

ACTi IP Utility

User's Manual For Version 4.4.08

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Overview

With the vast development of surveillance system, functions and features are introduced one after another thus lead to the complication of installation. ACTi, as a camera manufacturer and video solution provider, is striving to make your daily job easier; hence, we are pleased to offer you IP Utility - a handy tool that allows you to easily manage multiple ACTi devices on your network.

What is ACTi IP Utility

IP Utility is a free, Windows-based application tool with friendly user interface. It helps you locate available ACTi devices including cameras, video encoders, and standalone NVRs in the network by showing its IP address. It also possesses the capability of concurrently editing essential camera settings such as automatically assign IP address, resolution change and motion detection region setups and more configuration for multiple cameras. Detailed information of each of those features will be covered in the later chapters.



ACTi IP Products

As ACTi continues to deliver new products and technologies, IP Utility has also been streamlined to enhance essential functions to help you manage your ACTi devices.

You can download the latest version of this utility and related documents in PDF format from ACTi corporate website under ACTi Utility Suite section:

http://www.acti.com/ip_utility

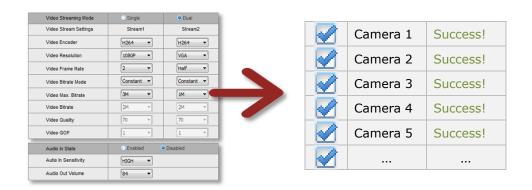


Featured Functions

IP Utility is featured by the following functions:

1. Global Configuring Method

To achieve mass installation and configuration, "Global setting" delivers a new concept of multi-device setup in a speedy fashion. With this concept, you may select multiple devices for configuration instantly and simultaneously apply your desirable settings to all. Regardless of unique settings in different models, "Global setting" will automatically select the best and/or next immediate value individually for your selected devices to achieve the best and fastest way for your time-saving installation.



2. Smart Firmware Upgrade

Upgrading an individual device to its latest firmware version could be time-consuming and confusing. **IP Utility** supports one-step firmware upgrade for multiple devices. In addition, it would also pick the latest firmware that is available in selected folder and its subfolders.

3. URL Command Support

This version supports URL Command for specific controls and configurations.

4. Multi-language Support

IP Utility supports ten languages and will auto-select the UI language based on your operation system.



Getting Started

System Requirement

The operation of ACTi IP Utility will only consume limited system resources, but it should meet the following criteria:

Operation System

Windows 7, Windows 8 and Windows10 (both 32 bit and 64-bit versions)

Running the Application

- 1. Unzip the compressed file.
- 2. Execute the application "IP_Utility.exe".





Searching Devices

IP Utility will search for devices based on the selected network interface card (NIC) and network segments it binds to. **IP Utility** will show a dropdown menu if there are multiple NICs available.

172.16.26.115 / 255.255.255.0	Basic Search	-
172.16.26.115 / 255.255.255.0		

The default search mode - **Basic Search** will perform a quick search for available ACTi devices in no time, which does not require the input of account/password.

Using Advanced Search for Detailed Device Properties

	Advanced Search		1.000	
	Basic Search			
-	Basic Search	-	55.0	5.26.115 / 255.255.2
	Basic Search	-	55.0	5.26.115 / 255.255.2

For the purposes of installation, system inspection or trouble-shooting, you may need a glance of device basic audio/video properties without accessing the cameras' firmware one by one, which are available through **Advanced Search**. However, it would take longer to finish searching. The search result will show as picture below which contains four sections-A, B, C and D:

-	Refre	esh Change Networ	k Device Settings	Firmware Upgrade	Config. Backup	Config. Restore	Reset Save Re	boot
	Sca	n TroubleShootin	g					
60								
	IP Address	Serial No.	Camera Name	MAC Address	Firmware Version	Model	Multicast IP	Status
	172.16.26.125	0001		5C:F3:70:17:BB:0D	A1D-900-A1.01.02-AC	Mega Pixel	228.5.6.1	
)	172.16.9.158	A41-00AXX-16A-0200		00:0F:7C:11:35:7D	A1D-900-A2.01.00-AC	Megapixel IP Camera	228.5.6.1	
)	172.16.9.49	A81-00AXXX-15K-0139	Camera-1	00:0F:7C:10:DD:67	A1D-900-A2.01.03-AC	Megapixel IP Dome Ca	228.5.6.1	
)	172.16.9.112	ACM3701-10H-X-00473	Camera-1	00:0F:7C:05:48:05	A1D-220-V3.14.19-AC	Mega IP Dome	224.16.17.36	
)	172.16.26.153	ACM7511-09F-X-00005	Camera-1	00:0F:7C:02:F3:59	A1D-220-V3.13.16-AC	IP Dome	228.5.6.1	
)	172.16.26.53	B215-A-XX-15I-00009	Camera-1	00:0F:7C:10:8E:DC	A1D-501-V7.02.15-AC	Megapixel IP Camera	228.5.6.1	
)	172.16.26.4	B47A-XX-14C-00014		00:0F:7C:0C:D9:D1	A1D-500-V6.10.25-AC	Megapixel IP Camera	228.5.6.1	
)	172.16.26.108	B511-A-XX-15K-00082		00:0F:7C:10:F8:50	A1D-502-V8.02.03-AC	Hemispheric Camera	228.5.6.1	
	172.16.26.107	B53A-XX-16C-00031		00:0F:7C:11:82:DE	A1D-500-V6.10.25	apivel IP Dome	228.5.6 1	
)	172.16.26.131	B56A-XX-13I-00007		00:0F:7C:0B:B7:64	A1D-500-V6.08.30		Ce 22 56 St	
)	172.16.26.146	B57A-XX-16G-00005	Camera-1	00:0F:7C:12:00:1A	A1D-503-V9.00.31-A	.nispheric Camera	228.5.6.1	
	172.16.26.68	B57A-XX-16G-00006	Camera-1	00:0F:7C:12:00:1B	A1D-503-V9.00.31-AC	Hemispheric Camera	228.5.6.1	
)	172.16.26.93	B65A-XX-13K-00020	Dome	00:0F:7C:0C:58:84	A1D-500-V6.10.25-AC	Megapixel IP Dome	228.5.6.1	
)	172.16.26.235	B67A-XX-13J-00002	Aldo	00:0F:7C:0C:20:6E	A1D-500-V6.10.25-AC	Megapixel IP Dome	228.5.6.1	
	172.16.9.32	B74A-01-12A-99198	Dennenbosweg-2	00:0F:7C:12:34:78	A1D-502-V8.02.00-AC	Hemispheric Camera	228.5.6.1	
)	172.16.26.145	B914-A-01-12A-01002	Camera-1	00:1F:7C:EF:02:02	A1D-503-V9.00.28-AC	Megapixel IP PTZ Came	228.5.6.1	
)	172.16.26.121	B934-A-XX-16F-00003	Camera-1	00:0F:7C:12:16:BE	A1D-501-V7.03.05-AC	Megapixel IP Speed Do	228.5.6.1	
	172.16.9.131	B945-A-01-15A-00004	Camera-1	00:0F:7C:10:30:36	A1D-501-V7.03.01-AC	Megapixel IP Speed Do	228.5.6.1	
)	172.16.26.143	B96A-A-XX-14K-00008	Camera-1	00:0F:7C:09:94:28	A1D-500-V6.10.25-AC	Megapixel IP PTZ Came	228.5.6.1	
)	172.16.26.20	D21A-XX-13B-00002		00:0F:7C:0A:1E:3B	A1D-500-V6.10.04-AC	Megapixel IP Camera	228.5.6.1	
)	172.16.26.142	E219-A-XX-16C-00003	Camera-1	00:0F:7C:11:A1:21	A1D-501-V7.00.44-AC	Megapixel IP Camera	228.5.6.1	

A Configuration Tool Bar: All the functions listed here are configurable through IP Utility. Other than "Refresh", each option can be executed on multiple devices with global setting. **NOTE**: All the configuration tools here are only applied to the cameras / video servers you selected from the **Device List** below.

B Device List: Shows device information.

•The checkboxes of camera / video server products are enabled for selections when executing functions listed on Configuration Tool bar. For standalone network recorder products, the checkboxes are disabled; you may connect to the discovered network recorders y clicking on the IP addresses.

0	172.16.26.228	Camera-1	00:0F:7C:09:AC:D8	A1D-311-V5.09.04-AC
0	192.168.0.10	ENR	00:1D:B6:0B:0A:13	ENR-010-V1.00.02-AC
0	192.168.0.95	XNR4200	00:19:0F:06:BF:9A	XNR4200
0	192.168.1.10	GNR2000	00:19:0F:07:39:65	GNR2000

- For multiple-channel devices (e.g., video encoder), a ± icon would be available. Click on it to expand the channel list, click = icon again to collapse list.
- Move your mouse cursor over the ¹ icon to reveal device properties in a floating window.

R	172.16.26.7	Camera-
VII VII V2 PC	DEO_ENCODER=H20 DEO_RESOLUTION= DEO_FPS_NUM=30 _AUDIO_ENABLED= DRT_VIDEO=3007 DRT_CONTROL=200	N720x480 a- 0 a-
	_PORT_RTSP=7070 DRT_HTTP=1007	20

- **C Global Setting Parameter**: Input proper account/password here to access selected devices.
- **D** Manual Input Bar: You can manually input IP address here for device that is reachable from your network but not showing up in search result. As long as you successfully add a device and connect to it, it will be remembered in the device list until you remove it.

Observing the Device Status

Each device status is shown in the Status column behind every entry.

Device Connection Status

Connection status:

- Gray-out \rightarrow this device is not reachable via global setting parameter.
- Black \rightarrow this device is reachable.

Status Message:

- •The device IP address has conflict with another devices \rightarrow Ip address conflict.
- •This device is added manually \rightarrow this device was added manually.



• Fail in authentication for querying device information \rightarrow Wrong account/password.

Configuration Status

Each time you apply settings to devices with global settings, the status column would display the result. For example, if you reboot a camera, its status would appear as "Rebooting" during the process, and turns to "Success in save&reboot device" when finished. On the other hand, if the configuration fails, the status would show "Fail to save & reboot device".



Configuring Device Settings

For configurations including Date / Time, Motion, Video / Audio and URL, they are available when the checkbox is checked.

In IP Utility, selected the device(s), and click "Device Settings".

Device Settings		23
Date / Time Motio	n Video /Audio URL	
Date / Time Se		-
Set Date / Time settings to	Apply	
Date / Time Settings Me	otion Detect tings Video / Audio Settings URL Settings	
🐼 Set Date / Time settings to dev		
	192 . 168 . 0 . 2	
Sync Time 1	- Hour	
Time Zone (UTC+08:00) Taipei	
Day Light Saving		
	Apply	

Configuring Date/Time

On **Date/Time** tab, choose the SNTP/NTP Server if you want the device to sync with the time server of your choice; or choose "Set Manually" to give specific time setting to the device.

For certain time-sensitive surveillance systems, you may modify the Daylight Saving Time according to the DST rule of that country or region.

SNTP/NTP Server	🔘 Set Manu	ally							
IP Address	192 1	68 .	0.2						
Sync Time	1 Hour	•							
Time Zone	(UTC+08:0	0) Taip	pei						-
Day Light Saving									
Start Time	Type 1	-							
Start fille	March	•	Second	•	Sunday	•	02:00	•	
	Type 1	-							
End Time	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								

Configuring Motion Settings

Motion detection is a key element in most surveillance systems; it can be used as a trigger for events such as sending notifications or alarms to system monitor. ACTi camera supports three motion detection regions, which are configurable through **IP Utility**.

In Motion tab, check "Set Motion Detection Settings to devices".

1. Select the region, input the X coordinate(X), Y coordinate(Y), width (W) and height (H) value into the four boxes.

Region	Size and Position	Sensitivity	Trigger Time	Threshold
1	Full Image Size 150 170 Keep current seltings	70 •	1 •	10 -
2	Full Mage Size W H X © Keep current settings	70 •	1 •	10 •
3	Full Image Size X Example A size X Constant of the settings	70 •	1 •	10 •

NOTE: The default motion region setting is "Full image size". Please select "Keep current settings" if motion regions have been modified and you do not wish to change them.

NOTE: You can click ³ on top right of this window to bring up detailed instructions on setting motion regions.

2. Sensitivity, Timer and Threshold configurations:

Sensitivity – Determines how sensitive the camera reacts to the movement. The higher is the sensitivity level, the smaller motion will trigger the alarm, default is 70.
Timer - The time period from the beginning of the triggered event during which the all motion activities are ignored by the camera, default is 1 second.

Threshold – Determines at what point the motion detection feature is triggered. The higher threshold means more variance of pixels in view is needed to trigger the alarm, default is **10%**.

Configuring the PIR Settings

Not all devices support PIR motion detection. For devices that are built-in with this function, you can configure the Sensitivity and Timer of the PIR detector here.



Configuring the Video / Audio Settings

The video configurations such as resolution, frame rate or encoder type are the keys in user's application. However, they vary by different platforms and camera capabilities. For example, ACTi ACM cameras support MJPG and MPEG4 encoders, while TCM cameras support MJPG, MPEG4 and H.264 encoders. To let user manage various devices regardless of those configuration differences, **IP Utility** provides complete lists of options for both video and audio configurations; if the option you choose is not supported by the model, **IP Utility** will apply the next mediate value.

-	ion Detection Setti		Video / Audio Settin	9-	URL Settings	
eo / Audio Settin	gs					
et Video / Audio Settings to de	evices					
Video Streaming Mode	Single		O Dual		 Triple 	
Video Stream Settings	Stream 3	L	Stream 2	2	Stream	3
Video Encoder	H264		H264	-	H264	-
Video Resolution	Max.	•	Max.	+	Max.	•
Video Frame Rate	Max.		Max.	•	Max.	•
Video Bitrate Mode	Constant	-	Constant	•	Constant	-
Video Max. Bitrate	Unlimited	•	Unlimited	•	Unlimited	•
Video Bitrate	2M	-	2M	-	2M	•
Video Quality	HIGH	Ŧ	HIGH	Ŧ	HIGH	Ŧ
Video GOP	1	*	1	Ŧ	1	w
Audio In Status	• Enable	🔿 Di	sable			
Autio In Sensitivity	High	-				
Audio Out Volume	84	•				

Configuration	Description
Video Streaming	For devices with dual stream functionality, they can use a smaller video
Mode	stream for live view with lesser frame rate to save CPU power. Meanwhile
	the recording stream can be larger and have more FPS to retrieve
	evidence when needed.
Video Encoder	Select the encoder's compression type.
Video Resolution	Select the video resolution of the device. "Max" will automatically pick the
	max resolution of each device's capability.
Video Frame Rate	Select the available frame rate. "Max" will automatically pick the max
	frame rate of each device's capability. "Half "will use the half of the
	device's max supported value ,as "Quarter" will use the quarter of the
	device's max supported value.



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Video Bitrate Mode	Constant Bit Rate: The bit rate remains constant at all conditions, Video
	quality will be better when image is still. Large amount of motion or
	complex scene will degrade quality slightly.
	Variable Bit Rate: The video bit rate will vary based upon scene complexity
	and amount of movement. The quality will remain the same.
Video Max Bitrate	This puts a hard cap on the maximum bit rate allowed in any given second
(Constant Bitrate	of video streaming. Assigning a limited bit rate may result in a few dropped
only)	frames rate when the stream data overflows the allowed bit rate. Doing so
	will also disable Bit Rate setting below.
Video Bitrate	This is the target bitrate that the camera will attempt to provide when using
(Constant Bitrate	Constant Bitrate mode, only enable when you selected "Unlimited" for
only)	Video Max Bitrate. The actual value will fluctuate slightly based on scene
	changes.
Video Quality	This configuration is only available if the video encoder is H.264 or
	MPEG4 and the video bitrate mode is Variable Bitrate Mode. For devices
	that use Low/Medium/High settings for video quality, the settings 1~100 in
	this configuration will be converted to those three levels like this:
	1~33→ Low; 34~66→Medium; 67~100→High
GOP Length	When encoder type is MPEG4 or H.264 and video bitrate mode is
(Variable Bit Rate	"Variable Bit Rate". Select the Interval between two I-frames. This is also
Only)	called GOP Length. (Group of Picture).
Audio In State	Enable or disable Audio In via the check box.
Audio In Sensitivity	Choose the sensitivity level of line-in audio
Audio Out Volume	Control the output volume of Audio Out here

NOTE: If the device does not support audio function, IP Utility should skip audio setup to the device.

The Simplest Way to Command Multiple Devices

ACTi devices support URL API. Through **IP Utility**, you can setup multiple devices simultaneously by inputting corresponding URL command and send to selected devices. For example, adding two different user accounts to multiple devices would take you several steps a firmware page. By using URL command, you only have to do setup once and apply to all.

1. On Configuration tool bar, click "Device Settings".

Refresh	Change Network	Device Settings	Firmware Upgrade	Config. Backup	Config. Restore	Reset	Save Reboot
Scan	TroubleShooting		•				



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- 2. In URL tab, check "Send URLs to device".
- 3. Select the CGI and input the command, then click "Apply".

botto, finite bettings	Motion Detection Settings	Video / Audio Settings	URL Settings
URL Settings _			?
Send URLs to device:			
CGI	SYSTEM +		
Commands			Add
🜠 NO	CGI	Commands	

NOTE: You can click on top right of this window for more descriptions and examples of URL settings.

How to Change Device IP Address

IP Utility provides a convenient way for you to modify IP addresses of a group of devices in merely few steps.

- 1. Select devices you wish to configure, and make sure they use the same global settings (account and password).
- 2. On Configuration Tool Bar, click "Change Network Address".

If you are using DHCP sever for your network, please choose "Dynamic IP Address"



 Or you can assign static IP addresses by giving a starting address. Bases on the starting IP address, IP Utility will search for available IP addresses and assign them to selected devices.

For example, with the given starting address as "192.168.0.100", selected three devices are individually assigned 192.168.0.100, 192.168.0.101 and 192.168.0.103, as 192.168.0.102 has beend used by another device in the network.

v		the state of the s	×		
Change Netwo	ork Address _				
Oynamic IP Address					
Static IP Address				192.168.0.100	
Follow DHCP IP s	ettings			192.168.0.101	
Starting IP Address	µ92 . 168 . 0	. 100		1021100101101	
NetMask	255 . 255 . 255	. 0	·	192.168.0.102	Skipped
GateWay	192 . 168 . 0	. 254		(in use)	on ppos
			Apply		
				192.168.0.103	

NOTE: Before assigning static addresses to a number of devices, please make sure:

- 1. There are enough IP addresses available in the subnet.
- 2. The starting address and gateway address are in the same subnet.
- 3. The starting address and gateway address are unicast IP addresses.



Upgrading Firmware

As ACTi continues innovating and developing new products, later generation models often come with newer designs. Therefore, the firmware system of different platforms would vary. Your devices may carry one, two or three kinds of firmware to respectively enhance different performances. However, these firmware files are not compatible to all devices. IP Utility's "Smart firmware upgrade" design helps you choose the appropriate firmware file. Before upgrading device firmware, it is important that you (1) are totally aware of the platform and versions of the firmware of the device (2) have read though and understood the device firmware manual and release note (3) have downloaded the proper firmware files to be upgrade with.

- 1. Put the downloaded firmware files in the same folder, and keep their filenames unchanged.
- 2. On Configuration tool bar, click "Firmware Upgrade".

Refresh	Change Network	Device Settings	Firmware Upgrade	Config. Backup	Config. Restore	Reset	Save Reboot
Scan	TroubleShooting						

3. IP Utility can detect your device firmware version and bring you through appropriate upgrading process. Firstly, you get to choose what kind of firmware file to upgrade. For example, you device carries two types of firmware files, the popup window will provide you two file type selections:**

🔮 Firmware l	lpgrade	
	Upload File Type ISP Image ISP File Type ISP Firmware	
Upgrad	e the latest firmware	
OUpgrad	e the specific firmware	
F	rmware image Path Browse)
	Apply	

If your device only carries one type, then only one type selection is provided.

U	×
Firmware Upgrade	Camera/Video Encoder Firmware Image
Upgrade the latest firmware	
(Search and pick latest matching firmware in the selected folde change filename of firmware)	r and its sub folder automatically Note : Please do not
Firmware Image Path	Browse
O Upgrade the specific firmware	

4. Select "Upgrade the latest firmware" to have **IP Utility** automatically decide the firmware file from the location you give; or "Upgrade the specific firmware" if you know which file to use. Then choose the file or folder location, and click "Apply".

NOTE: The device will reboot automatically after an image upload completes. Do not disconnect the device until the completion of firmware upgrade.



Making Backup of the Device Configurations

For security need, a backup of the device settings is good to help you troubleshoot or recover it. It

is strongly recommended that you save backup files of devices after the configurations.

- **1.** Select the devices.
- 2. On Configuration Tool Bar, click "Config. Backup".

Refresh	Change Network	Device Settings	Firmware Upgrade	Config. Backup	Config. Restore	Reset	Save Reboot
Scan	TroubleShooting						

3. Choose a location to save the backup files. It will be saved as an .ini file.

9	10.07 (1.00.00 V) ALC 480-402	
Config. Backup	-	
Save File Path		Browse
	Backup File Naming Rule: Conf	f_MAC_Channel_YYYYMMDD.ini
		Apply
		Арріу

Restoring the Device Configurations

To restore the configuration to a device, select the device to perform "Config Restore". Before proceeding, please carefully check if the backup file matches your selected device.

- 1. Select the device.
- 2. On Configuration Tool Bar, click "Config". Restore".

Refresh	Change Network	Device Settings	Firmware Upgrade	Config. Backup	Config. Restore	Reset	Save Reboot
Scan	TroubleShooting						

3. Choose the location of the backup file to perform restoring. If you can't tell from the file names which to use, simply choose the folder where it is, **IP Utility** is able to recognize the matching file and locate it.

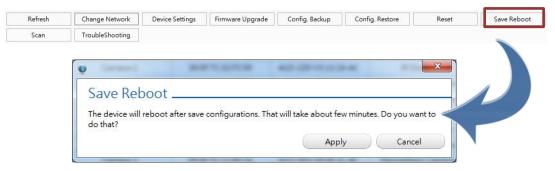
O	×
Config. Restore	
 Restore Configurations form the specific file fold Restore Configurations form one configuration f 	
Save File Path	Browse
	Apply



Rebooting the Devices

There are chances that certain devices need a refresh cycle; **IP Utility** allows you to save & reboot many devices in a go.

- **1.** Select the devices.
- **2.** On Configuration Tool Bar, click "Save & Reboot". In this case, you may choose to reboot the device while saving all current setting.



If you simply want to clear all the settings on the device to start over again, "Resetting" can restore its factory default values except network settings. Therefore, this device still uses the same IP address after resetting.

Refresh	Change Network	Device Settings	Firmware Upgrade	Config. Backup	Config. Restore	Reset	Save Reboot
Scan	TroubleShooting						
	All co HTTP after	port settings w	ill be rest to factor tions. That will tak	ry default. The d			

NOTE: The "Save & Reboot" or "Reset" process isn't completed until the device status displays a success message. During this period, please do not disconnect the device.

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Scan

The Scan function allows users to set the IP address range of the devices which IP Utility will scan. Add more IP range or even an IP range from a different subnet to let IP utility scan the devices within the selected subnet(s). Simply set the starting and ending IP address range and click **Add Range**, then click **Scan Devices**.

						Starting IP A	
	can	Start Sca		Add Range		нт	
Range	Status	Qty	PORT	Ending IP Address	Starting IP Address	NO	
Remove		200	80	172.16.26.200	172.16.26.1	1	
	Status		and the second s				

To remove an IP range from the list, click the corresponding **Remove** button.

Troubleshooting

The Troubleshooting page is mainly used to assists users in troubleshooting the device as needed.

- Bootloader&Firmware: Select to upgrade the bootloader and image firmware to a device. This feature is mainly used for in depth technical support.
- 2. BlackBox: Use this function to save device log data to send to technical support team for troubleshooting purposes.

Q	0.011	ALC: NO. 412110.00 (4)	×
TroubleShooti	ng		
 Bootloader&Firmware BlackBox 			
Save File Path			Browse
			Apply

Changing UI Language

IP Utility supports multiple languages. You can select your desired language by pressing this combination of three keys: **ctrl+alt+j**.

		English	
ore	Reset	Save Reboot	

Read Search Result

IP Utility saves the search result after every device search process. That helps user to keep the camera installation information. The record file is saved in the same folder of IP Utility application.

The file name indicates the time of device search:

IPUtility_YY_MM_DD_HH_mm_ss

					×		
♥ v4.3.01			- ↓	Search	/4.3 🖌		
File Edit View Tools Help							
Organize 👻 📑 Open 🛛 Share with 🔻	E-mail	Burn New f	older	-	0		
Name	Date modified	Туре	Si	ze			
🧕 IP_Utility	2013/9/10 下午	02: Applica	tion	3,676 KB			
IP_Utility_Setting	2013/9/20 上午	= 11: Configu	uration sett	2 KB			
🐴 IPUtility_130912145718	2013/9/12 下午	= 02: Microso	oft Office E	11 KB			
🐴 IPUtility_130914103835	2013/9/14 上午	= 10: Microso	oft Office E	10 KB			
🐴 IPUtility_130914103909	2013/9/14 上午	= 10: Microso	oft Office E	11 KB			
🐴 IPUtility_130914110151	2013/9/14 上午	= 11: Microso	oft Office E	10 KB			
🐴 IPUtility_130914110953	2013/9/14 下午	= 12: Microso	oft Office E	11 KB			
🐴 IPUtility_130918104503	2013/9/18 下午	= 01: Microso	oft Office E	8 KB			
🐴 IPUtility_130918135536	2013/9/18 下午	= 01: Microso	oft Office E	7 KB			
B IPUtility_130920123114	2013/9/20 下午	= 12: Microso	oft Office E	1 KB			

Use Microsoft Office Excel to open this report, which records the every device's IP Address,

Serial Number, MAC Address, FW Version, Model and Multicast IP information

A	В	С	D	E	F
IP Address	Serial No.	MAC Address	FW Version	Model	Multicast IP
172.16.15.150	PAP-BOOTTESTER-0102	00:0F:7C:EF:28:43	PAP-BootTester-V1.00.01-AC	PAP Boot Tester	
172.16.15.148	ENR1000-A-12J-00082	00:0F:7C:11:22:34	ENR-010-V3.99.15-AC	4 CH Embedded NVR-ENR1000	
172.16.15.90	PAP-BOOTTESTER-0104	00:0F:7C:EF:25:63	PAP-BootTester-V1.00.01-AC	PAP Boot Tester	
172.16.15.133	PAP-BOOTTESTER-0103	00:0F:7C:EF:E7:23	PAP-BootTester-V1.00.01-AC	PAP Boot Tester	
172.16.15.114	E89A-01-12A-89001	00:0F:7C:E8:90:01	A1D-500-V6.05.08-AC	Megapixel IP Dome	228.5.6.1