ConfigTool User's Manual (Windows Version)

V4.2.0

Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning:

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.

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1 Product Overview

ConfigTool is a system tool with the following functions:

Real time monitoring preview of IPC, NVR, DVR and other devices, and support setting of video effects.

Set IPC and other device network parameter, encode parameter and etc.

View device SN, version and model.

Upgrade device program.

Batch config device parameters.

2 Installation

You can refer to these steps to install ConfigTool.

2.1 Install

Step 1. Double click W. System pops up installation interface as in Figure 2-1.

Welcome	Option Install	1.00	63	13
	Q	<u> </u>		
	O			
	CONFIG	тоо		
		Ne	ext 街	Cancel (C)

Figure 2-1

Step 2. Click Next. System shows Please select a install directory box as in Figure 2-2.



Figure 2-2

- Step 3. Check I agree box, and click Browse to choose a directory.
- Step 4. Click Install. Install ConfigTool, and after it finishes, the system shows Figure 2-3.

Welcome	Option Install
100	
	INSTALLATION COMPLETE!
	Enjoy Now (E) Close (C)

Figure 2-3

Step 5. Click Close.



After installation is complete, double click on desktop to see Config Tool homepage.

2.2 Uninstall



Step 1. On PC, select Start>All Programs>ConfigTool>Uninstall ConfigTool. See Figure 2-4.

Figure 2-4

Step 2. Click Uninstall, so the system starts to uninstall. When uninstallation is complete, you can see Figure 2-5.

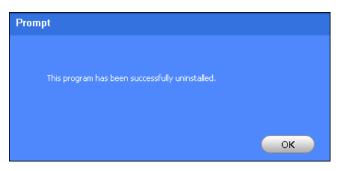


Figure 2-5

Step 3. Click OK. Process completed.

3 Daily Operation

3.1 Login



After installation completes, double click

All	IPC Others	SD SD	DVR 📃	NVR 4 IPV4	v	G
NO.	Туре	Model	IP	MAC	Version	Operate
1	DSS7016	DSS7016	10.15.6.96	90:02:a9:c0:4a:0c		00
2	ITC	ITC102-GVRB3A-IR	10.15.1.0	4c:11:bf:8f:c6:02	2.101.1.0	00
3	DSS4004	DSS4004	10.15.6.232	90:02:a9:da:49:71	6.05.000	00
4	HCVR	HCVR	10.15.6.244	4c:11:bf:52:65:46		00
5	HCVR	HCVR	10.15.70.72	90:02:a9:b9:fc:15		00
6	UN-NAS-24S- CTR	UN-NAS-24S-CTR	10.15.70.25	90:02:a9:69:58:52		00
7	NVR	NVR	10.15.5.186	90:02:a9:b9:5d:65	3.201.0000.1	00
8	VTO	VT01220B	180.180.2.7	90:02:a9:80:44:64	1.0.0.0	00
9	IPC-EB5400	IPC-EB5400	10.15.5.189	4c:11:bf:c0:b1:a8		00
10	IPC	IP Camera	10.15.5.188	90:02:a9:1e:31:f1	2.210.1.0	00
11	IPC	IPC-EBW8600	10.15.5.187	4c:11:bf:9a:74:7a	2.400.0.8	00
12	IPC- HFW4830	IPC-HFW4830EP-S	10.15.5.190	00:2a:3c:0d:ff:8a		00
	NVR	NVR	10.15.5.133	90:02:a9:69:b6:04		00
13	INVE					

Figure 3-1

No.	Function	Description
1	Menu	It includes the following six tabs:
		: one by one or batch modify device IP.
		: modify encode config and video config.
		: set system time, auto reboot or manually reboot, and restore
		default settings.
		: upgrade device one by one or as batch.
		: manage template and apply template. Template information

customize filter for search. Under All tab, it shows all search results. 5 Device List It shows searched device and device info, including type, model, IP, MAC			include encode config info and video config info. Management template allows to maintain template config info. Apply template is to modify device data by importing template.
3 Refresh Search device again. 4 Filter • Under filter tab, you can quickly filter device by set type, as well customize filter for search. 5 Device List It shows searched device and device info, including type, model, IP, MAC version. In Operation list, click 6 Delete Delete device you do not need in device list. 7 Manual Add Manually add known IP of device. 8 Batch Modify Modify more than one device IP at the same time.	2	Search	Search for device by IP.
 Filter Under filter tab, you can quickly filter device by set type, as well customize filter for search. Under All tab, it shows all search results. Device List It shows searched device and device info, including type, model, IP, MAC version. In Operation list, click it to view device details. Click it to qui open device WEB config interface. Click it to modify device IP. Delete Delete device you do not need in device list. Manual Add Manually add known IP of device. Batch Modify Modify more than one device IP at the same time. 		Setting	
customize filter for search. Under All tab, it shows all search results. 5 Device List It shows searched device and device info, including type, model, IP, MAC version. In Operation list, click It oview device details. Click It open device WEB config interface. Click It open device weB config inter	3	Refresh	Search device again.
 Device List It shows searched device and device info, including type, model, IP, MAC version. In Operation list, click to view device details. Click to qui open device WEB config interface. Click to modify device IP. Delete device you do not need in device list. Manual Add Manually add known IP of device. Batch Modify Modify more than one device IP at the same time. 	4	Filter	
version. In Operation list, click Ito view device details. Click Ito qui open device WEB config interface. Click to modify device IP. 6 Delete Delete device you do not need in device list. 7 Manual Add Manually add known IP of device. 8 Batch Modify Modify more than one device IP at the same time.			
7 Manual Add Manually add known IP of device. 8 Batch Modify Modify more than one device IP at the same time.	5	Device List	version. In Operation list, click of to view device details. Click of to quickly
8 Batch Modify Modify more than one device IP at the same time.	6	Delete	Delete device you do not need in device list.
1.8 I Modify more than one device IP at the same time.	7	Manual Add	Manually add known IP of device.
	8	-	Modify more than one device IP at the same time.

Chart 3-1

3.2 Add Device

Auto or manually search by IP, and show result in the device list. You can upgrade, set the searched device.

Warning:

Please make sure the network is well connected between device and PC where ConfigTool is installed, otherwise device will not be searched by ConfigTool.

3.2.1 Search to Add

3.2.1.1 Auto Search

After you have entered ConfigTool homepage, ConfigTool will auto search and show searched device in device list, see Figure 3-2.

Note:

• If it is your first time using ConfigTool, you shall be aware that device search is performed within the segment same with PC by default.

- Click O, search device again, and update device list info.
- Under Filter tab, you can filter device, and quickly search for device in the results. Under All tab, you will see all searched devices.
- For use after the first time, search is performed within segment used last time. Please refer to Ch 3.2.1.2.

	39 D	evices war	e found	Search set	ing			₹ -
	All	IPC	SD 📃	DVR 📃 NVF	IPV4	•		<u>Q</u>
	NO.	Туре	Model	IP	MAC	Version	Operate	
	1	DSS7016	DSS7016	10.15.6.96	90:02:a9:c0:4a:0c		00	e
	2	ITC	ITC102-GVRB3A-IR	10.15.1.0	4c:11:bf:8f:c6:02	2.101.1.0	0 🛛	e
	3	DSS4004	DSS4004	10.15.6.232	90:02:a9:da:49:71	6.05.000	0 🛛	e
	4	UN-NAS-24S- CTR	UN-NAS-24S-CTR	10.15.70.25	90:02:a9:69:58:52		0 🛛	0
	5	HCVR	HCVR	10.15.70.72	90:02:a9:b9:fc:15		00	0
	6	NVR	NVR	10.15.5.186	90:02:a9:b9:5d:65	3.201.0000.1	00	e
	7	VTO	VT01220B	180.180.2.7	90:02:a9:80:44:64	1.0.0.0	0 🛛	0
	8	IPC-EB5400	IPC-EB5400	10.15.5.189	4c:11:bf:c0:b1:a8		0	0
	9	SD	DH-SD59230T-HN	10.15.6.86	4c:11:bf:a6:4e:ea	2.400.0000.9.R.4	00	0
	10	IPC	IP Camera	10.15.5.188	90:02:a9:1e:31:f1	2.210.1.0	00	e
	11	HCVR	HCVR	10.15.6.144	20:16:02:22:14:58	3.216.0000.0	00	e
	12	SD	DH-SD50230T-HN	10.15.5.169	3c:ef:8c:61:b1:46	2.400.0.9	0	e
	13	IPC- HEW4830	IPC-HFW4830EP-S	10.15.5.190	00:2a:3c:0d:ff:8a		0 🛛	e
	14	BSC	BSC1204B	10.15.6.180	90:02:a9:cf:60:b2	V1.102.0000.0.R	0 🛛	e
	15	IPC	IP Camera	10.15.7.181	90:02:a9:43:4a:dc	2.420.0.5	00	0
P	Batch Mod	ify IP 🔹 🔹	0 devices ware se	elected		+ M:	anual Add	<u> Î</u> Del

Figure 3-2

3.2.1.2 Manually Search

?	40	Devices war	e found	O	Search setting	1			
	All	IPCOthers	SD [DVR	NVR	IPV4	_		Q
	NO.	Type	Model	IP		MAC	Version	Operate	
	1	Setting					×	0 🛛	0
	2							0 🛛	e
< -	3		🗹 Current Se	gment Search		Other Segment Sea	rch	00	0
	4						2	00	e
	5	01-110	474 05	0	5×415	174 05		0 🛛	0
	6	Start IP	171 . 35 .	0.0	End IP	171 . 35 .	0 . 255	0 🛛	0
	7	Username	admin		Password			00	0
	8							00	0
	9						3 4	0 🛛	0
	10						ОК	0 🛛	0
	11	THOM	nom	10.13.0.144		20.10.02.22.14.30	3.210.0000.0	00	0
	12	SD IPC-	DH-SD50230T-HN	10.15.5.169		3c:ef:8c:61:b1:46	2.400.0.9	00	e
	13	HFW4830	IPC-HFW4830EP-S	10.15.5.190		00:2a:3c:0d:ff:8a		00	e
	14	BSC	BSC1204B	10.15.6.180		90:02:a9:cf:60:b2	V1.102.0000.0.R	00	e
	15	IPC	IP Camera	10.15.7.181		90:02:a9:43:4a:dc	2.420.0.5	00	e
R	Batch Mo	dify IP 🔹 😽	0 devices ware :	selected			۹ 🕂	/lanual Add	间 De

Figure 3-3

Step 1. In ConfigTool homepage, click Search setting . System pops up Setting box.

Step 2. Set criteria of search, see Chart 3-2.

	iteria di Seardi, See Gilait 5-2.	1
Parameter	Explanation	Note
Current Segment Search	Current segment, which is IP segment after of PC where ConfigTool is installed. Check current segment search, then it will only search device in current segment. For first time use, auto search uses default criteria.	current segment search AND other
Other Segment Search Start IP End IP	Check other segment search, set start IP and end IP, so it searches only device in this set segment.	
Username	When you modify IP, configure device	-
Password	parameter, configure system parameter and upgrade device, searched username and password at login.	

Chart 3-2

Step 3. Click OK. In device list, it shows searched device.

Note:

- Click 🖸, search device again, and update device list info.
- Under Filter tab, you can filter device, and quickly search for device in the results. Under All tab, you will see all searched devices.
- When you close this software, it will save search criteria, so you see these saves criteria when you open ConfigTool for the next time.

	31	Devices wa	re found	Sear	ch setting			
1	All	IPC	SD SD	DVR 📃	NVR IPV2	4 -		Q
	NO.	Туре	Model	IP	MAC	Version	Operate	
	1	M70-4U	nual Add			×	00	e
	2	DH- NVR4					0 0	e
	3	ITC	IP Address			.0	00	e
	4	DH- NVR4	ii Madicoo		3		0 🔒	e
	5	DSS400	Username			o	0	e
	6	DSS70	Password			D	0	e
	7	NVR	Port			000.1	0	e
	8	HCVR					0	e
	9	VTO					0	e
	10	IPC			OK	4 0	0	e
	11	HCVR	HCVR	10.15.1.125	90:02:a9:da:88:61		0	e
	12	NVR	NVR	10.15.5.133	90:02:a9:69:b6:04		0	e
	13	EBW8600	IPC-EBW8600	10.15.5.187	4c:11:bf:9a:74:7a		0 🖬	e
	14	NVD	NVD	10.15.6.246	4c:11:bf:39:27:83		00	e
	15	IPC	IPC-EB5400	10.15.5.189	4c:11:bf:c0:b1:a8	2.420.0.10	0 🖬	e
	Batch Mc	idify IP 😽	0 devices ware	aslasted		2 🕂	Manual Add	圃

3.2.2 Manually Add

Figure 3-4

Step 1. Click

- Step 2. Click + Manual Add . System shows manually add interface.
- Step 3. Set parameter, refer to Chart 3-3.

Parameter	Note
IP Address	Add device IP address.

Username	Username and password to login.				
Password					
Port	Add device port no.				

Chart 3-3

Step 4. Click OK. Added device is shown in device list.

Note:

You can set search filter, which allow you to quickly filter out device you want.

3.3 Modify IP

You can modify a single IP or batch modify IP.

3.3.1 Modify IP

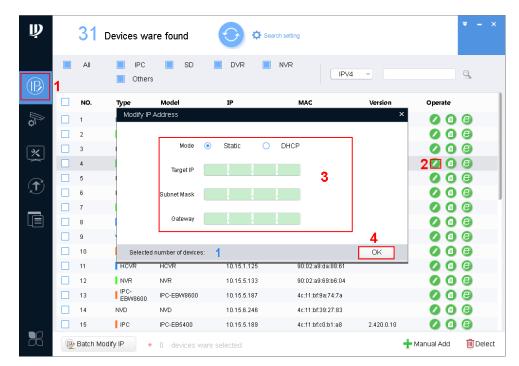


Figure 3-5

Step 1. Click

System shows Modify IP Address interface.

Step 2. Click Of device you want to modify its IP.

Note:

If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

- Step 3. Set mode, target IP, subnet mask and gateway.
- Step 4. Click OK.

3.3.2 Batch Modify IP

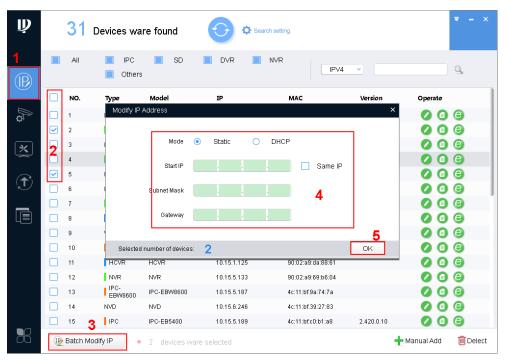


Figure 3-6

Step 1. Click I to enter batch modify IP interface.

Step 2. Select device you want to modify IP.

```
Note:
```

If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

Step 3. Click Batch Modify IP, system pops up Modify IP box.

Step 4. Set start IP, subnet mask and gateway.

Note:

Check Same IP will set the same IP for all devices involved.

Step 5. Click OK.

3.4 Configure Device Parameter

Configure device parameter, including encoding parameter and video parameter.

3.4.1 Set Encoding Parameter

ConfigTool supports setup of device bit stream type, encode mode, resolution and etc.

Step 1. Click , system shows device config interface, see Figure 3-7.

Ņ	25 Devices ware found 📀 🌣 Search setting	-	×
	 PC SD DVR NVR Others 		
B			

Figure 3-7

Step 2. Select device to configure encode parameter, click Get device info, and system shows Encode interface, see Figure 3-8.

Note:

- Double click device you want to configure encode parameter, and you also can enter Encode interface.
- Please change password after login for the first time.
- If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

Ņ	31 Devices ware	found 🔅 Search setting	▼ - ×
	Q	Encode Image	
(\mathbb{R})	▼ IPC 10.15.5.188	Channel 1 👻	
	10.15.5.187 10.15.5.189	Main Stream	
Ø₽.	10.15.6.239 10.15.7.181 10.15.5.190	CodeStream Type Regular v Compression H.264H v	
	► SD ► DVR	Bit Rate Type 💿 CBR 🔿 VBR Audio 🗹	
*	 NVR Others 	Frame Rate 15	
		Resolution UXGA - Audio Encode G.711A -	
(\uparrow)		Quality 4	
		Bit Rate(Kb/S) 4096 -	
		Sub Stream	
		CodeStream Type Regular Compression H.264H	
		Bit Rate Type 💿 CBR 🔿 VBR Audio/Video 🗌 🗹	
		Frame Rate 15	
		Resolution D1 - Audio Encode G.711A -	
		Quality 4	
		Bit Rate(Kb/S) 1024 -	
B			OK

Figure 3-8

Step 3.	Set encode parameter, see Chart 3-4.
---------	--------------------------------------

Parameter	Note
Channel	Select corresponding channel.
Code Stream	Device main stream or sub stream type.
Туре	
Compression	Video compression format, you can configure: MJPG, H.264B, H.264H, H.264.
	H.264:Main Profile encoding
	H.264H: High Profile encoding
	H.264B: Baseline Profile encoding
	• MJPEG: under this encoding mode, video image required high bit rate to ensure
	video quality, so the max bit rate in reference is recommended.
Bit Rate Type	Include CBR, VBR. You can set quality under VBR only.
Frame Rate	Frame rate of current channel.
	PAL: 1 fps~25fps. NTSC: 1fps~30 fps.
Resolution	Include multiple resolutions; each type corresponds to different bit rate.
Quality	Quality of video in current channel.
Bit Rate	• Under CBR, this value is the max. Under dynamic video, video frame rate and
	quality may be lowered to ensure not exceeding this value.
	 Under VBR, this value is meaningless.

Chart 3-4

Step 4. Click OK.

3.4.2 Set Video Parameter

ConfigTool supports to view device live preview image and set video effect.

Step 1. Click , system shows device config interface.

Step 2. Select device to configure video parameter, click Get device info.

Note:

- Double click device you want to configure , and then enter Encode interface.
- If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

Step 3. Click Image tab, system shows Image interface, see Figure 3-9.

Ņ	42 Devices ware	e found	Search setting	-	- ×
	 ✓ IPC 10.15.5.188 10.15.5.189 10.15.5.190 10.15.7.181 10.15.6.187 10.15.5.193 10.15.5.193 > SD > DVR > NVR > Others 	Encode Image	Easy Focus	Brightness Contrast Saturation Day/Night Mod	Soft - 50 - 50 - 50 - 50 - 50
R					

Figure 3-9

Ctop 1	Set channel and color,	maantima wax waa	View proview	Coo Chort 2 E
Step 4	Set channel and color	meantime vou wan	view preview	See Unar 3-5
0.00	oot onlannor and ooron,	mountaine you man	non pronom	000 011411 0 01

Parameter	Note
	 When window is in normal size, click in the video window to display in full screen. When video is in full screen, click to return to normal size.
Channel	Select channel to be monitored.
Color Mode	Preset three modes (standard, bright, soft)
Brightness	Used to adjust overall brightness. When image is bright or dark, you can adjust this value. The overall brightness of image will change. The higher the value, the mode bright the image will be.

	Range: 0~100. Recommended value is 40~60. Default is 50.
Contrast	Used to adjust overall contrast.
	When image contrast is not OK, you can adjust this
	value. The overall contrast of image will change.
	The higher the value, the difference between bright
	and dark park is more obvious.
	Range: 0~100. Recommended value is 40~60.
	Default is 50.
HUE	Adjust HUE of image.
Saturation	Adjust image saturation.
BLC Mode	Off: Close BLC mode.
	• BLC: Increase brightness of main body in dark
	image.
	• WDR: When light comparison of image is
	strong, it adjusts strong and weak lights in
	image, increasing dynamic range of imaging
	model.
	 HLC: Reduce string light, and balance light.
Day/Night Mode	Set video into color, black/white, or auto mode.
Easy Focus	Assist to adjust focus.
Default	It restores default value of brightness, contrast, hue
	and saturation.
Zoom In	Zoom in image with your mouse wheel.
Original Image	After image is zoomed in, right click mouse to go to
	original image display.
	original image display.

Chart 3-5

Step 5. Set Easy Focus.

1) Click Easy Focus. See Figure 3-10.

Easy Focus	×
	1. Minimum focal length Before adjustment, manually camera focal length to min. Make sure there is no moving object in front of lens.
	2.Max focal length
	Click the Sample button,and adjust focus length to the max manully.
	3.Adjust focal length
	Click the Adjust button, and make the instruction line into the best area by adjusting camera focus.
Sample Adjust Stop	

Figure 3-10

2) Follow guide on the right and start to sample, see Figure 3-11.

Easy Focus	×
	1. Minimum focal length Before adjustment, manually camera focal length to min. Make sure there is no moving object in front of lens.
	2.Max focal length
	Click the Sample button,and adjust focus length to the max manully.
	3.Adjust focal length
	Click the Adjust button,and make the instruction line into the best area by adjusting camera focus.
Sample Adjust Stop	

Figure 3-11

Adjust until image is clear as in Figure 3-12.

Easy Focus	×
The Best Area	1.Minimum focal length Before adjustment, manually camera focal length to min. Make sure
	there is no moving object in front of lens.
	2.Max focal length
	Click the Sample button,and adjust focus length to the max manully.
	3.Adjust focal length
	Click the Adjust button, and make the instruction line into the best area by adjusting camera focus.
Sample Adjust Stop	

Figure 3-12

Note:

Red line is the definition value of current image. Green line is the definition value when focus changes from min to max.

3.4.3 Batch Setup

Via import or direct application template, batch set device encoding parameters and video parameters.

3.4.3.1 Direct Application

Apply default template to device under the same type.

Step 1. Click . System shows Template setup interface. See Figure 3-13.

Ŵ	42 Devices ware found	Search setting	▼ - ×
	Template Management	Tem	plate Application
le l			
×			
$(\mathbf{\hat{T}})$			
BR			
		Figure 3-13	
Step 2. Click	. System shows Template	Management interface, see	Figure 3-14.
Step 2. Click	System shows Template <u>42</u> Devices ware found	Management interface, see	Figure 3-14. v - ×
Ņ		Search setting	Figure 3-14. Image: The second sec
_	42 Devices ware found	Search setting	▼ - ×
Ņ	42 Devices ware found	Search setting	▼ - ×
	42 Devices ware found	Search setting	▼ - ×
(B) I	42 Devices ware found	Search setting Entry Template NVR Template	▼ - ×
	42 Devices ware found	Search setting	▼ - ×
	42 Devices ware found	✓ Search setting DVR Template NVR Template Video Enable Sub Stream Regular Encode Mode FCC_MPEG4	▼ - ×
	42 Devices ware found Image: Template Management Template Type: IPC Template IPC Template PTZ Template Template Name: Encode Config Main Stream Regular • Encode Mode FCC_MPEG4 • Vedio Standard PAL •	Video Enable Video	v − ×
	42 Devices ware found	✓ Search setting DVR Template NVR Template Video Enable Sub Stream Regular Encode Mode FCC_MPEG4	v − ×
	42 Devices ware found Emplate Management Template Type: PC Template PTZ Template	✓ Search setting DVR Template NVR Template Video Enable Sub Stream Regular Encode Mode FCC_MPEG4 Vedio Standard PAL Resolution QQNHD	v − ×
	42 Devices ware found Emplate Management Template Management Template Type: PC Template PC Template PTZ Template Template Name: Encode Config Main Stream Regular Encode Mode FCC_MPEG4 Vedio Standard PAL Resolution QONHD Frame Rate	Video Enable Video Enable Video Enable Video Enable Video Enable Video Enable Packara Regular Encode Mode FCC_MPEG4 Vedio Standard PAL Resolution QQNHD Frame Rate	v - ×
	42 Devices ware found Emplate Management Template Management Template Type: PC Template PC	✓ Search setting DVR Template DVR Template NVR Template Video Enable Sub Stream Regular Encode Mode FCC_MPEG4 Vedio Standard PAL Resolution QQNHD Frame Rate Bit Stream Control	v - ×
	42 Devices ware found Implate Management Template Management Template Type: PC Template PC	✓ Search setting DVR Template VIdeo Enable Sub Stream Regular Encode Mode FCC_MPEGA Vedio Standard PAL Resolution QQNHD Frame Rate Bit Stream Control Image Quality	v - ×
	42 Devices ware found Emplate Management Template Management Template Type: PC Template PTZ Template Template Name: PTZ Template Encode Config Main Stream Regular Encode Config PAL Resolution QQNHD Frame Rate 1 Bit Stream Control CBR 1 Bit Stream Control CBR 1 Bit Rate(kdps) 0 1	✓ Search setting DVR Template Video Enable Sub Stream Regular Encode Mode FCC_MPEG4 Vedio Standard PAL Resolution QQNHD Frame Rate Bit Stream Control CBR Bit Rate(kbps)	v - ×

Figure 3-14

Step 3. Select template type, enter template name, confirm parameter, click Apply. System shows Template Application interface, see Figure 3-15.

Note:

Click "Save as" to save the template to local.

Ņ	44 Devices wa	re found 📀 🌣	Search set	ting		▼ -	×
(IP)	Terr	iplate Management			Template Application		
\bigcirc	IPC Template	Other Template>>		Apply to devices			
	Template Name: 1 Main Stream Config: Stream Type: Regular Encode Mode: FCC_MP Resolution: QQNHD Frame Rate: 1 Bit Stream Control: CBR Image Quality: 1 Bit Rate(kbps): 0 Audio Encobe true Audio Encobe AAC	EG4	>>>	► □ IPC			
	Sub Stream Config: Video Enable: true Stream Type: Regular Encode Mode: FCC_MP Resolution: QONHO Frame Rate: 1 Bit Stream Control: CBR Image Quality: 1	EG4					
20	You have selected Ounit(s) of devic	es			Return	OK	

Figure 3-15

Step 4. Select device you want to set, click OK.

System prompts it is configuring template, and show progress of configuration. After config, system shows feedback.

Note:

If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

3.4.3.2 Import Setup

By importing template, you can batch modify device encoding parameter and video parameter.

Step 1. Click **I**, system shows config interface, see Figure 3-16.

Ŵ	44 Devices ware found 🔗 🌣 Search	In setting
	Template Management	Template Application
\mathbb{P}		
0 D		
×		
T	_	
BB		

Figure 3-16

Step 2. Click

System shows Load Template interface, see Figure 3-17.

Note:

Before loading template, please make sure at least one template file exists. If you need to create template, please refer to Ch 3.4.4.1.

Load Template		
Path:	D:/Program Files/ConfigTool/Templet.xml	Browse
	OK Cancel	



Step 3. Click Browse, select template, and click OK.

System shows Template Management interface, see Figure 3-18.

Ņ	44 Devices	ware found	Search setting		₹ – ×
		Template Management		Template Applicat	tion
\mathbb{P}	Template Type:				
Ĵ,	IPC Template	PTZ Template	DVR Template	NVR Template	
(Ç)	Template Name:				
×	Encode Config				
			Video E	Enable 🗹	
	Main Stream	Regular 🚽	Sub S	Stream Regular -	
	Encode Mode	FCC_MPEG4 -	Encode	e Mode FCC_MPEG4 -	
	Vedio Standard	PAL -	Vedio Sta	andard PAL -	
	Resolution	QQNHD -	Res	olution QQNHD -	
	Frame Rate 🔵	1	Fram	e Rate 1	
	Bit Stream Control	CBR 👻	Bit Stream (Control CBR -	
	Image Quality 🔴	1	Image	Quality 📕 1	
	Bit Rate(kbps) 0		Bit Rate	(kbps) 0	
	Audio Enable 🗹		Audio E	Enable 🗹	
	Audio Encode	AAC	Audio F	AAC -	
đđ	Return			Sav	e as Apply

Figure 3-18

Step 4. Click Apply, and system shows device selection interface, see Figure 3-19. Note:

Click "Save as" to save template to local.

Ņ	44 Devices ware for	und 📀 🌣 Search	setting			
	Template N	Management		femplate Application		
	IPC Template	Other Template>>	Apply to devices			
<i>\</i> } ★((+)	Template Name: 1 Main Stream Config: Stream Type: Regular Encode Mode: FCC_MPE64 Resolution: QQNHD Frame Rate: 1 Bit Stream Control: CBR Image Quality: 1 Bit Rate(kbps): 0 Audio Enable true		▶ ☐ IPC			
	Audu Entante Inte Audu Entante Inte Sub Stream Config: Video Enable: true Stream Type: Regular Encode Mode: FCC_MPEG4 Resolution: QQNHD Frame Rate: 1 Bit Stream Control: CBR Image Quality: 1					
8	You have selected Ounit(s) of devices			Return	ОК	

Figure 3-19

Step 5. Select encoding parameter and video parameter to be modified, click OK.

The system is configuring template, and shows config progress. When it is finished, system provides feedback.

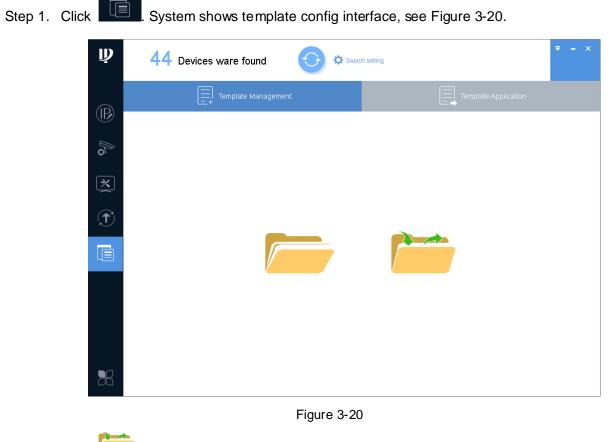
Note:

If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

3.4.4 Backup and Restore

Back up encoding and video config information, so when config is damaged, it can restore default settings.

3.4.4.1 Backup



Step 2. Click _____. System shows Template Management interface, see Figure 3-21.

Ņ	44 Devices ware found	♥ – ×
	Template Management	
(\mathbb{P})	Template Type:	
©∬	IPC Template PTZ Template	DVR Template NVR Template
(2)	Template Name:	
×	Encode Config	
		Video Enable 🗹
$(\mathbf{\hat{T}})$	Main Stream Regular 👻	Sub Stream Regular -
	Encode Mode FCC_MPEG4 -	Encode Mode FCC_MPEG4 -
	Vedio Standard PAL -	Vedio Standard PAL -
	Resolution QQNHD -	Resolution QQNHD -
	Frame Rate 1	Frame Rate 1
	Bit Stream Control CBR	Bit Stream Control CBR
	Image Quality 1	Image Quality
	Bit Rate(kbps)	Bit Rate(kbps)
	Audio Enable 🔽	Audio Enable 🗹
	Audio Encode	Audio Encode
đŌ	Return	Save as Apply

Figure 3-21

Step 3. Select template type, enter template name, set parameters and click "Save as". See Figure 3-22.

Save as		
Path:	D:/Dragrom Eiles/ConfigTabl/4 yml	Browse
Faul.	D:/Program Files/ConfigTool/1.xml	browse
	OK Cancel	



Step 4. Click Browse, select storage path and click OK.

3.4.4.2 Restore

Restore device encoding parameter and video parameter config, please refer to Ch 3.4.3.2.

3.5 Configure System Info

Configure system information, including time sync, auto or manually reboot device and restore default settings.

3.5.1 Time Sync

Ņ	38 Devices ware	e found Search setting	×
(IP)		Timing Reboot Restore Password You have selected Ounit(s) of devices	1
)	DVR 3 NVR Others	PC Time 2016-07-13 10:37:17 Sync PC 4	
×	1	2016-07-13	j
Ť		DST Type Date Week Start Time Jan 1 00:00	
		End Time Jan v 1 v 00:00 ¢	
		NTP GMT+08:00 Synchronize with NTP	
		NTP Server clock.isc.org NTP Port 123 Update period 10 Mintues(0~30)	
R		Update period 10 Mintues(0~30)	

Figure 3-23

Step 1. Click system shows system config interface.

Step 2. Click Timing tab.

Step 3. Select device.

Note:

- A device can be selected more than once, if you select more than one device, the batch device will set auto reboot at the same time.
- If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

Step 4. Set time.

You can use either of the following method to modify time.

- Enter time, click manually sync.
- Click Sync PC, to sync time with PC.
- Sync with NTP server, please refer to Chart 3-6.

Parameter	Note
Sync with NTP	Enable switch.
NTP Server	Set NTP server and port.

NTP Port		
Update Period	Interval of update.	
Save	Save set NTP server info.	
Chart 2.C		

Chart 3-6

3.5.2 Reboot

3.5.2.1 Auto Reboot

Auto reboot is to reboot device within set time.

Ņ	38 Devices ware	e found \checkmark Search setting $= - \times$
		Timing Restore Password You have selected Ounit(s) of devices Auto Reboot 4
		Auto Reboot Sunday OC:00 CK OK Manual Reboot Reboot

Figure 3-24

- × , system shows system config interface. Step 1. Click
- Step 2. Click Reboot tab, system shows reboot interface.
- Step 3. Select device.

Note:

- A device can be selected more than once, if you select more than one device, the batch device will set auto reboot at the same time.
- If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

Step 4. Check auto reboot, set date and time, click OK.

Note:

Reboot will cause operation interruptions, so please reboot device when operation is not frequent.

3.5.2.2 Manually Reboot

Ņ	38 Devices ware	e found 🔶 🌣 Search setting	₹ - ×
		Timing Reboot Restore Password You have selected Ounit(s) of devices Auto Reboot	
×	1	Auto Reboot Sunday V 00:00 CK	
		Reboot 4	
R			

Figure 3-25

Step 1. Click system shows system config interface.

- Step 2. Click Reboot tab, system shows reboot interface.
- Step 3. Select device.

Note:

- A device can be selected more than once, if you select more than one device, the batch device will set auto reboot at the same time.
- If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

Step 4. Click Reboot.

Note:

Reboot will cause operation interruptions, so please reboot device when operation is not frequent.

3.5.3 Default

Default function is to restore device general setup, encode setup, record setup, serial setup, alarm setup, video detection and video control.

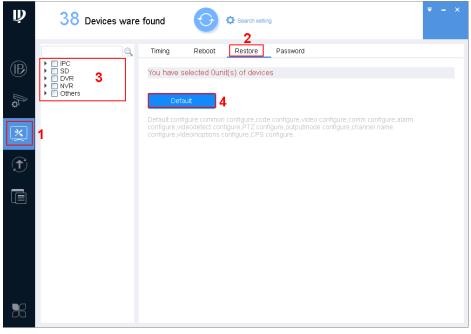


Figure 3-26

Step 1. Click , system shows system config interface.

- Step 2. Click Restore tab, system shows Restore interface.
- Step 3. Select device.

Note:

- A device can be selected more than once, if you select more than one device, the batch device will set auto reboot at the same time.
- If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

Step 4. Click Default.

3.5.4 Set Password

Modify device login password.

Ņ	42 Devices ware		▼ - ×
	 ↓ IPC ↓ 10.15.7.108 ↓ 10.15.5.187 ↓ 10.15.5.188 ↓ 10.15.6.196 ↓ 10.15.6.196 ↓ 10.16.196 ↓ DVR ▲ DVR ▲ Others 	Tirning Reboot Restore Password You have selected 1unit(s) of devices Modify Password 4 Eatch Modify Password Old Password New Password 5 Confirm Password 6 Selected number of devices: 1 Confirm Password Conf	

Figure 3-27

Step 1. Click System shows system config interface.

- Step 2. Click Password tab. System shws Password interface.
- Step 3. Select device.

Note:

- A device can be selected more than once, if you select more than one device, the batch device will set auto reboot at the same time.
- If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.
- Step 4. Click Modify Password.
- Step 5. Enter old password, new password and confirm password.
- Step 6. Click OK.

3.6 Upgrade Device

ConfigTool supports to upgrade one device and upgrade multiple devices.

3.6.1 Single Upgrade

Step 1. Click (5), system shows upgrade interface, see Figure 3-28.

42 c	evices war	e found	🗘 🌣 Sear	ch setting		₹ -
All	IPCOthers	SD 🚺	DVR 📄 I	WR	9	
NO.	Туре	IP	Version	Upgrade File Path	Browse	Operate
1	DSS4004	10.15.6.232			Browse	Upgrad
2	ITC	10.15.1.0	2.101.1.0		Browse	Upgrad
3	IPC	10.15.7.108	2.400.0.6		Browse	Upgrad
4	DSS7016	10.15.6.96	6.05.000		Browse	Upgrad
5	ITC302-RF1A- IR	10.15.14.108			Browse	Upgrad
6	BX720-6MP	10.15.5.193			Browse	Upgrad
7	HCVR	10.15.5.88			Browse	Upgrad
8	EBW8600	10.15.5.187			Browse	Upgrad
9	NVR4104	10.15.6.225			Browse	Upgrad
10	NVR	10.15.5.186			Browse	Upgrad
11	IPC- HFW4120E	10.15.5.188			Browse	Upgrad
12	NVR	10.15.5.211			Browse	Upgrad
13	M70-4U-E	10.15.70.180			Browse	Upgrad
14	BX420-4MP	10.15.5.194			Browse	Upgrad
15	NKB	10.15.0.128			Browse	Upgrad

Figure 3-28

Step 2. Click a device you want to upgrade, select upgrade file, see Figure 3-29.

Ņ	42	Devices ware found		▼ - ×
	All	IPC SD DVR NVR	?	3
	NO.		0 0 🗆 🗉 🗉	Operate
<u>o</u>	1	∭ My Com ⊖ imageformats ⊖ sdk log Skin		se Upgrade
	2			se Upgrade
×	3			se Upgrade
~	4			se Upgrade
$(\mathbf{\hat{T}})$	5			se Upgrade
\mathbf{U}	6			se Upgrade
	7			se Upgrade
ЦШ	8			se Upgrade se Upgrade
	9 10			se Upgrade
	11	File <u>n</u> ame:	<u>O</u> pen	se Upgrade
	12	Files of type: *.bin	Cancel	se Upgrade
	13	M70-4U-E 10.15.70.180	В	rowse Upgrade
	14	BX420-4MP 10.15.5.194	В	rowse Upgrade
	15	NKB 10.15.0.128	В	rowse Upgrade
8	Batch	Upgrade * 0 devices ware selected		

Figure 3-29

1. Click Browse of corresponding device you want to upgrade. Note:

If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

- 2. Select upgrade file.
- 3. Click Open.

Step 3. After you click Upgrade, system will start to upgrade. When upgrading is complete, device will

auto reboot

Note:

If device goes offline during upgrading process, then ConfigTool will stop at upgrading interface and once device is online again, upgrading will continue.

3.6.2 Batch Upgrade

- Step 1. Click , system shows upgrade interface, see Figure 3-30.
- Step 2. Check devices you want to upgrade

Note:

- All devices you select must be upgraded to the same version of software.
- If the device you want to modify its IP is not shown in device list, please search device again. Please refer to Ch 3.2.

Ņ	48 🛛	evices war	e found	Sear	rch setting		₹ -
P)	All	IPC Others	SD SD	DVR 📃	NVR	9	
_	NO.	Туре	IP	Version	Upgrade File Path	Browse	Operate
	1	DSS4004	10.15.6.232			Browse	Upgrade
	2	ITC	10.15.1.0	2.101.1.0		Browse	Upgrade
*	3	IPC	10.15.7.108	2.400.0.6		Browse	Upgrade
~	4	DSS7016	10.15.6.96	6.05.000		Browse	Upgrade
$\hat{\mathbf{t}}$	5	ITC302-RF1A- IR	10.15.14.108			Browse	Upgrade
	6	BX720-6MP	10.15.5.193			Browse	Upgrade
_	7	HCVR	10.15.5.88			Browse	Upgrade
	8	EBW8600	10.15.5.187			Browse	Upgrade
	9	NVR4104	10.15.6.225			Browse	Upgrade
	10	NVR	10.15.5.186			Browse	Upgrade
	11	FW4120E	10.15.5.188			Browse	Upgrade
	12	NVR	10.15.5.211			Browse	Upgrade
	13	M70-4U-E	10.15.70.180			Browse	Upgrade
	14	BX420-4MP	10.15.5.194			Browse	Upgrade
	15	NKB	10.15.0.128			Browse	Upgrade
B	Batch Up	grade 😽 😽	2 devices w	are selected			

Figure 3-30

Step 3. Click Batch Upgrade, system shows Batch Upgrade box, see Figure 3-31.

	48	Devices wa	re found	¢	Search setting			
	All	IPC	SD SD	DVR	NVR		Q	
	NO.	Туре	IP	Version	Upgrade File F	Path	Browse	Operate
	1	DSS4004	10.15.6.232				Browse	Upgr
	2	Batch Up	arade				× Browse	Upgr
	3		~				Browse	Upgr
	4	1					Browse	Upgr
	5		lpgrade File Path:			Browse	Browse	Upgr
	6	, č	pgrade i ne i au.			Brottoe	Browse	Upgr
	7						Browse	Upgr
~	8	Selected	I number of devices:	2		OK	Browse	Upgr
	9			-			Browse	Upgr
	10	NVR	10.15.5.186				Browse	Upgr
	11	IPC- HFVV4120E	10.15.5.188				Browse	Upgr
	12	NVR	10.15.5.211				Browse	Upgr
	13	M70-4U-E	10.15.70.180				Browse	Upgr
	14	BX420-4MP	10.15.5.194				Browse	Upgr
	15	NKB	10.15.0.128				Browse	Upgr

Figure 3-31

Step 4. Click Browse, select file, see Figure 3-32.

Ņ	4	8 Devices	ware found	Search sett	ting	₹ - ×
	AI			DVR 📄 NVR		a,
(\mathbb{R})		Ot Ot	ners Batch Upgrade			×
). Туре				Operate
ĝ	1	DSS40			4	se Upgrade
	2	ITC	Upgrade File Path:		Browse	se Upgrade
×	3	IPC				se Upgrade
	4	🔍 Open			? 🔀	se Upgrade se Upgrade
$(\mathbf{\hat{T}})$	5	Look in:	D:\Program Files\Conf	figTool	- 0 0 0 🖓 🗉 🗉	rowse Upgrade
		😡 My Corr	h 🛅 imageformats	2		Prowse Upgrade
	8	🃁 19116	G Skin	4		Prowse Upgrade
	9					rowse Upgrade
	10					Browse Upgrade
	11					Prowse Upgrade
	12					Browse Upgrade
	13				3	rowse Upgrade
	14	File <u>n</u> ame:			<u>O</u> pen	Prowse Upgrade
R		Files of type:	*.bin		Cancel	opgrade
	🔒 Ba	ten opgraue	* 2 devices ware s	selected		1

Figure 3-32

- 1. Click Browse of corresponding device you want to upgrade.
- 2. Select upgrade file.
- 3. Click Open.
- Step 5. Click OK, system starts to upgrade.

Note:

If devices go offline during upgrading process, then ConfigTool will stop at upgrading interface

and once device is online again, upgrading will continue.

3.7 Package Center

After you receive special tool (such as VDPConfigTool) package, you can embed it into ConfigTool.

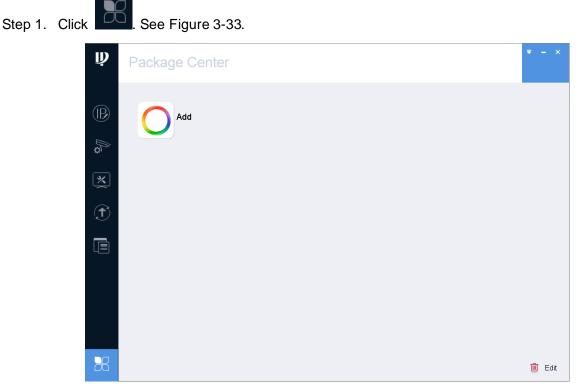


Figure 3-33 Step 2. Click Add, system shows Open interface, see Figure 3-34.

Ņ	Package Center	₹ -	×
	Open Imageformats My Com Imageformats Skin Skin		
	File name: Open Files of type: *.7z Cancel		
28		Ē ا	Edit

Figure 3-34

Step 3. Select file, click Open. System asks if you want to install.

Step 4. Click OK. System starts to install program, and changes to color after installation is complete.

Note:

- This manual is for reference only. Slight difference may be found in the user interface.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website or contact your local service engineer for more information.