IPCManager Tool 4.02.xx (Mac_OS) User Manual



Abstract :

The document is the user manual for the IPCManager Tool V4.02.xx which is used for the IP device (IP Cameras, NVRs etc.) management like searching, quick configurations, firmware upgrading, batch configurations etc.



1 Software Running Requirements

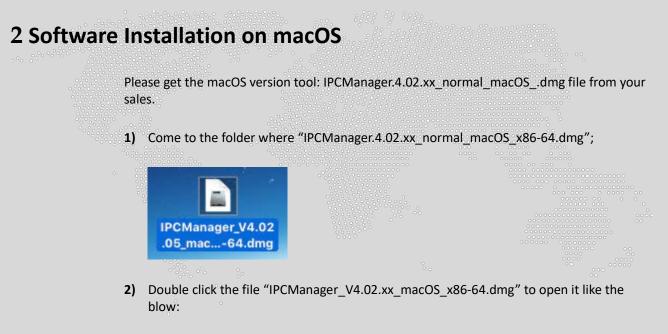
IPCManager Tool runs on Windows, Linux including CentOS, Ubuntu and Debian etc., and MAC OS platform. This document is for MAC OS platform only.

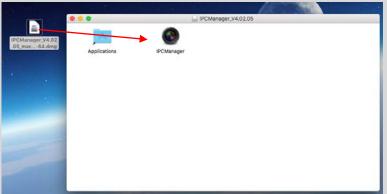
APPLE macOS.

CPU: 1.3GHZ

DDR: 2G

HDD: at least 10G

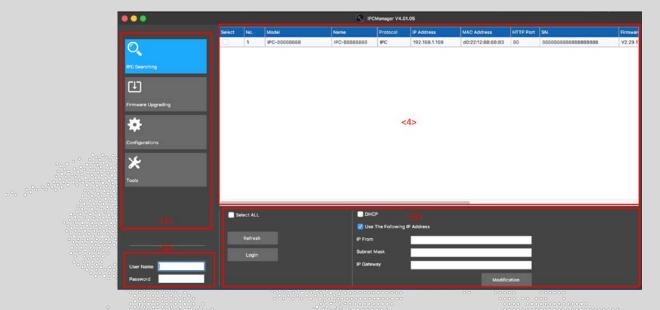




3) Double click the IPCManager to run the Tool;

You can copy or move IPCManager to the desktop or Applications for the later use quickly instead of coming to this folder.

3 IPCManager Tool Introduction



Here is the IPCManager V4.02 main window.

Zone <1>: Main Menu Selection: IPC Searching, Firmware Upgrading, Configurations and Tools;

Zone <2>: Fill out the use name and password to log in the cameras;

Zone <3>: There is the operation zone for the selected or all cameras;

Zone <4>: List of the cameras found on the network;

3.1 IPC Searching

The software can automatically search for cameras on the local network, even the IP Cameras' IP address segment is different from the local network's.

If you connect another IP Camera, please click "refresh" to update the current list;

$3.1.1\ {\rm Revise}$ the cameras' IP address in batch

1) Fill out the cameras' username and password;

- 2) Check out the cameras you want to modify (or check the box of "Select All");
- 3) Select "DHCP" to set all the selected cameras to DHCP mode; or fill out the IP address in "IP From" (The starting point of the IP range), "subnet mask" and "IP Gateway" to set static IP mode. Click "Modification" to start the process. On static IP mode, cameras will be assigned the IP address from "IP From" automatically. For example, if 30 cameras were selected, and the "IP From" is 192.168.3.101, "subnet mask" is 255.255.255.0, and the IP Gateway is 192.168.3.1, then these 30 cameras will get the IP address starting from 192.168.3.101 to 192.168.3.130.



3.1.2 Quick configurations for the camera selected.

Right click on the camera like the below to see a list of options:

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		Select	No.	Model	Name	Proto		IP Address	MAC Address	HTTP Port	SN.	Firmware V
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	IPC Searching				Refresh							
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					Mainstream Viewing Substream Viewing							
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					Find Your Password	2						
	Configurations											
	*											
	Tools											
			elect ALL			DHCP	-					_
						🛛 Use The Fol	lowing I	IP Address				
			Refresh			IP From				_		
			Login			Subnet Mask		-		_		
	User Name					IP Gateway		-				
	Password							7	Modif	ication		

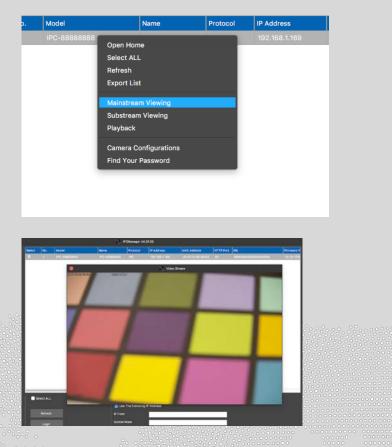
- 1) **Open Home**: select it to open the camera's web interface; (Please check the camera's web interface document for the details.)
- 2) Select ALL: select all the cameras in the list;
- 3) Refresh: update the list of the cameras;

4) "Export List" Introduction: export a list of the cameras found with the following information: Model, Name, Protocol, IP Address, MAC Address, HTTP Port, SN. Firmware Version and Hardware Version.

Select "Export List", and then select the destination folder to export the cameras searched list, the file name should be fixed as "Devlist.csv".

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Firmware Upgrading		ayback.							
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User Name			IP Gates				_		
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5) Mainstream viewing: view the camera's main stream video. There will be a pop-up window asking for camera's credential. Once the correct credential is entered, user can preview the main stream video.



- 6) Substream viewing: view the camera's sub stream video. There will be a pop-up windows asking for camera's credential. Once the correct credential is entered, user can preview the sub stream video.
- 7) **Playback:** playback the records stored in camera's SD or USB Flash Disk; Please check the below section 3.1.3 for the details.
- 8) Camera Configurations: configure the camera's main parameters without opening the camera's web interface; Please check the below section 3.1.4 for the details.
- **9)** Find the password: to ask for the camera's password if you forgot the camera's password. Please check the below section 3.1.5 for the details.

3.1.3 "Playback" Introduction

- 1) Select the camera, and then right click to select "Playback".
- 2) Fill out the camera's username and password to log into the camera.

•	💿 Login
U	ser Name admin
	Password
	Remember The Password
	Login

3) Below is the "Playback" Window, there are FOUR sub windows.

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5	13	14	15	16	17	18	19		
	20	21	22	23	24	25	26		
5	27 .	28	29	30	51	1	20		
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A. To select the date of the archives.

B. The list of the archives in the camera, and these archives can be selected to download into the computer through clicking "Download" button after selecting the archives you want to download or check the "Select All" to select all archives.

C. Playback Video Window.

D. Playback Control Window, the timeline can be zoom in and zoom out through scrolling the mouse.

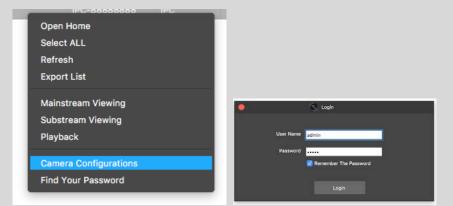
There are the buttons to control the playback: PLAY/STOP/Slow Back/Quick Forward/Play per Frame.

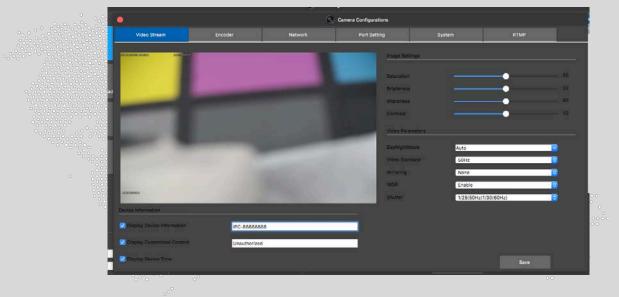
3.1.4 Camera Configurations

The user can set camera's parameters without opening the camera's web interface and installing the ActiveX plugin for IE;

For cameras in the list, please right click and select the "Camera configurations".

For cameras not on the local network but can be accessed remotely, you can click "Login" and fill out the camera's IP address, port, username and password to start "Camera configurations".

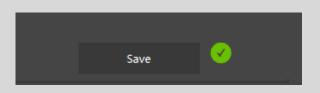




The parameters can be set through IPCManager Tool are: Video stream parameters, encoder parameters, network parameters, port settings and system information.

- 1) Video stream: double click on the video for full screen mode.
 - A. Device information settings: the following information can be enabled to show on the video: Device Name (Information), Device Time, and Customized Information.
 - B. Image settings: you can adjust the image's parameters manually including saturation, brightness, sharpness and contrast.
 - C. Video parameters: you can set some video parameters including Day and Night mode, Video standard, Mirroring, WDR enable or not, and shutter.

The above changes will be reflect in real-time, please click "Save" to confirm the changes.



2) Encoder: you can set the camera's video and audio encoder parameters including: video resolution, encode type, code profile, key frame, FPS (frame rate), VBR and CBR etc. audio encode type. (Please be noted that AAC encode type cannot be set through IPCManager tool, please set it through opening the camera's web interface)

•			۲	Camera Configurations		
	Video Stream	Encoder	Network	Port Setting	System	RTMP
	Video Encoder			Audio Codec		
		Mainstream	•	🗸 Enable		
ad		h265		Encode	g711u	0
						-
	Profile	Main Profile	3	Input Volume		
	Resolution	3072x2048	3			
	Key Frame	50	0			
	Frame Rate	25	0			
	VBR					
	Quality	0				
	CBR					
	Bitrate [kbit/s 256-16000]	16000				
						Save
				0000		

 Network Parameters: the user can set network parameters here quickly including TCP/IP parameters, and Device time etc.

		S .	Camera Configurations		
Video Stream	Encoder	Network	Port Setting	System	RTMP
TCP/IP Parameters			Device Time		
DHCP			Synchronize 1	With The PC Time	
🗹 Use The Following IF	Address		Date	8/24/17	
IP Address	192.168.1.169		Time	15:26:29	
IP Gateway	192.168.1.1		Synchronize 1	With NTP Server Time	
Subnet Mask	255.255.255.0		NTP Server		
DNS	8.8.8.8		Port No.	123	
			Interval [Ho	our] 1	•
			Time Zone	GMT+08(Beijin	ig, Hong Kong, Shanghai) 🔷
			Date Format	YYYY-MM-DD	•
			Time Format	24h	
					Save

4) **Port Settings:** You can change the port numbers based on the limit specified in the interface.

•		۲	Camera Configurations			
Video Stream	Encoder	Network	Port Setting	System	RTMP	
Port Parameters						
HTTP Port	80	[165535,Default :80]				
RTSP Port	554	[165535,Default :80]				
TCP Port	6000	[165535,Default :80]				
Onvif Port	80					
FLASH Port	1935					
					Save	

5) System Information: here you can check / format the SD or USB Disk and camera can be restored or reset back to the factory settings.

Video Stream	Encoder	Network	Port Setting	System	RTMP
					_
System Information			Storage Information		
MAC Address	d0:22:12:88:88:83		Size:		0
No.	888888888888888888888888888888888888888	8	Surplus Capacity:		0
Model	IPC-88888888		Status:		Not Installed
Firmware Version	H1202			Format	Refresh
Hardware Version	V2.29.170817				Kenesi
			System Management		
			Restore	All Parameters Will Restored To Th	e Factory Configurations.
			Reboot	The Device Will Be Rebooted.	

6) **RTMP:** here you can set RTMP push parameters.

•			0	Camera Configurations			
Video Stream	Enco	der	Network	Port Setting	System	RTMP	
RTMP Parameters							
Enable							
Section 1	12:00 AM	12:00 AM	🖯 🗹 All Day				
Section 2	12:00 AM	12:00 AM	8				
Section 3	12:00 AM	12:00 AM	8				
Section 4	12:00 AM	12:00 AM	8				
Push Type	Mainstream						
Push URL							
						Save	

3.1.5 Find the password

Open Home Select ALL						
Refresh		0000 00 00 00	000			
Export List		Find Your Password	0000			
Mainstream Viewing Substream Viewing	Please send the following serial number to your supplier to get the password.					
Playback	Please send the following se	narnumber to your supplier to get the password.				

3.2 Firmware Upgrade

The cameras can be updated to the latest firmware, please see below.

IPCManager						🚺 🖬 🗇 🖵 🜒) 51%	🗈 🖸 Thu 3:35 PM	Extremevision Q
•				6	IPCManager V4.01.05			
	Select	No.	IP Address	Firmware Version	Model	Upgrading Status		
0.	9	1	192.168.1.169	V2.29.170817	IPC-88888888			
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		alaert -		Add IPC		Firmware Upgrading		
						Command of Quantity		
		Delete		Starting IP		Upgrade File		Browse
				Ending IP				
					1.0			
User Name admin	ġ.			Add IPC	Add Online	PC.	Upgrade	Cancel
Password	7							

1) Select "Firmware Upgrading" and there are two options to add the cameras.

- A. Click "Add online IPC" to add all cameras.
- B. Or fill out the "Starting IP" and "Ending IP" to add the camera manually like below:

Adding IPC	2222 22222 22222 22222 22222 22222	
		• • • • • • • • • • • • • • • • • • • •
Starting IP	192.168.1.120	
Ending IP	192.168.1.130	
Add IPC	Add online IPC	

- 2) You can check the "Select All" box to select all cameras to upgrade them, or check the box one by one.
- **3)** After confirming all the cameras, you selected can be upgraded (it means these cameras can use the same firmware, otherwise you cannot upgrade them at the same time.), please click "Browse" to select the firmware, and then click "upgrade" to start the upgrade process.

•••				0	IPCManager V4.01.05	1		
	Select	No.	IP Address	Firmware Version	Model	Upgrading Status		
0		1	192.168.1.169	V2.29.170817	IPC-88888888			
and the second								
IPC Searching								
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Firmware Upgrading								
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Configurations								
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				Add IPC		Firmware Upgrading		
		Delete		Starting IP		Upgrade File HX	RAYSHARP)_IMX326.fm	Browse
				Ending IP				
User Name admin					Add Online IF		Upgrade	Cancel
Password								



3.3 Configurations

The user can set cameras in batch in this interface. The settings include time settings, restore all the cameras and modify the password. The user can also export/import the cameras' configurations in batch.

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					PCManager V4.01.05				
	Select	No. IP Ade	Iress	Name	Configuration Status				
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	1		Tie	sing		Input The Configurations		Modify Password	
		Select ALL							
		Refresh	Ma	nuelly	1/1/00 12:00 AM	Configurations File		User Name	
				Device Time			Browse	New Password	
		Restore				10	Browse	Confirm Password	
User Name admin									
Password									
Passing the second seco									

1) User can click "Refresh" to refresh the list of cameras.

- 2) You can check the box of "Select All" to select all the cameras, or just to select the cameras as needed.
- 3) You can click "Restore" button to restore all of the cameras to the factory configurations.
- **4)** Change the time (manual), and set all of the cameras' time to be the same, or set the cameras to be synchronized with the PC time, then click "OK" to save the changes.
- 5) Modify the specified user's password: fill out the user name whose password needs to be changed and then fill out the new password. Click "Set" to change the specified user's password.
- 6) Export and Imput the camera's configurations:

The user can export one of the camera's configuration, and copy its configurations into other cameras in batch by following procedures:

- A. Right click on the camera you wish to use the configuration from and then select "Save Config" to export a configuration file;
- B. In "Input the configurations" tab, click "Browser" to select the configuration file and then select the cameras which should be copied the configuration to. Click "Set" to start the process".

3.4 Tools

This section includes some useful tool for the camera application. The file convertor is used to convert the file format from the private AVI to a normal AVI format.

The records in SD card or USB Flash Disk are formatted by the private AVI which is suitable for play by the private player tool, allowing controls like fast forward, slow play etc. You can use any normal player to play the converted AVI files with media player such as VLC Media Player.

Select the records downloaded from the camera by click "Select the Files", and then click "Browse the Output Folder" to select a destination folder to store the converted files. Click "Start Converting" to start the convert process. (It's possible to covert multiple files at the same time.

•••	PCManager V4.01.05
	PCManager V4.01.05
Q. Files Convertor	
IPC Searching	
Ē	
Firmware Upgrading	
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Configurations	Select The Files Browse The Output Folder
*	Start Converting Stap Converting
Tools	Progress
11	The Current Progress
	Total Progress
User Name admin	
Password	

4 Help

The "Help" button on the top right corner (show below) will open a copy of the quick guide.

