DDNS :	🖲 On 🔘 Off
Manufacture's Domain :	A194445.kaicong.info

Figure 14

User can also use third party DDNS, such as <u>www.dyndns.com.</u> User applies a free domain name from this website and fills the info into below blanks (Figure 15) and saves the settings. Then the domain name can be used.

Third Party DDNS :	🖲 On 💿 Off
Domain Server :	Dyndns.org 👻
Username :	myuserid
Password:	•••••
Your Domain :	mydomain.dyndns.org

Figure 15

Notice: Using the third party DDNS, if the http port is not 80, the port number should be added to the domain name with colon.

Example: http://mydomain.dyndns.org:81.

ONVIF setting

ONVIF :	🖲 On 🔘 Off
Port :	8080
Authority Verification :	⊙ On [®] Off
	Apply Cancel

Figure 16

The camera supports ONVIF protocol, so it can be interconnected with other factory camera with ONVIF.

Alarm setting

External Alarm Input

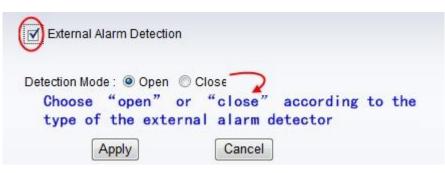


Figure 17

The camera should have external alarm input port to enable this functions. Connect external alarm detector to the input port, the detector will output switching signal when it detects any abnormal, input port of the camera will detect the level change, so it will detect the alarm, therefore the detector should be switching sensor (same as switch)

Motion Detection Setting

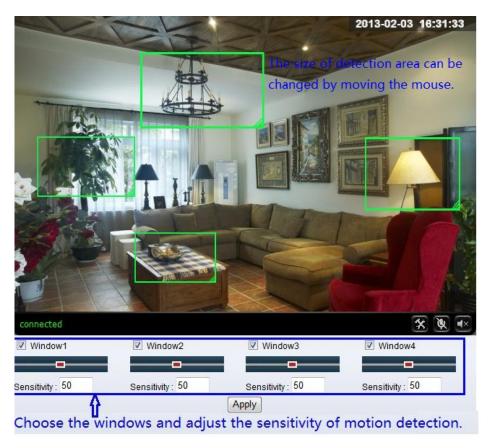


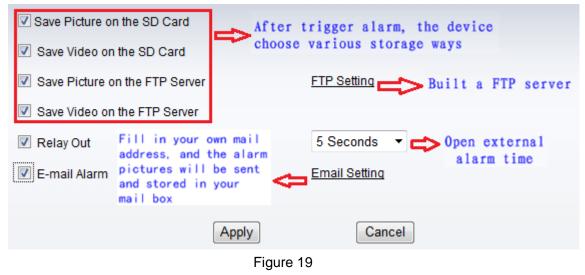
Figure 18

Please click "apply" after the settings are done, and motion detection takes effect.

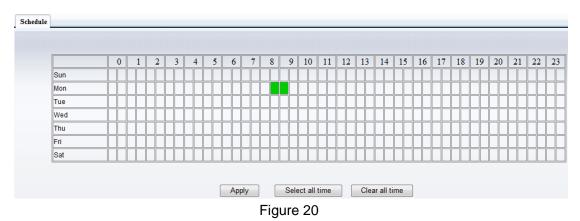
The higher the value is, the higher sensitivity will be. The camera will trigger corresponding alarm when any change occurs in the detection area.

Alarm mode setting

After detecting any change, it will alarm as several mode, example of figure 18.



Alarm time setting



The device will trigger the alarm only during the scheduled time period, you can select the scheduled time according to your request. Example of figure 20, set armed time from Mon 8:30 to 9:00, you only need to click the corresponding time block to set them, the time block will become green when you selected.

Note: Please make sure your system time is correct before you set the alarm time period. Please refer to chapter 3.6.2 to set system time.

Advanced setting

User management

purview	User Name	Password	Re-Type Password
Administrator	admin	•••••	•••••
Operator	user	••••	••••
Guest	guest	••••	•••••



There are 3 levels of user authorization in it.

- Administrator: "admin" has the highest authority. It can do any settings. The factory default password: 123456.
- User: user can only operate the device but can't do any settings. The default password is user.
- Guest: User can view the video, but can't operate the device. The default password is guest.

Note: Please change these 3 level passwords at the first time when using to ensure your safety.

Auto Capture Setting

TF/SD Card Interval :	60	Seconds	
	Save I	mages To the TF/SD Ca	ard
FTP Interval :	60	Seconds	
	Save I	mages To an FTP Serve	er <u>FTP Setting</u>
	Appl	у	Cancel

Figure 22

Tick "Save Images to the TF/SD card", the snapped pictures will be stored into SD card during the setting time.

Timer recording

nedule Recording :) On	00	Off																								
Record Files Duration :	600			s	Secor	nds																					
Stream :	Firs	st stre	am	Ŧ																							
Schedule Record Time :		Select	t all t	ime			Cl	ear all	time	•)																
0	1	2	3	4	ţ	5	6	7	8		9	10	11	12	13	1	14	15	16	17	1	8	19	20	21	22	23
Sun																											
Mon																											
Tue																											
Wed																											
Thu																	Π										
Fri																											
Sat																											
								Арр	ly)	ia	iro	 23	fresh													

Example: figure 23, set recording time from Mon 8:30 to 9:00.

E-mail Setting

SMTP Server Name :	smtp.sohu.com	Server Port 25	SSL 🗖
Authentication :	◉ On ◯ Off		
User Name :	sender@soho.com]	
Password :	•••••]	
Send To :	receive@163.com	(e-Mail Address 1)	
		(e-Mail Address 2)	
		(e-Mail Address 3)	
Sender:	sender@sohu.com	(Return e-Mail address))
Subject :	alarm		
Message :			
	(The maximum length of 255 C	haracters)	
Test Email settings :	Test	s at first,and then test it	

Figure 24

The SMTP server name: It is email address server, for example of SOHU email address, it is "smtp.sohu.com". Please fill all blanks which we filled above in figure 24 as example. Otherwise, the settings will fail.

Please click "Test" to test if the E-mail setting is successful.

FTP setting

Server Address :	192.168.0.152	
Server Port :	21	
User Name :	test	
Password :	•••••]
Path :	Л	
Passive Mode :	🖲 On 🔘 Off	
Test FTP Settings :	Test Please set parameter	rs at first,and then test it.
	Apply	Cancel

Figure 25

Before using FTP function, first of all, apply on the FTP server the FTP user name, password, FTP storage space and the authority to create sub-category to store the video or pictures.

Notice: The password should not be special character; otherwise the camera can' t identify it.

Multiple settings

Multiple Set	tings	Lan Search
The 1st device Native		002bspq(192.168.0.188)
The 2nd device None		
The 3rd device None		
The 4th device None		
The 5th device None		
The 6th device None		
The 7th device None		
The 8th device None		
The 9th device None		Refresh
	Submit Cancel]
	F ' 00	

Figure 26

Please set multiple devices here first to view 4 or 9 split screen at chapter 3.1 in the view interface.

System setting

Device information

Device ID :	002bspq		
Current Client :	0		
Network Connection :	Wired Connection		
Software Version :	V0.1.2.10		
Web Version :	V0.0.0.1		
Mac Address :	78:A5:DD:09:1E:50		
IP Address :	192.168.0.188		
Subnet Mask :	255.255.255.0		
Default Gateway :	192.168.0.1		
Preferred DNS Server :	202.96.134.133		
Secondary DNS :	202.96.128.166		
Running Time :	2013-02-03 11:45:27		
TF/SD Status :	Have Card[The Total Capacity	of : 7759028KB The Rem	
	View the Contents of the TF/SD Ca	rd Format the TF/SD Card	Stop the TF/SD Card

Figure 27

SD status shows the free capacity if SD card is installed.

Notice: the device supports max 32G SD card. Please format the SD card to FAT32 before using the card on camera. Please check whether the SD Card matches the camera or not before purchasing the SD Card.

Date and time setting

Current Date & Time :	2013-01-18 12:53:18
Network Time Protocol	
NTP Server :	time.windows.com 💌
Time Zone	(GMT+08:00) Beijing,Chongqing,Hong Kong,Urumqi ▼
	Sync With Computer Time Apply

Figure 28

Example: figure 28, please select the time zone first, then select a NTP server and obtain time from network time server.

Initialize setting

Reboot Camera :	Confirm		
Restore Factory Default :	Confirm		
Backup Settings Data :	Confirm		
Restore Settings Data :		Browse	Confirm
Firmware Upgrade :		Browse	Confirm

Figure 29

If you click "Confirm" of Backup setting data, the camera will create a file, you can store it to your computer, and you can directly use this file to restore the settings. The function helps to manage the cameras and no need to do all the settings again.

The firmware upgrade is for updating system firmware and web UI.

System Log

System Log					
[2013 01 17 20:36:23]	ipc server s	start.			
[2013_01_18 10:52:00]	user(admin)	login	for	live	stream.
[2013_01_18 11:02:43]	user(admin)	logout	from	live	stream.
[2013_01_18 11:03:09]	user(admin)	login	for	live	stream.
[2013_01_18 11:04:17]	user(admin)	logout	from	live	stream.
[2013_01_18 11:06:42]	user(admin)	login	for	live	stream.
[2013_01_18 11:08:12]	user(admin)	logout	from	live	stream.
[2013_01_18 12:38:21]	user(admin)	login	for	live	stream.
[2013_01_18 12:39:15]	user(admin)	logout	from	live	stream.

Figure 30

WiFi connection to LAN

After finishing the wired connection as chapter 2.1, you can connect the camera by WiFi.

Login camera in wired connection and enter wifi setting, and then operate as the following step, example of figure 5.

Enable Wireless : 1. ope			a series of the series of	r - Windows Int .1.188-9191/web/s		er		_
SSID :	owen	Join	RSSI	SSID	Encryption mode	Authentication	Connection mode	Channel
Security Mode :	WPA-PSK -	ОК	-77	song	AES	WPA2-PSK	Infra	1
WPA Algorithm :	3. choose your router TKIP - 4. Input password of the	ОК	-75	yfb-test2	AES	WPA(2)-PSK	Infra	3
WFA Algorithm :	wireless router	ОК	-47	owen	AES	WPA-PSK	Infra	6
Key :		ОК	-77	TP- LINK_283362	NONE	OPEN	Infra	13
Re-Type Key :		Refre	sh					
Check Wireless Set :	Check 5. Then check if the wireless setting is successful							

Figure 5

Select 'On' and click 'Search', and then select wireless router in pop up menu, click 'OK' and enter its password, click 'apply' to save the wireless settings. And you can click 'check' to check if the wireless setting is successful. After setting successfully, please pull out network cable and reboot the camera to use the wireless function.

Because the camera supports WPS/QSS, you can set wireless by simple way as below. Please confirm if the router which is connected to camera supports WPS/QSS (you can check user manual of the router or get the support from router factory);

 $\ensuremath{\texttt{Press}}\xspace$ button on the router, it will launch the function.

Press and hold on reset button for 2^{5} seconds after it ran normally (not need connect cable), it will launch the WPS/QSS function, then match the setting with the router, the status LED always on when it was matching, and it will flash after matching successfully.

Unplug power adaptor and reboot the camera, then you can use the wireless connect function.

Note: The camera will automatically stop the function when the matching is unsuccessful after continuing 50 seconds. Due to different kinds of the router, we are not sure our camera can be connected to all routers successfully.

Connection to WAN

You should connect it to LAN network and do the port forwarding at first, and then connect the LAN network to WAN, connect as figure 6.

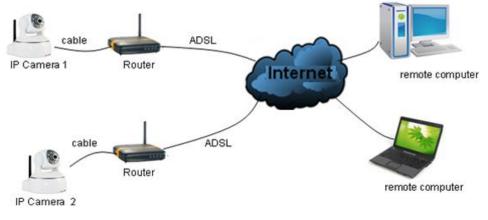


Figure 6

Set Password	Basic Settings	O Port Triggering	Server IP Address
Router Upgrad Advanced Wireless Settin Wireless Repeating Function	Does Your Internet Connect	Age-of-Empire	192 168 1 Ad Start Port End Port Server IP Addres
Port Forwardin Port Triggerin WAN Setup LAN Setup	Internet Service Provider Choose port	2 Edit Se	Add Custom Service
Service Name Service Type Starting Port Ending Port	IP Input IP camera port # TCP/UD 9191 (1~65534) 3 9191 (1~65534)	Service Name Service Type Starting Port Ending Port Server IP Address	IP Input IP camera IP address TCP/UDP V 9191 (1-65534) 9191 (1-65534) 192 168 1 158

For example: operation step of port forwarding as figure 7.



- 1) Please go to the setting interface of Router, and choose "Port Forwarding";
- 2) Choose "Add custom Service" ;
- 3) Input IP camera http port;
- 4) Input LAN IP Address of the camera, click "Apply" (port number and IP address

as you set in figure 2)

After finishing the port forwarding, you can use WAN IP address of router and http port of camera to visit the camera by remote computer as figure 6.

Notice: because the routers are different, so the interface and setting method of router are also different, how to do the port forwarding for various routers, please refer to the user manual of your router or consult with router manufacturer.

Visiting device by other software

Other web browser

In the Windows OS, for using browser with IE kernel, user must download the ActiveX. While for Safari and Firefox browsers, please Download "QuickTime" plug-in and install it to access the IP camera. After installation, please run the QuickTime program to access the QuickTime Preferences dialog box from Edit Menu, example as figure 31. Click "Advanced", select "custom." in the Transport Setup. It pops up the Streaming Transport dialog box. Please select "HTTP" for transport protocol and "80" as port ID, click "ok", and then return to Transport Setup to change "Custom" to "Auto". Finally, click "ok" at the bottom. After finishing these settings, run the Firefox or Safari browser to view the video.

QuickTime Preferences
Register Audio Browser Update Streaming File Types Advanced
Streaming Transport Setup: Custom RTSP Proxy Server: Address: Port:
Dowr Streaming Transport
Size: Transport Protocol: HTTP
Enable DirectDraw on secondary monitors Enable Direct3D video acceleration
Media Encoding Enable encoding using legacy codecs
Tray Icon Install QuickTime icon in system tray
Media Keys
OK Cancel Apply

Figure 31

In Mac computer, the Quick time is installed by default, so the user simply accesses setting tool folder at application folder and run the command program, enter command

by command line mode:

qtdefaults write Transport Settings HTTP 80 And then run the Safari browser to view the video. Note: Please select the G.711 audio code format for hearing sound in Quick time plug-in.

CMS

Download CMS

http://kaicong.net/download/KaicongCMS.zip



Register and Login

Open "KaiCongCMS_EN.exe"

Login				×
	Username: Password:			
	Login		Cancel	
		<u>Register>></u>	Forgot password>>	

This version of client need a computer linked to the Internet and registered and activated DDNS server.

Login			X
Username:			
Password:			
Login		Cancel	
	<u>Register>></u>	Forgot password>>	KaiCong ³ 相比该会更重要

*Email Address:	grasseshu@126.com	✓ Congratulations, your input on!
	The user name is your email address, please fill in th	he correct e-mail address through the mailbox to activate the account.
*Password:		💙 Password Strength: Medium
	6 to 16 characters, including letters, numbers, charac	cters, symbols, and case-sensitive.
* Confirm Password:		Password consistent
	Please enter the password again.	
*Verification code:	KPZE KPZE	

Kai Cong DDNS server will automatically send an activation email to the registered email, landing register to use the mailbox to find the activation email, activate account CMS.

Hello:

 Please click on the link below to activate the account immediately (or copy the URL into the browser open): http://s.kaicong.info/Dvr/Active.aspx?activecode=leafaabc-cdf3-4d93-a10baa52483b31e4&id=luming.hj@kaicong.info

 $\texttt{Login}\ \texttt{CMS}$

Login		X
Userna	ime: grasseshu@126.com	
Passw	-	
	Login Cancel	
	Register>> Forgot password>>	iCong 前 たの が 部 間 を 防 有 什 么 比 安 全 更 更 た の で
	KaiCongCMS	
	Login Successful	
	Determine	

KaiCongCMS	
	11:44:25
	Default Group
	. ?
	KaiCong [®] Milli支防 有什么比安全更重要
	KaiCong Burety wowtraking Event



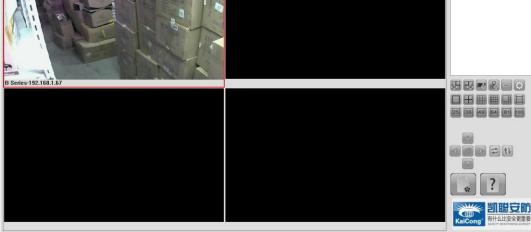


ID	Series	Name	IP	Gateway	Subnet Mask	DNS se
V 1	B Series	Warehouse	192.168.1.67	192.168.1.1	255.255.255.0	192.16
2	B Series	309meeting	192.168.1.12	192.168.1.1	255.255.255.0	192.1
3	B Series	218 Hallway	192.168.1.148	192.168.1.1	255.255.255.0	192.1
4	B Series	320 Hallway	192.168.1.146	192.168.1.1	255.255.255.0	192.1
5	B Series	1018 of Ro	192.168.1.112	192.168.1.1	255.255.255.0	192.1
6	H Ser	IPCAM	192.168.1.243	192.168.1.1	255.255.255.0	192.1
7	B Series	036561	192.168.1.206	192.168.1.1	255.255.255.0	210.2
8	B Series	320	192.168.1.64	192.168.1.1	255.255.255.0	192.1
9	B Series	Warehouse	192.168.1.130	192.168.1.1	255.255.255.0	210.2
10	B Series	310Left	192.168.1.174	0.0.0	255.255.255.0	0.0.0.
11	B Series	SIP 10 18@B	192.168.1.242	192.168.1.1	255.255.255.0	192.1
12	B Series	Warehouse	192.168.1.94	192.168.1.1	255.255.255.0	192.1
13	F Series	IPCAM	192.168.1.107	192.168.1.1	255.255.255.0	192.1
•						+

KaiCongCMS	
	11:41:48
	Default Group
	Start Playing Stop Playing
	Set Camera
	Delete Camera Start Recording
	Stop Recording
	÷ ?

Edit Camera Info	X
Camera Type:	B Series 👻
Camera Name:	B Series-192.168.1.67
IP Mode	O DDNS Mode (For WAN Visit)
Address: 1	92.168.1.67:94 Find
For example: IP Mode(DDNS Nar	Mode(Address: 192. 168. 1. 10 1:81), DDNS ne:xxxxx)
Camera Usernar	ne: admin Filled user & passwore
Camera Passwo	rd: •••••
(OK Cancel

	mera Info			
Cam	era Type:	B Series 👻		
Cam	era Name	B Series-192.168.1.6	57	
O I	P Mode	ODNS Mode (For WAN Visit)	
DDN	s	007033	kaicong.info	•
Cam	era Usern era Passw	vord:		
		ОК	Cancel	
	KaiCong	CMS	×	
	Add Si	uccessful ! Camera Info	:112.64.166.222:94	
			Determine	
	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			€ A cetat: →•
	-			



Playback and video

Reiconactions	Creative Creative Start Playing Stop Playing Stop Playing Stop Recording Stop Recording
KaiCongCMS Beginning of the video, the file name: .//2012-10-23/112.64.166.222-94/20121023-084740.avi Determine	
KaiCongCMS	Contraction of the second seco

KaiCong-Nothing important than safety !

)	Camera Name	Starttime	File Size	File Location	Select All	Unselect
] 1] 2	112.64.166.222-94 112.64.166.222-94	2012-10-23 08:47:40 2012-10-23 08:51:12	0KB 7.49MB	.//2012-10-23/1: .//2012-10-23/1:	Delete	Close
	m			,		ate 12/10/23 🔍 🖛 12/10/23 💭 🖛
					Camera Name	
			1		< [,
	Record Manager					×
	>>> 	称 <u>泉電开始时间</u> 86,22239 2022-00-15 18:00:1 11	文件大小 221 32-1846	.//2012-10-15/15 © :		

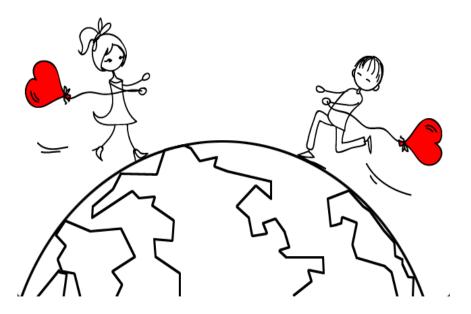
"seeseesee" Manual Instruction

Into the App store, search "seeseesee". Find "seeseesee", click"Install App store." Being installed.

After the download is complete, double-click the icon of "seeseesee" open. Start page.







Click the Add			
iPod 奈	10	:00	
	home	epage	+
	=	\bigcirc	+
homepage	device list	recent visit	more

In the pop-up page, se	lect "OK".
------------------------	------------

iPod 奈	10:00	, in the second s
Cancel	add devi	CE Save
Serial numbe	er mode	IP mode
please se	elect device	model >
basic info	ormation	
"seese	esee"要使月 置	用您当前的位
serial numb 不分 Ler accou		好
passwo	rd: password	
position i	nformation	
longitude:		

Anything else ,please contanct me.

Select the device model.

iPod 🗢	10	:00		1 📰
Cancel	ndd d	evice		Save
Serial number m	ode		IP mode	
please selec	ct dev	ice mo	odel	>
basic inform	nation	1		
device name:	Came	ra Name)	
serial number:	12345	56		
user account:	usern	ame		
password:	passv	vord		
position information				
longitude: 12	1.3547	03		

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4

iPod 奈	13:42 🕒	Ø
add devi	please select device	
	SIP428	>
	SIP1017	>
0,	SIP1018w	>
	SIP1018	>
articita	SIP1019	>
in the second se	SIP1020	>

Enter the serial number of the IP camera, a user name and password.

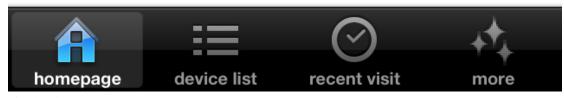
iPod 奈	13:42	e 5		
Cancel	add device	Save		
basic information				
device name:	Camera Name			
IP address:	0.0.0			
port:	80			
user account:	username			
password:	password			
position information				
longitude: 121.354690				
latitude: 31.244156				



Click on "Save"

After saving, we added the camera to play.





playback

KaiCong-Nothing important than safety !



Click on the arrow keys, you can adjust the direction of the camera lens.