

Software Operating Manual

AHD 5 in 1 Series

2017 FEB V1.0



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A. Safety Precautions

Dear Vacron user,

Appreciate for you purchase Vacron products. Please contact your local distributor if you meet any question or need for any assistance. We will offer you complete and in time service via local distributor. However, we still have rights to upgrade software and hardware without any kind notice beforehand. Please read this manual carefully prior to use of this product.

Precautions for use

- Do not put heavy object on the device. This device use with hard disk, so check the device cooling fan regularly and ensure it working properly, do not use device if cooling system is not working.
- Do not let any solid or liquid to penetrate inside the device.
- Clean the circuit board, connector, chassis fan, and device cover with dust clean tools regularly. Turn off and unplug the power supply before do the cleaning.
- Do not try to disassemble, repair or replace components of the device. Please contact distributor or manufacturer immediately if you meet any problem that cause device stop working. Once we receive the report, We will solve the problem as soon as possible
- Remove battery for remote controller if you not use remote controller for a long time.
- Avoid static electricity and others burn host, the equipment best connects with ground wire if device installed the outdoor cameras which connected with alarm I/O or other accessories.
- This DVR has remote live view watch and online video playback function. However, only the ISP company has the responsibly for network disconnect during video watching, whatever ISP company offer user free or chargeable network service. Usually, the free network connecting may have higher possibility for network disconnect, please be careful with network function selection.

Environment of use

- Use and install the device under 0°C~40°C, avoid direct sunlight and do not put device nearby heat source.
- Do not install this device in humid surrounding.
- Do not place device in smoke and dusty environment.
- Avoid strongly collision on device, and install device in stable environment



that prevent device drop.

- Set this equipment in ventilation space, and do not block the device' s ventilator.
- Please use device under rated voltage and Amp.
- For safety, keep flammable objects away from the device.

B. DVR system operation

- 1. Front panel setting Every device has different front plane, please set it as different DVR operation manual.
- 2. Mouse
 - When you watching the live view video records, click right button can open the quick menu.
 - Click left button, can open a new menu on main menu options.
 - Under the menu mode, click left button, get into the submenu.
 - Exit the menu page by click right button.
 - The value that under submenu can be set by click or virtual keyboard.

C. DVR system operation

1. ON

Turn on the device by connects device power, and then the power signal is bright. After the device activated, you will hear a "beep" sound. The image default setting as multiple screen output models, if the device activates time under setting time, the system will start timer recording function automatically. The relate signal light is bright, and the system working regularly.

Note: 1. before turn on power switch, ensure the power cable was connected, and input voltage match the device' s power supply.

2. External Power requirements Refer to DVR hardware specifications table. Recommend using power input with stable voltage and low electromagnetic interference, if condition permit, use UPS power protection.

2. OFF

There are two switches to turn off this device, software switch and hardware switch. For the software switch, get into right button function table, select OFF under Turn off system. The hard switch is on the front panel, press OFF button on the front panel will turn off power supply.

Description :

Power recovery

If user meets abnormal power off during recording, restart device and the device will automatic save the recording information before power off, and restore setting as power off before.

Change hard disk

Turn off power supply before change hard disk.

Change battery

Turn off power and save setting information before change battery. This device use button battery, which require check system time regularly. Change battery when system showing incorrect system time. Recommend change same type battery annually.

Note: the setting information will be lost if do not save it before battery change.

- 3. Login
 - For operate system, user requires to login into system. System will integration system functions to different account permit.
 - There are 2 default user accounts [admin] and [default] in products default setting.

The user name [admin] is default setting as super user permit The user name [default] is default setting as normal user permit.

- Default login user: admin, password: (empty)
- For account safety, please change user name and password after the first time login. Change user name and password by go to {right button function list} > {main menu} > {manage tools} > {user management}

	SYSTEM LOGIN
	User Name admin 🔻
	Password
	Please Login
Į	



4. Preview Image

■ After login in system, the preview image will showing on screen, click right button for image change.

		2016-09-28 20:25:38 Wed
1080P(AHD)	1080P(AHD)	1080P(AHD)
CAM01 • 4 🖸	CAM02 Main Menu	CAM03 • 4 🖸
1080P(AHD) CAM04 ● ◀ 조	Record Mode PlayBack PTZ Control Coaxial Control TVI&AHD HighSpeedPTZ Alarm Output Color Setting Output Adjust CAM05	1080P(AHD) CAM06 ● ◄ 조
	□ View 1 → 田 View 4 → Ⅲ View 9	CH Kb/S CH Kb/S 1 53 5 55 2 55 6 55
1080P(AHD)	1080P(AHD)	4 54 8 55
CAM07 🖕 🕇 💿	CAM08 • 4 🖸	



Capable select image display screen: Single screen/ 4 screens/ 9 screens

The date, time, channel name, recording video and audio will display on every preview image.

	2016-09-28 19:13:17 Wed	Date/Time
1080P(AHD)		
CAM01 4 🖸 📩		Surveillance channel/Status

Status display :

Recording	
T	audio
• Automatic judgmen	
CVI	CVI image display
AHD	AHD image display
TVI	TVI image display



5. Quick start menu

Under preview model, click right button, it will show up a quick start menu below. Fast function table includes: main menu, guide, record mode, playback, PTZ setting, high speed PTZ, alarm output, color setting, image adjust, logout.



5.1 Main menu

Path : fast menu/main menu





5.1.1 Record function

- Path: Main Menu/Record function
- Record : Open or close some cameras recording function which includes time setting/ playback backup/ files backup

5.1.1.1 Time setting

- Path: Main Menu/Record function/ time setting
- Operation setting for current week. Setting time period for many kinds recording type.

1 🖉 🛥 Main Menu->Record			×
ġ,	K	<i>"</i>	
Record Conf.	PlayBack	Backup	
S Configure the reco	rding time.		

Main)	Menu⇒Record	Record	Confi			X
Channel Length Mode Week Period 1 Period 2 Period 3 Period 4	1 ▼ F 60 min P ● Schedule 0 Mon ▼ 00:00 - 24 00:00 - 24 00:00 - 24	edundar reRecord Manua 00 00 00	ity Constant 5 Sep Regular 0 0	c. Detect ♥ ■	Alarm ☑ □	
		Ad	vanced	ок	Cance	1

- a). Channel: click and select the channel window, can setting one or multiple channels. The default setting channel is channel 1.
- b). Mirror: if device installed the second hard disk, the mirror function will be activating, this function can synchronize record files from one hard disk to another hard disk. Mirror default setting is off.
- c). Length: can setting the recording time length, minimum as 1 minute, maximum as 120 minutes, and the default setting as 60 minutes.
- d). Pre-recorded: record few second video before when system trigger the alarm. The minimum pre-recorded time is 1 second; maximum is 5 second, and default setting as 5 second.
- e). Recording model: can choose setting, manual operation and off. When you select setting, can choose any single working day or all working days from Monday to Friday.

There are 4 fields that can do time Setting for recording model and time. If select manual operation, you have to set the entire thing before recording, the default setting is setting. Select off will stop recording.

5.1.1.2 Backup playback records

 Path: main menu/ recording function/backup playback records.



PlayBack : search the image files, and playback files.



a). Button function

	Play	Choose the date and channel that you want to playback, press play button, and then begin to playback.
9	Pause	Pause video
	Backward play	Video play backward
	stop	Stop playback video
	Slowly playback	Playback video slowly, can select speed with 4 speed level, press this button



		again playback video as normal speed
		Play video backwards with high speed.
	High speed play	can select speed with 4 speed level, press
3	backward	this button again playback video as
		normal speed
		Play video backwards with high speed.
	High speed play	Can select speed with 4 speed level, press
	forward	this button again playback video as
		normal speed.
	Previous Frame	Play previous frame one by one
	Next Frame	Play next frame one by one
	Previous file	Go back and playback last 1 hrs file
	Next file	Playback video file at next 1 hrs
		Loop play video file, press 💵 button to
G	Loop play	stop the loop
	F U	Display image in full screen, press this
Ð	Full screen	button again go back to normal size
	uispiay	screen.
		Press this button, and then playback
		video, this button will became this 🚨
X	File capture	button. Choose the time you want to
		capture, press this 🖾 button, backup
		capture file.
	USB backup	Can backup captured file to USB
		Change search menu by ^r search by date _J
	Change Search	or 「search by time」, refer to 【c).search
	function	menu] description.

b). Record status





Alarm: display alarm video recording under playback timeline.		
Manual : display manual r	ecording status under playback timeline.	
Sync Mode	Check this function, synchronize channels time by click and select play, pause and other functional buttons; if user do not check this function, the timeline cannot synchronize in different channels.	
● 24hr ● 2hr ● 1hr ● 30mi)	Select the accurate time as 24 hrs, 2hrs, 1hrs, 30mins when you playback video. Default time setting as 24 hrs.	

c). Search menu

can exchange the search menu by ^r search with date ^{_}

- or [「]Search with time」
 - Video search with date



are not play records.



Video time search: can select the date you want to playback, by 「search by date」, next, press 「search change button」, change search function as 「Search by time」, if you do not choose the playback date, search the time from current record.





d). Screen change menu

Click right button; show up the screen change menu which can select screen change options.



Back	Select go back last page, will back to recording function page.		
Stop playback	Click stop playback, the video stop play.		
Full screen	Full screen display have play full screen image, click		
display	right button can cancel full screen.		
Single image	Select channel 1 to 8 playback single video.		
4 image	Select channel 1 to 4 and channel 5 to 8 playback		
, indge	multiple image.		





- Path: main menu/ recording function/ information backup
- Record : back up/delete specific records



a). Detect: insert USB storage device, click detect search USB again.



b). Backup: backup the storage files in USB storage device.





- Type: can select the recording type as all, external alarm, movement detect, all alarm, manual, regular. The default setting is all.
- Channel: choose the backup channel 1 to 8, the default setting is channel 1.
- Start time: backup starting time
- End time: backup ending time
- Remove: remove all files.
- Add : add select type or channel
- Backup format: can choose H264 and AVI format. The default setting is H.264.
- c). Record: Synchronize USB storage device with channel 1 to 8



- d). Delete: format selected USB storage device
- e). Stop: stop backup process.

5.1.2 Alarm function

- Path: Main Menu/Alarm
- Con or Off video recording for alarm function. It can be divide into movement detect/ channel blind/video loss/alarm input/alarm



5.1.2.1 Movement Detect

- Path: Main Menu/ Movement
 Detect
- Set the dynamic detection alarm to reported value (alarm output, synchronized video)

🔥 🔥 Alarm > Motio	on Detect
Channel Sensitivity	1 ▼ Enable ✓ Middle ▼ Region Set
Period AlarmOut Record Channel Tour PTZ Activation Show Message Buzzer FTP upload	SetMD Interval2 Sec.1OutDelay10 Sec.1234567812345678SetPostRec10 Sec.Send EmailWrite Log
	Advanced OK Cancel

- a). Channel: Set channel 1 to 8 separately or set all channels together.
- b). Start: set movement detection. Default setting is OFF.
- c). Sensitivity : Setting the sensitivity that trigger movement detect. The sensitivity has 6 levels: the lowest, low, medium, high, the highest. Default setting is medium.
- d). Region setting: Select trigger region, the default setting is all regions.



- e). Detect time period: alarm set any 4 days from Monday to Sunday.
- f). Interval time: setting internal time between trigger events, the type-in rage from 1 to 600 seconds.
- g). Alarm output: the alarm output as setting if you check this term. Default setting as not check.
- h). Alarm time: activate the recording time length for movement alarm, setting rage from 10 to 300 seconds. Default setting as 10 second.
- i). Recording channel: setting the recording channel after trigger movement detection. Default setting is OFF.
- j). Platform: Setting jump out channel from 1 to 8 after trigger the movement alarm. If select all channel, it take turns from channel 1 to 8. The default setting is OFF.
- k). PTZ activation: Setting whether activate the PTZ or not if trigger movement detection.



- Recording delay: setting the time to cancel alarm after trigger movement alarm. Setting rage from 10 to 300 second. Default setting as 10 second.
- m). Prompt info: select showing prompt info on screen or not, default setting is not check.
- n). Send MAIL: send the alarm information by specified email address when trigger the movement alarm. Default setting as not check.
- o). Buzzer: the buzzer will make noise when trigger movement alarm, the default setting as not check.
- p). FTP upload: delivery the AVI files to specified FTP server when trigger the movement alarm.

5.1.2.2 Channel blind

Path: Main Menu/Alarm
 Function/Channel Blind

Blind : set occlusion

detection alarm information (alarm output, synchronous video)

	Alarm > Vide	o Blind		8
	Channel Sensitivity	1 Middle	Enable	
on us	Period AlarmOut Record Channel Tour PTZ Activation Show Message Buzzer FTP upload	Set 12345 12345 Set	OutDelay 678 678 PostRec Send Email Write Log	10 Sec. 10 Sec. 0
			Advan	ced OK Cancel

- a). Channel: Can set cannel 1 to 8 separately, or set all channels together.
- b). Start: set channel blind. Default setting is OFF.
- c). Sensitivity : Setting the sensitivity that trigger channel blind. The sensitivity has 6 levels: the lowest, low, medium, high, the highest. Default setting is medium.
- d). Region setting: Select trigger region, the default setting is all regions.
- e). Detect time period: alarm set any 4 days from Monday to Sunday.
- f). Interval time: setting internal time between trigger events, the type-in rage from 1 to 600 seconds.
- g). Alarm output: the alarm output as setting if you check this term. Default setting as not check.
- h). Alarm time: activate the recording time length for Channel blind, setting rage from 10 to 300 seconds. Default setting as 10 second.
- i). Recording channel: setting the recording channel after trigger Channel blind. Default setting is OFF.

PTZ Ad	ctivation		×
Channel1	None 🔽 0	Channel2	None 🔽 0
Channel3	None 🔻 0	Channel4	None 🔻 0
Channel5	None 🔻 🛛	Channel6	None 🔽 0
Channel7	None 🔻 O	Channel8	None 🔽 0
			OK Cancel

- j). Platform: Setting jump out channel from 1 to 8 after trigger the Channel blind. If select all channel, it take turns from channel 1 to 8. The default setting is OFF.
- k). PTZ activation: Setting whether activate the PTZ or not if trigger Channel blind.
- Recording delay: setting the time to cancel alarm after trigger Channel blind. Setting rage from 10 to 300 second. Default setting as 10 second.
- m). Prompt info: select showing prompt info on screen or not, default setting is not check.
- n). Send MAIL: send the alarm information by specified email address when trigger the Channel blind. Default setting as not check.

5.1.2.3 Video Loss

- Path: Main Menu/Alarm
 Function/Video Loss
- video Loss : Setting image loss alarm (alarm output, synchronous video)

Channel	1	Enable	✓
Period	Set		
AlarmOut	1	OutDelay	10 Sec.
Record Channel	12345	678	
Tour	12345	678	
PTZ Activation	Set	PostRec	10 Sec.
Show Message		Send Email	
Buzzer		Write Log	
FTP upload			

- a). Channel: Can set cannel 1 to 8 separately, or set all channels together.
- b). Start: set video loss. Default setting is OFF.
- c). Sensitivity : Setting the sensitivity that trigger video loss . The sensitivity has 6 levels: the lowest, low, medium, high, the highest. Default setting is medium.
- d). Region setting: Select trigger region, the default setting is all regions.
- e). Detect time period: alarm set any 4 days from Monday to Sunday.
- f). Interval time: setting internal time between trigger events, the type-in rage from 1 to 600 seconds.

- g). Alarm output: the alarm output as setting if you check this term. Default setting as not check.
- h). Alarm time: activate the recording time length for video loss, setting rage from 10 to 300 seconds. Default setting as 10 second.

PTZ Ac	tivation		8
Channel1	None 🔽 0	Channel2	None 🔽 0
Channel3	None 🔻 0	Channel4	None 🔻 0
Channel5	None 🔻 0	Channel6	None 🔻 0
Channel7	None 🔻 O	Channel8	None 🔽 0
		_	
			OK Cancel

- Recording delay: setting the time to cancel alarm after trigger video loss. Setting rage from 10 to 300 second. Default setting as 10 second.
- j). Prompt info: select showing prompt info on screen or not, default setting is not check.
- k). Send MAIL: send the alarm information by specified email address when trigger the video loss alarm. Default setting as not check.
- I). Buzzer: the buzzer will make noise when trigger video loss alarm, the default setting as not check.
- m). FTP upload: delivery the AVI files to specified FTP server when trigger the video loss alarm.

5.1.2.4 Alarm Input

- Path: Main Menu/Alarm Function/Alarm Input
 - Iset external alarm (usage, synchronous video)

m	🔺 \land Alarm > Alarr	n Input		8
	AlarmIn	1	Enable	
	Туре	Normal O _I -		
arm	Period	Set	MD Interval	1 Sec.
	AlarmOut	1	OutDelay	10 Sec.
	Record Channel	12345	678	
	Tour	12345	6[7]8	
	PIZ Activation	Set	PostRec	10 Sec.
	Show Message		Send Email	
	FTP upload		wille Log	0
			Advand	ced OK Cancel

- a). Channel: Can set cannel 1 to 8 separately, or set all channels together.
- b). Start: set alarm input. Default setting is OFF.



- c). Sensitivity : Setting the sensitivity that trigger alarm input. The sensitivity has 6 levels: the lowest, low, medium, high, the highest. Default setting is medium.
- d). Region setting: Select trigger region, the default setting is all regions.
- e). Detect time period: alarm set any 4 days from Monday to Sunday.
- f). Interval time: setting internal time between trigger events, the type-in rage from 1 to 600 seconds.
- g). Alarm output: the alarm output as setting if you check this term. Default setting as not check.
- h). Alarm time: activate the recording time length for alarm input, setting rage from 10 to 300 seconds. Default setting as 10 second.
- i). Recording channel: setting the recording channel after trigger alarm input. Default setting is OFF.
- j). Platform: Setting jump out channel from 1 to 8 after trigger the alarm input. If select all channel, it take turns from channel 1 to 8. The default setting is OFF.
- k). PTZ activation: Setting whether activate the PTZ or not if trigger alarm input.

PTZ Ad	tivation		
Channel1	None 🔽 0	Channel2	None 🔽 0
Channel3	None 🔻 0	Channel4	None 🔻 0
Channel5	None 🔻 0	Channel6	None 🔻 0
Channel7	None 🔻 O	Channel8	None 🔽 0
		_	
			OK Cancel

- q). Recording delay: setting the time to cancel alarm after trigger alarm input alarm. Setting rage from 10 to 300 second. Default setting as 10 second.
- r). Prompt info: select showing prompt info on screen or not, default setting is not check.
- s). Send MAIL: send the alarm information by specified email address when trigger the alarm input alarm. Default setting as not check.
- t). Buzzer: the buzzer will make noise when trigger alarm input alarm, the default setting as not check.
- I). FTP upload: delivery the AVI files to specified FTP server when trigger the alarm input alarm.



5.1.2.5 Alarm output (some DVR not support this function)

- Path: Main Menu/Alarm
 Function/Alarm Output
- Alarm Output : Search alarm

output

🔥 🔥 Alarm > Al	arm Out	put
Alarm Type	All	1
Schedule	0	
Manual	0	0
Stop	0	0
Status		
		OK Cancel

Control alarm output status, display "●" for 「All」「1」stand for current DVR supported alarm output number.

- 5.1.2.6 Abnormality
- Path: Main Menu/Alarm Function/Alarm Output
- Set abnormality includes alarm input, screen notification.

🔁 Alarm > Abn	ormality		×
Event Type Enable	No Storage ▼ ✓		
AlarmOut Show Message Buzzer Send Email	1 OutDelay 10 Sec.	OK Canc	cel

- a). Event type: can select event type as no hard disk, storage device error, insufficient hard disk space, network break, IP conflict and so on.
- b). Enable: activate as selected event.
- c). Alarm output: select enable alarm output or not after trigger alarm under selected event type. Alarm has Max. 1 output, and the alarm time rage from 10 second to 300 second.
- d). Screen prompts: jump out prompts when selected event happened.
- e). Buzzer: enable buzzer or not after trigger event.
- f). MAIL delivery: send Mail when exception event happen.



5.1.3 System setting

 Path: Main Menu/System setting

> Setting which includes: regular setting, resolution, network setting, network service, channel manage screen display, PTZ Setting, tour and channel management.

5.1.3.1 Regular Setting

- Path: Main Menu/Regular
 Setting
- iset system time,

video storage method, device No., video format and so on

🖉 🧳 Main Menu 🗧	> System		×		
*	UTF8]	<u></u>	I		
General	Encode	Network	NetService		
	i 🔅	Ø	V		
DISPLAY	PTZ Config	RS232	Tour		
Ő,					
Digital					
Ƴ Configure Time, language and remote control address.					

¥ Main Menu⊰	>System->General
System Time	2013 - 06- 24 16: 41: 38
Date Format	
Date Separator	-
Time Format	24-HOUR -
Language	ENGLISH -
HDD Full	Overwrite 🔻
DVR No.	0
Video Standard	NTSC
Auto Logout	0 min
Machine Name	LocalHost
	OK Cancel

- a). System time: current date setting.
- b). Date format: setting date display format as year/month/day, month/day/ year, or day/month/year. The default setting as year/month/day.
- c). Date separator: can choose or /, default setting as -.
- d). Time format: can set as 24 hours or 12 hours. The default setting as 24 hours.
- e). Language: capable setting 28 languages.
- f). HDD Full: setting overwrite hard disk or stop recording after hard disk storage full. Default setting is overwrite.

- g). DVR No.: setting remote controller number from 0 to998. The default setting is 0.
- h). Video standard: setting video input, NTSC or PAL.
- Auto logout: setting the logout time when user is not operating system for a long time. The auto logout time can set as 0 to 60 minutes, the default setting as 0, not setting this function. Login again into main menu needs passwords.
- j). DVR Name: setting DVR name, max type in 32 characters, the default name as Local Host.
- k). Daylight saving time: set date or weeks, time will change as daylight saving day.

DST	×	
● Day of Week O Date Start: Jan ▼ 1st ▼ Mon▼ End: Jan ▼ 1st ▼ Mon▼	01 : 01 01 : 01	
	OK Cancel	(Cycle setting)
DST	8	
Enable Day of Week Date		
Start: 2013-01-01 01:01		
End: 2013-01-01 01:01		
	OK Cancel	(Date setting)

5.1.3.2 Resolution and FPS setting

 Path: Main Menu/ System Setting/ Resolution and FPS setting



Channel	1	•				
Compression	H.264	-	Extra Stream			
Resolution	1080P	-	CIF			
Frame Rate(FPS)	12	-	12			
Bit Rate Type	VBR	-	VBR	•		
Quality	high	-	low	•		
Bit Rate(Kb/S)	1958	-	[183	•		
l Frame Inter∨al	2	-	2			
Video/Audio	O					
Coding mode	High Profile	•				

a). Channel: enable to set channel 1 to 8 separate or together.

- b). Recording mode: capable set as H.264 or Sub-bit, the H.264 is the main recording mode for device, sub-bit mainly monitor for internet and smart phone.
- c). Resolution: The resolution for H.264 is device playback resolution: 1080P (1920x1080), 720P (1280x720), 960H (960x480), and D1 (704x480).
- d). Sub-bit: the resolution for playback in internet or smartphone: QCIF (176x120) and CIF (352x240).
- e). FPS: 1080P NTSC 12 Fps, PAL 12 Fps; 720P NTSC 30 Fps, PAL 25 Fps; 960H NTSC 30Fps, PAL 25 Fps; D1 NTSC 30 Fps, PAL 25 Fps ; QCIF and CIF NTSC/PAL Fps.
- f). Bit control: changeable bit or stable bit.
- g). Image quality: very poor, poor, regular, good, very good, excellent. Default setting as good.
- h). Bit value: set bit value that is referring to resolution and Fps, this term is default setting.
- i). 1 frame interval: select from 2 to 12.
- j). Video/audio: choose record audio/video or not in main data stream and sub-data stream. The default setting as video ON/ Audio OFF.

5.1.3.3 Network setting

- Path: Main Menu/ System setting/ Network setting
- Network : setting IP address,
 DDNS and so on

💋 🎆 Main Menu->	System->Network
Net Card	Wire Netcar(- DHCP Enable
IP Address	192 . 168 . 1 . 10
Subnet Mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 1 . 1
Primary DNS	168 . 95 . 1 . 1
Secondary DNS	168 . 95 . 192 . 1
Media Port	34567
HTTP Port	80
HS Download	
Transfer Policy	Quality Prefe -
	OK Cancel

- a). NIC: wired LAN.
- b). DHCP: check this term will distribute IP address automatically. Not check this term user can type IP address by themselves.
- c). IP address: type in IP address, the default setting as 192.168.1.10 $^\circ$

2(

- d). Subnet mask: type in subnet mask, the default setting as 255.255.255.0.
- e). Gate way: type in gate way, the default setting as 192.168.1.1.
- f). Primary DDNS: type in primary DDNS server, the default setting as 192.168.1.1.
- g). Sub DDNS: type in the sub DDNS server, the default setting as 8.8.8.8.
- h). TCP Port: type in TCP, default setting as 34567.
- i). HTTP Port: type in HTTP Port, the default setting as 80.
- j). Network transmission mode: automatic adjustment, image quality priority, transmission fluency priority; default setting is image quality priority.
- 5.1.3.4 Network service



Check enable and press setting, type in user name and password that offered by telecommunications industry, save



and restart it can produce a group of IP, the default setting is close.

b). NTP :

Open it to activate NTP time adjustment, the default setting as close.

NTP		8
Enable	✓	
Custom O	Auto	
Server IP	NTP)
Port	123)
Update Period	60	min
	_	
		OK Cancel

Server IP: type in local NTP IP.

Port: not recommend changing the default setting unless built and contact with personal server.

Update period: period rage can set from 0 to 65535 minute.

c). Email setting :

Enable email setting can deliver the email to specific email address when trigger the event alarm. Default setting as not enable.

EMAIL	
Enable	
SMTP Server	Your SMTP Server
Port	25
Need SSL	
User Name	
Password	
Sender	
Receiver	
Title	Alarm Message
	Mail Testing OK Cancel

- SMTP server: Type in SMTP that offer by Mail server.
 For instance, Gmail need to type in smtp.gmail.com
- 2) PORT: type in PORT that offer by Mail server. For instance, for Google server, the PORT type in 465.
- 3) SSL: checked as Mail server requirement, for Gmail, it needs to check SSL.
- 4) Account: Types in Mail account that you setting in the SMTP server.
- 5) Password: Types in Mail password that you setting in the SMTP server.
- 6) Sender: Types in complete Mail that you send from this email.
- 7) Receiver : Types in complete Mail that you will receive from this email.
- 8) Main purpose for mail: Capable to set the main purpose the mail will receive after trigger alarm.
- 9) Mail test: click this button, if test SMTP set correctly, mail box will receive the test mail.
- 10) Press confirms or cancels to finish setting.

2(

d). IP permission settings :

Capable to setting whitelist and blacklist, the backlist IP address cannot connect with device; on the opposite, the whitelist IP can connect with device. The default setting is OFF.



	P FILT	FER								×
Enat	ole		<u>~</u>							
Rest	ricted	Туре	Wh	itelis	t	-				
0	. 0	. 0		0		Add				
0	Allov	/ed IP								
			D	elete		C	ЭK	Са	ncel	

e). DDNS :

Set as DDNS, which includes: CCTV DVR CN99 DynDns Oray NO-IPE and so on, the default setting as OFF.

DDNS	X
DDNS Type	Cctvdvr ▼
Domain Name	fuho123.cctvdvr.com.tw
User Name	fuho123
Password	•••••
	OK Cancel



f). FTP setting: capable setting FTP, send trigger alarm information through FTP. The default setting is OFF.

FTP	
Fnable	
Server IP	FTP
Port	21
User Name	
Password	Anonymous
Max File Length	1024 MB
DirName	
	Test OK Cancel

- 1) Device IP: type in FTP device IP.
- 2) Port: type in Port for FTP, the default setting is 21.
- 3) Account: type in effective user name for FTP.
- 4) Password: type in effective user password for FTP.
- 5) Anonymous: check anonymous, not need to type in user name and password.
- 6) The maximum files size: type in maximum upload file size, from 0 to 65535, the default setting as 128M
- 7) Remote menu: upload files to FTP.
- g). Wireless dialing: capable setting wireless dialing, the default setting is OFF.

Wireless	🖉 Wireless Config 🛛 🔀					
Enable Type Wireless AP Dial Number User Name Password	✓ EVDO ChinaNet #777 ctnet@mycdm					
IP Address	0 . 0 . 0 . 0 OK Cancel					

- 1) Enable: Check to enable wireless dialing,
- Type: automatic TD-SCDMA
 WCDMA
 CDMA1.X
 GPRS
 EVDO and so on, currently user can use by EVDO,
 if EVDO is not working, please select other type.
- Access point: type in access point offer by local telecommunications company, the default setting as ChinaNet.
- Dial number: type in dial number that offers by local telecommunications company, the default dial number as #777.
- 5) SIM number: type in SIM Card number; leave it blank if you do not have it, the default setting as blank.
- 6) Password: type in password for SIM card, eave it blank if you do not have it, the default setting as blank.
- 7) IP address: display IP address after connect with internet correctly.
- h). UPNP: enable UPNP in IP sharing device, the default setting as OFF.



 WiFi: capable to receive WIFI signal when connect with WIFI USB receiver. The device currently only accept WIFI receiver of Mt7601U Chip. The function default setting is off.



Wifi		8
SSID	Authentication	Signal
·	Search	
Enable 🗌 DH	ICP Enable	
SSID	[<u>11n-AP</u>]	
Password		
IP Address	192 . 168 . 1 . 12)
Subnet Mask	255 . 255 . 255 . 0)
Gateway	192 . 168 . 1 . 1]
		OK Cancel

j). RTSP: capable connect with all option that support RTSP. Default setting as 554.



5.1.3.5 Display setting

 Path: Main Menu/ System Setting/ Display Setting

GUI Display : Setting and

monitoring the set value for Graphic account interface.

om	Main Menu	>System->GUI Display
g	Channel Title Time Display Record Status Deflick Transparency Resolution	Set Channel Title Alarm Status 175 1920*1080 HDMI priority
e	Channel Region Cover Time Display	Channel Title
		OK Cancel

a). Channel name: change 8CH channel name, which capable type in number 1 to 9, character A to Z.

Channe	l Title		× × ×
Channel1	CAM01	Channel2	CAM02
Channel3	CAM03	Channel4	CAM04
Channel5	CAM05	Channel6	CAM06
Channel7	CAM07	Channel8	CAM08
			OK Cancel

- b). Time headline: display DVR time, default setting as enable.
- c). Channel headline: display channel name, default setting as enable.
- d). Record status: display record status, the default setting as enable.
- e). Alarm status: After trigger alarm, display alarm status or not, default setting as enable.
- f). Anti-shake: the image keeps stable, not shaking. The default setting as enable.
- g). Transparency: make adjustment for dialog window.
- h). Resolution: capable adjustment resolution for both VGA and HTMI, default setting as VGA, 1920*1080.
- i). Channel: can select from 1 to 8.
- j). Regional Coverage: can choose any position from display channels 1 to 4.





Screen display

k). Time title and channel title: can move titles position on screen.




5.1.3.6 PTZ setting

Path: Main Menu/ System
 Setting/ PTZ setting

■ PTZ Config : Set PTZ device

2	/ 🎒 Main I	Menu->Syste	im-:	>PTZ Config		<u> </u>
Ĩ	PTZ Devid	ce		RS485 Devic		
	Channel		-			
	Protocol	PELCOD	-	NONE		
	Address	1		1		
	Baudrate	9600	┍	9600	-	
	Data Bits	8	◄	8	-	
-	Stop Bits	1	┏	1		
	Parity	None	◄	None		
						OK Cancel

- a). Channel: capable select 1 to 8.
- b). Protocol : capable choose 22 types protocol. The default setting as PELCOD.
- c). ID: PTZ address, can setting from 1 ~ 255, the default setting as 1.
- d). Baud rate: capable select 8 types transmit speed. The default setting as 9600.
- e). Data bits: capable select 4 kind data bits. The default setting as 8.
- f). Stop bits: capable select 2 kind stop bits, the default setting as 1.
- g). Parity: capable select 4 type parity. The default setting as none.

5.1.3.7 Protocol port

- Path: Main Menu/ System Setting/ Protocol port setting
- RS232 : Set ports and PTZ function, baud rate, address and so on.

& Main I	Menu->Syste	m->RS232	×	5
Function Baudrate Data Bits Stop Bits Parity	NONE 115200 8 1 None			
			OK Cancel	



- a). Protocol port function: Capable set 5 kind functions. The default setting is none.
- b). Baud rate: capable select from 8 kind baud rates. The default setting is 115200.
- c). Date bits: capable select from 4 kind data bits. The default setting is 8.
- d). Stop bits: capable select 2 kind stop bits. The default setting is 1.
- e). Parity: capable select 4 type parity. The default setting as none.



_	Dath: Main Manu/ System	System > Tour	
	Setting/Tour	Enable Tour MD Interval View 1	✓ 5 Sec. 12345678
	Tour : Tour setting	View 4 View 9 Alarm Tour Type	12
		MD Interval Return after finished	5Sec.

a). Enable tour: check the box to enable and setting tour function, the default setting as Off.

Cancel

OK

- b). MD interval: setting the tour interval time from5 to 120 seconds. Default setting as 5 seconds
- c). Single image screen: Setting the single image screen for tour; Default setting is fully open.
- d). 4 image screens: setting the 4 image screens, the default setting as fully open.
- e). 9 image screens: setting the 9 image screens, default setting as fully open.
- f). Interval time: this function have to collocate "Alarm finish and return", setting the interval time between trigger alarm and go back to the Split screen. The interval time setting rage is 5 to 120 second. Default setting as 5 Sec. if do

not check this function after alarm finish and return, the function is invalid.

g). Alarm finish and return: this function has to collocate with Interval time, setting the return time after alarm finished. The default setting is not check the term.

5.1.3.9 Channel management

- Path: Main Menu/ System Setting/Channel Management
- Digital : Setting channel mode



- a). Channel mode: the mode to sets camera resolution. [¬] Local _J is means similar kind camera, [¬] IP _J is means IP Camera. Click channel mode it will display 4CH and 8CH device. As the picture showing below.
 - 1) 4CH Device

	:ChannelTy	pe			X
	Lo	cal		IP	
	1080P	1080N	1080P	960P	5M
	4				
	2		2		· · ·
		4		4	
			16		
			9	<i></i>	•
니닏				16	:
					4
Pla	whack chan	nel: 4			
	ximum num	per or preview: 4			
				0	K Cancel



2)8CH device

	∷ ChannelTy	pe				X
	Lo	ocal		IF	,	
$ \cap$	1080P	1080N	1080P	960P	3M	5M
	8					
		8				
	4		4			
	.		8	8		
			•			4
	.				4	· ·
PI M	ayback chan aximum num	inel: 4 ber of preview: 8	3			
				0	NK C	Cancel

5.1.3.10.1 Regular recording mode: only has similar camera

	ChannelTy	pe			X
	Lc	ocal		IP	
	1080P	1080N	1080P	960P	5M
	4				
	2		2		
		4	<u>.</u>	4	
		•	16		•
			9		•
		•		16	
		•			4
Pla	yback chan	nel: 4			
Ma	ximum num	ber of preview: 4			
				0	K Cancel

■ 4CH

Under 4CH channel mode, check the different mode to record video with different resolution. For instance, check the 1080P 4CH under local, can record video at maximum 1080P 4CH resolution, and also display the maximum playback times under this mode. The system requires restart after you confirm this setting.



■ 8CH

31	ChannelTy	pe				\sim
	La	ocal		IF	b	
	1080P	1080N	1080P	960P	3M	5M
	8					
		8	•			
	4		4			
			8	8		· ·
			•			4
			•		4	·
Play	/back chan	inel: 4				
Max	imum num	ber of preview: 8	3			
				_		
				C	IK	Cancel

Under 8CH channel mode, check the different mode to record video with different resolution. For instance, check the 1080P 8CH under local, can record video at maximum 1080P 8CH resolution, and also display the maximum playback times under this mode. The system requires restart after you confirm this setting.

5.1.3.10.2 Hybrid recording: the recording combinations of analog and network modes



Under 4CH channel mode, check the different mode that combine analog and network mode, can recording video with different resolution. For example, check and combine the local 1080P 2CH with IP 1080P 2CH mode can record



local 1080P 2CH and IP 1080P 2CH at same time, and also display the maximum playback times under this mode. The system requires restart after you confirm this setting.

- Path: Main Menu/ System
 Setting/ Channel
 Management
- Set channel mode.
 After restart device, the channel mode connects with network, so it will display digital channels and channel status.



Digital channels

- Path: Main Menu/ System Setting/ Digital channels
- Digital channel capable setting record by which IP Cam or DVR.

-Digital chann	nels	X
Channel	3	Enable
Time Sync Connection mod	e 4	Decode Order [<u>Middle</u>]▼]
Network Configu	ration list	
0 Configur.	name Device	:Type IPAddress IPChan
Add D	elete	
		Advanced OK Cancel

- a). Channel: setting internet channel separately or together
- b). Enable: setting digital channel after check enable, the default setting is off.

- c). Time synchronization: check to ensure time synchronization with system time in every IP Cam and DVR
- d). Decoding strategy: select the network transmission mode, real-time priority, medium, smooth priority. Default setting as medium.
- e). Connecting mode: can select single connection or multiple connecting mode, the multiple connection can connect single channel with multi IP cam or DVR device, it display image with tour. The default setting is single connection
- f). Add: search the current connectable IP Cam or DVR device.
- g). Delete: can delete the IP Cam and DVR device from network setting list.
- Path: Main Menu/System Setting/ Channel Management/ Digital channel/ Remote access channel setting
- Add : get into remote channel setting, click "search" showing all current connectable IP Cam and DVR information.

◆ Remote access channel setting

Configur. nam	chConfig	01		
Device Type	IPC	 Protocol 	NETIP -	
Remote acces	s [1	Stream	Main Stream -	
Device addres	s 192.168.	1.20	Network	
Port	34567			
Username	admin	Password		
0 Device	Name	MAC	IP Address	Por
0 Device	Name	MAC	IP Address	Por

- a). Device name: capable change device name, the default setting as chConfig01.
- b). Device type: select device type, which includes IPC, DVR, and HVR. The default setting as IPC.
- c). Remote access: setting the remote access, the rage as 0~65535.
- d). Protocol: setting the device protocol, NETIP or ONVIF. The default setting as NETIP.

- e). Data stream: capable setting the device data stream, which includes main stream and sub-stream, the default setting as main stream.
- f). Device address: display IP Address for current selected device.
- g). Port: display the port for current selected device.
- h). User account: type in user account for IP cam or DVR. The default setting as admin.
- i). Password: type in password for IP cam or DVR. The default setting as blank.



 Path: Main Menu/System Setting/ Channel Management/Channel status

 \sim

Channel status : Display the connect status for current network.

◆ Channel status



■ 8CH

-	ChannelTy	pe				×
	Lo	cal		IF	>	
	1080P	1080N	1080P	960P	3M	5M
	8					
		8				
	4		4			
			8	8		.
						4
					4	•
Pla	yback chan	nel: 4				
Ma	ximum num	ber of preview: 8	3			
				C	K C	Cancel

Under 8CH channel mode, check the different mode that combine analog and network mode, can recording video with different resolution. For example, check and combine the local 1080P 4CH with IP 1080P 4CH mode can record local 1080P 4CH and IP 1080P 4CH at same time, and also display the maximum playback times under this mode. The system requires restart after you confirm this setting.



- Path: main menu/ system setting/ channel management
- Digital : Set channel mode.
 After restart device, the channel mode connects with network, so it will display digital channels and channel status.



Path: Main Menu/
 System Setting/ digital channels

Digital channel
 capable setting record
 by which IP Cam or DVR.

Digital channels

 Digital channels 	S	×
Channel Time Sync Connection mode Network Configural	5 - 5 6 7 8	Enable 🔲 Decode Order Middle 🔻
0 Configur. na	All	vpe IP Address IP Chan
Add Dele	ete	
		Advanced OK Cancel

- a). Channel: setting internet channel separately or together
- b). Enable: setting digital channel after check enable, the default setting is off.
- c). Time synchronization: check to ensure time synchronization with system time in every IP Cam and DVR
- d). Decoding strategy: select the network transmission mode, real-time priority, medium, smooth priority.
 Default setting as medium.
- e). Connecting mode: can select single connection or multiple connecting modes, the multiple connections can connect single channel with multi IP cam or DVR

device, it display image with tour. The default setting is single connection

- f). Add: search the current connectable IP Cam or DVR device.
- g). Delete: can delete the IP Cam and DVR device from network setting list.
- Path: Main Menu/System
 Setting/ Channel
 Management/ Digital
 Channel/ Remote access
 channel setting
- Add : get into remote channel setting, click "search" showing all current connectable IP Cam and DVR information.

Remote access 1 Stream Main Stream Device address 192.168.1.20 Network Port 34567		
Device address 192.168.1.20 Network Port 34567	1 Stream Main Stream	n •
34307	192.168.1.20 Network	
Username admin Password	admin Password	
0 Device Name MAC IP Address	ame MAC IP Address	Po
0 Device Name MAC IP Address	ame MAC IP Address	P

- a). Device name: capable change device name, the default setting as chConfig01.
- b). Device type: select device type, which includes IPC, DVR, and HVR. The default setting as IPC.
- c). Remote access: setting the remote access, the rage as $0 \sim 65535$.
- d). Protocol: setting the device protocol, NETIP or ONVIF. The default setting as NETIP.
- e). Data stream: capable setting the device data stream, which includes main stream and sub-stream, the default setting as main stream.
- f). Device address: display IP Address for current selected device.
- g). Port: display the port for current selected device.
- h). User account: type in user account for IP cam or DVR. The default setting as admin.



- i). Password: type in password for IP cam or DVR. The default setting as blank.
 - Channel status
- Path: Main Menu/System
 Setting/ Channel
 Management/Channel
 status
- Channel status : Display the connect status for current network.



5.1.3.10.3 Network recording: Only support IP mode



Under 4CH channel mode, check the different mode to record video with different resolution. For instance, check the 1080P 9CH under IP, can record video at maximum 1080P 9CH resolution, and also display the maximum playback times under this mode. The system requires restart after you confirm this setting.



- Path: main menu/ system setting/ channel management
- Set channel mode. After restart device, the channel mode connects with network, so it will display digital channels and channel status.

s Main Menu->Syst	em->Digital		X
Digital channels	Channel status	ChannelType	
Set the number	of channel parameters		

- Path: main menu/ system setting/ digital channels
- Digital channel
 capable setting record
 by which IP Cam or DVR.

Channel	1	Enable
	1	Decode Order Middle
	2	Synchronization resolution 🧭
	4	
0 Config Nam	5	e IP Address IP Channel
	6	
	8	
	9	
	All	
Add Del	ete	

h). Channel: setting internet channel separately or together

Digital channels

- i). Enable: setting digital channel after check enable, the default setting is off.
- j). Time synchronization: check to ensure time synchronization with system time in every IP Cam and DVR
- k). Decoding strategy: select the network transmission mode, real-time priority, medium, smooth priority. Default setting as medium.
- Connecting mode: can select single connection or multiple connecting modes, the multiple connections can connect single channel with multi IP cam or DVR device, it display image with tour. The default setting is single connection

- m). Add: search the current connectable IP Cam or DVR device.
- a). Delete: can delete the IP Cam and DVR device from network setting list.
- Path: Main Menu/System Setting/ Channel Management/ Digital Channel/ Remote access channel setting
- Add : get into remote channel setting, click "search" showing all current connectable IP Cam and DVR information.

Remote access	channel	setting
Remote access	channel	setting

Devic IP Ch	e Type annel	IPC 1	 Protocol Stream 	NETIP ▼ Main Stream ▼	
Devic Port Userr	e address name	192.168.1.20 34567 admin) Password	Network	
0	Device N	ame	MAC	IP Address	Po
		2503			

- a). Device name: capable change device name, the default setting as chConfig01.
- b). Device type: select device type, which includes IPC, DVR, and HVR. The default setting as IPC.
- c). Remote access: setting the remote access, the rage as $0 \sim 65535$.
- d). Protocol: setting the device protocol, NETIP or ONVIF. The default setting as NETIP.
- e). Data stream: capable setting the device data stream, which includes main stream and sub-stream, the default setting as main stream.
- f). Device address: display IP Address for current selected device.
- g). Port: display the port for current selected device.
- h). User account: type in user account for IP cam or DVR. The default setting as admin.
- i). Password: type in password for IP cam or DVR. The default setting as blank.



- Path: Main Menu/System
 Setting/ Channel
 management/Channel status
- Example status : Display the connect status for current network.

า	/ mChannel	status		_	×
tatus ect ⁻ k.	Channel D01 D02 D03 D04 D05 D06 D07 D08 D09	Stream 1080P 1080P 1080P 1080P 1080P 1080P 1080P 1080P	Mainstream/Sub-Stream Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Connection Status NoConfig NoConfig NoConfig NoConfig NoConfig NoConfig NoConfig NoConfig NoConfig	
					Cancel





Under 8CH channel mode, check the different mode to record video with different resolution. For instance, check the 5MP 4CH under IP, can record video at maximum 5MP 4CHresolution, and also display the maximum playback times under this mode. The system requires restart after you confirm this setting.



- Path: Main Menu/ System Setting/ Channel management
- Digital : Set channel mode.
 After restart device, the channel mode connects with network, so it will display digital channels and channel status.



- Path: Main Menu/
 System Setting/ Digital channels
- Digital channels: Digital channel capable setting record by which IP Cam or DVR.

Digital channel	S
-Digital channel	s 🛛 🔀
Channel Time Sync Connection mode	1 Tenable Decode Order Middle T 3
Network Configura	All e IP Address IP Channel
Add Dele	ete
	Advanced OK Cancel

- a). Channel: setting internet channel separately or together
- b). Enable: setting digital channel after check enable, the default setting is off.
- c). Time synchronization: check to ensure time synchronization with system time in every IP Cam and DVR
- d). Decoding strategy: select the network transmission mode, real-time priority, medium, smooth priority. Default setting as medium.
- e). Connecting mode: can select single connection or multiple connecting modes, the multiple connections can connect single channel with multi IP cam or DVR

device, it display image with tour. The default setting is single connection

- f). Add: search the current connectable IP Cam or DVR device.
- g). Delete: can delete the IP Cam and DVR device from network setting list.

Remote access channel setting

- Path: Main Menu/System
 Setting/ Channel Management/
 Digital channel/ Remote access
 channel setting
- Add : get into remote channel setting, click "search" showing all current connectable IP Cam and DVR information.

ooningur. nume	chConfig01			
Device Type	IPC	 Protocol 	NETIP]
IP Channel	1	Stream	Main Stream -]
Device address	192.168.1.:	20	Network	
Port	34567			
Username	admin	Password		
0 Device N	lame	MAC	IP Address	Po

- a). Device name: capable change device name, the default setting as chConfig01.
- b). Device type: select device type, which includes IPC, DVR, and HVR. The default setting as IPC.
- c). Remote access: setting the remote access, the rage as $0 \sim 65535$.
- d). Protocol: setting the device protocol, NETIP or ONVIF. The default setting as NETIP.
- e). Data stream: capable setting the device data stream, which includes main stream and sub-stream, the default setting as main stream.
- f). Device address: display IP Address for current selected device.
- g). Port: display the port for current selected device.
- h). User account: type in user account for IP cam or DVR. The default setting as admin.



- i). Password: type in password for IP cam or DVR. The default setting as blank.
 - Channel status
- Path: Main Menu/System setting/ Channel management/Channel status

Channel status : Display the connect status for current network.

Channel	status		×
Channel D01 D02 D03 D04	Stream 5M 5M 5M 5M	Mainstream/Sub-Stream Unknown Unknown Unknown Unknown	Connection Sta NoConfig NoConfig NoConfig NoConfig
L		_ 11	Cancel

5.1.4 Management tools

- Path: Main Menu/Manage tools
 - setting system tools,
 which includes: hard disk
 management, account
 management, online user,
 output adjustment, automatic
 maintain, restore, system
 update, device information and
 input/output.





5.1.4.1 Hard disk management

- Path: Main Menu/ Management tools/ Hard disk management
- Information and other

operations.



- a). Set read/write disk: capable setting hard disk as read/write disk.
- b). Set read only disk: capable setting hard disk as read only.
- c). Set Mirror disk: Set 2 synchronize hard disk, 2 hard disks have same information and files. This function only capable for use 2 hard disks above.
- d). Format hard disk: for format hard disk
- e). Restore: restore the system error.
- f). Hard disk division: divide hard disk into many area.

5.1.4.2 Account management

 Path: Main Menu/Management tools/Account management
 Account management: setting account user, password group and so on.

A 🗯	dvanced > Aco	count		× ×
2 1 2	User Name admin default	Group admin user	Status GUI Default User	Modify User Modify Group Modify Pwd Add User Add Group Delete User Delete Group Update
				Cancel

a). Modify user: modify current or new user account.



- b). Modify group: modify current or new group
- c). Modify Pw: modify current or new account passwords.
- d). Add user: add a new user account
- e). Add group: divide current accounts with groups.
- f). Delete user: delete current user account
- g). Delete group: delete current group
- h). Update: press update button after finish add or modify account or groups.

5.1.4.3 Online user

- Path: Main Menu/Management tools/ Online user
- display online user account, IP, and login method.



5.1.4.4 Output adjustment

 Path: Main

 Menu/Management tools/ Output Adjustment
 Output Adjustment

 setting rage and image
 brightness, contrast, saturation, and hue.



5.1.4.5 Automatic maintain

- Path: Main Menu/Management tools/ Automatic maintain
- Set automatic maintain time, system restart time and delete file automatically



5.1.4.6 Restore

- Path: Main Menu/Management tools/ Restore
- Restore default setting, capable select and restore single or multiple terms, which includes: general setting, resolution/FPS setting, time setting, alarm setting, network setting, network service, display setting, account management, and port.

5.1.4.7 Update

- Path: Main Menu/Management tools/Update
- System update: put update files in USB device, insert into DVR, select the update position, press update button and finish update.



🔗 Main Menu->A	dvanced->Upgrade	× ×
Upgrade Position	/dev/sdb1	
Upgrade file	DXB_V4.02.R11.20130619.	
	Upgrade	Cancel



5.1.4.8 Device info

- Path: Main Menu/Management tools/Device info
- Device Info. : setting device hardware information.

Advanced > Device In	fo. 🔀
Audio In Channels Alarm In Channels Alarm Out Channels Remote control type Pad Type Maximum Playback large Default playback large Enable RS232 ☑ Enable	8 4 1 General ▼ General ▼ 4 PTZ ☑
Maintain	OK Cancel

5.1.4.9 Input/output

- Path: Main
 Menu/Management
 tools/Input/output
- Output current log and setting by USB. If user accidently restore device, can input log and setting again.

🕴 Main Men	u->Advanced->Import/Export	-		×
Device Name	/dev/sdb1	D		
LOG				
File Name	Log_201306241111.zip		Export	
Set				
File Name	Cfg_V4.02.R11.41400061.11		Export	
File Name		P	Import	
				Cancel



5.1.5 System information

- Path: Main Menu/ System info
 - : review system information. Divide into hard disk information, data bits information, device version, and log.



- 5.1.5.1 Hard disk information
- Path: Main Menu/ System info/ Hard disk info
- Remaining capacity

2 N	1ain I	Menu	->Info-	>HDD Info	-	_	-			×
SATA	\ 1 -	2 0								
		T	уре	Capacity	Left	Capacity	S	tatus		
All				2.72 TB		0.00 MB				
2-1*	Re	≱ad/W	/rite	2.72 TB		0.00 MB	Ν	ormal		
				ſ	Vie	w recordin	ıg time	s (Cance	

a). Review hard disk recording time

S N	lain Menu->Info->HDD Info		×
SATA	v 1 2		
	- 0		
	Start Time	End Time	
All	2000-01-07 20:03:16	2013-06-24 11:13:23	
2-1*	2013-05-20 08:45:11	2013-06-05 09:06:11	
	2001-01-01 04:26:29	2013-06-20 18:59:44	
	2000-01-07 20:03:16	2013-06-24 11:13:23	
	2013-05-17 01:55:11	2013-05-20 08:45:12	
		View type and capacity Cance	el



b). Review hard disk type and capacity

🛛 👷 Main Menu->Info->HDD Info 🛛 🛛 🔀										×	
SATA	× 1 -	2 0									
			Туре	Ca	apacity	Left	Capacity		Status		
All				2	.72 TB		0.00 MB		-		
2-1*	Re	∍ad/	Write	2	.72 ТВ		0.00 MB		Normal		
						Vie	w recordir	ng tin	ies	Cano	el

5.1.5.2 Bit statistics

 Path: Main Menu/System info/ BPS



 BPS : review system bits stream information, display all channels recording bits.

Ointo >	BPS	_	_	_	_	
Channel	Kb/S	MB/H	Channel	Kb/S	MB/H	
1	927	203	5	35	7	
2	34	7	6	34	7	
3	34	7	7	34	7	
4	34	7	8	35	7	
						Cancel

5.1.5.3 Information content

 Path: Main Menu/ System info/ log



I Log : review system log record device usage information.

	(M	1ain M	lenu->	Info->LO	a		_	_			×
ľ	•	Туре		All	-							
I		Start	Time	2013	- 06- 24	00	: 00: 00			Pre	e Page	
I		End ⁻	Time	2013	- 06- 25	00	: 00: 00			Nex	kt Page	e
I		22	Log T	ime			Туре		LOG			ור
ı I			2013-	-06-24	08:32:55		Save Config	uration	GUI			
"		2	2013-	-06-24	08:32:55	5	Save Config	uration	Video	outpu	ıt prio	
I		3	2013-	-06-24	08:32:56	5	Shut Down		2013-	6-24	08:32	
I		4	2013-	-06-24	08:33:36	5	Reboot		2013-	6-24	08:32	
I		5	2013-	-06-24	08:33:36	5	Log In		Userd	lefaul	t Logl	4
1		6	2013-	-06-24	08:34:07	7	Log Out		Userd	lefaul	t Log(
I		7	2013-	-06-24	08:34:07	7	Log In		User a	admin	LogIr	
I		8	2013-	-06-24	08:34:17	7	Save Config	uration	GUI			
I		9	2013-	-06-24	08:34:17	7	Save Config	uration	Video	Outpu	ut	
I		10	2013-	-06-24	08:34:18	3	Shut Down		2013-	6-24	08:34	
I			0040			Ì				<u> </u>		
I												
I							Search	Re	move	C	ancel	

5.1.5.4 System Version

- Path: Main Menu/ System Info/ System version
- review system version, the device number and software version.

🖉 🖉 Info > Versio	n	<u>×</u>
Record Channel System Build Date MAC SerialNo Status Nat status Nat status Nat status code	8 V4.02.R11.41400140.12201.141900.00000 2017-02-18 14:00:39 001216a6b2c2 35837edf4d08851f 342 DisEnable	OK

5.1.6 Logout

 Path: main menu/ logout



Logout : logout system: logout/shutdown/reb oot



- 5.2 Recording mode
- Path: quick menu/ recording mode
- Quickly setting every channel mode as setting/manual/off.

Record Mode													×	
Mode	All	1	2	3	4	5	6	7	8					
Manual	0	0	õ	õ	õ	õ	õ	õ	0					
Stop	0	0	0	0	0	0	0	0	0					
						ſ		ок		ר	C	anc	el	٦



5.3 Playback Backup

- Path: quick menu/ playback backup
- For details, please refer to 5.1.1.2 Playback Backup



5.4 PTZ setting

- Path: quick menu/ PTZ setting
- Setting PTZ function before operate PTZ, please refer to 5.1.3.6 PTZ setting



5.5 High speed PTZ

- Path: quick menu/ high speed PTZ
- In screen display, use mouse to control PTZ camera angle.
- 5.6 Alarm output
 - Path: quick menu/ alarm output





5.7 Image color

Path: quick menu/ image color						
Color Setting:05	×					
Period 🛛 🖉 00:00 - 24:00 🔲 19):00 - 07:00					
Brightness 50	 50					
Contrast 50	 50					
Saturation 50	 50					
Hue 50	 50					
Gain 🛛 🖛 🖛 🖛	0					
Horizon Sharpness — 8 —	8					
Vertical Sharpness ———— 15 —	1 5					
Advanced	OK Cancel					

- 5.8 Output adjustment
 - Path: quick menu/ screen adjustment
 - For details, please refer to 5.1.4.4 output Adjustment

Advanced > Ou	tput Adjust	×
Top Deflate	•	0
Bottom Deflate		0
Left Deflate		0
Right Deflate		0
Black vertical		50
Black horizontal	——	50
Display Settings	VGA/HDMI	
Brightness		50
Contrast		40
Saturation		55
Hue		45
Advanced	OK Ca	ancel



5.9 Logout

- Path: quick menu/ logout
- For details, please refer to 5.1.6 log out.





D. NET Surveillance WEB IE remote operation

- 1. IE login connect
 - Open IE, type in DVR name, IP address, or DDNS in address bar
 - Enter login screen as showing below.
 - Select language.
 - Type in correct user name and password, login monitoring screen.
 - If do not set user name or password, login by type in admin in user name and press login button.



- 2. Login screen display
 - Star screen: display main bits stream and sub bit stream monitor, the default setting as sub bits stream.



• Login and watch records directly



3. Operation screen display



- Select remote monitor channel
- System function

Playback	Log	DeviceCfg	LocalCfg	Log Out	
∎ P	layback: seai	rch for video rec	ords that o	apable for pl	layback.
	Playback			8	
	PlayBack	Remote 💌			
	Query Mode	By Name C By	Time		
	Туре	All videos 💌			
	Begin	2017/ 2/23 💌 上	午 12:00:00 🕂	3	
	End	2017/ 2/23 💌 🏹	午 11:59:59 🕂	Ē	
	Synchronous	Г			
	Channel	1 2 3 4 5	6 7 8		
	Se	arch Cancel			



■ Log: review alarm and operation log.

Log								
Alarm log	Operate log							
Туре	Date	Time	User	Describe				
Notify	2013-06-14	16:27:42	admin	114.26.147.97 Connect successful				

 Device setting: offer record function/ alarm function/system setting/management tool/ system information setting





Device config	Device config 😵
Setting -> Record	Setting -> Record -> Record
Record	Channel 1 Redundancy Length 60 Min PreRecord Stop Record Mode Timing Manual Stop Week All Regular Detect Alarm Period 1 00 00 Image: Control of the stop o
	Copy Paste Refresh OK Cancel

2(

2) Alarm function: offer movement detection/ channel blind/ video loss/ alarm input/alarm output/Abnormal setting and so on.



Movement detection

Setting -> Alarm	ı -> Video M	otion			
Channel	1 -]			
Enable			100		
Sensitivity	Middle	Region		Setting	
Period	Setting	Interval	2	Sec	
Alarm Output	1	Delay	10	Sec	
Record Channel	1 2 3	4 5 6 7 1	B		
Tour	1 2 3	4 5 6 7 1	B		
PTZ Activation	Setting	Delay	10	Sec	
📕 Show Message		📃 Send	Email		
🔲 Buzzer		🔲 FTP			
🔲 Write log					
Сору	Paste	Refresh	OK	Cancel	

Channel blind

Channel Enable					
Sensitivity Period	Settinz				
Alarm Output	1		Delay	10 Sec	
Record Channel	1 2 3	4 5 6 7	8	17. V	
Tour	1 2 3	4 5 6 7	8		
PTZ Activation	Setting	I	Delay	10 Sec	
🔲 Show Message			Send Email		
🔲 Buzzer		1	FTP		
🥅 Write log					
Сору	Paste	Refresh	OK	Cancel	



Video loss

	Vic	leo lo	SS					Alar	m	output
Device cor	nfig					0	Device co	onfig		
Setting	-> Alarn	-> Video Lo	S S				Setting	-> Alarm ->	Alarr	n Output
Channel		1 💌								
Enable		-								
							A	larm Mode	A11	1
Period		Setting					C	onfiguration	۲	•
Alarm Ot	utput	1		Delay	10 Sec		М	lanual	۲	•
Record C	Channel	1234	5678				St	top	•	•
lour		1 2 3 4	1 5 6 7 8	Duluu	10 - 1 s		St	tatus		
F12 Act	Message	Setting		Send Email	10 200					
📕 Buzze	er			FTP						
🔲 Write	log									
Coj	ру	Paste	Refresh	OK	Cancel					
									0	K Cancel

Abnormal





3) system setting: offer general/FPS/Network/Network service/output mode/PTZ/RS232 setting.



3.1) general

Device config						8
Setting -> Syst	em -> Ge	neral				
Time Zone	[UTC+0	8:00]Beijing,U	rumqi, Taipei, Su	igapore	2	-
System Time	2017/ 2	1/23 🛛 下	午022÷			
Date Format	YYYY	MM DI 🛨 🔲	DST	Setting		
Date Separator	•	-				
Time Format	24-HOU	IR 💌				
Language	ENGLI	SH 💌				
HDD Full	Overwr	te 💌				
DVR No	0					
Video Standard	NTSC	*				
Auto Logout	2	Mi				
R	efresh	OK	Cancel			

3.3) Network



3.2) FPS

H 264 H 264 Kenchulon ABD-H/1080P CIF I2 FR2 12 Bit Refs Type VBR VBR VBR Calify Good Good General VBR I33 VER I2 Vitteo/Atudo I	H 264 H 264 H 264 F Reachadon ARD-H/1080P CIF I Reschadon III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Channel	1	-		
AHD-H/1080P CIF RS 12 12 RS 12 12 Bit Rets Type VBR VBR yeakity Good General Bit Rets (2MS) 1959 183 Frame Interval 2 2	AHD-H/1000P CLF RS 12 RS 12 Stit Rets Type VBR Quality Good Good General Stit Rets (CMS) 1959 Files (Addio) 2	Compression	H.264	•	H.264	-
FRS 12 12 Bit Rule Type VBR VBR Juality Good General Did Rule (XbS) 1959 183 Frame Interval 2 2 Fideo/Audio Image: Comparison of the second sec	T2 12 Bit Rds Type VBR Quality Good Good General Bit Rds (Xb.S) 1959 Fieme Interval 2 Fieme Interval 2	Resolution	AHD-H/1080P	•	CIF	-
Bit Rats Type VBR VBR Quality Good General Eit Rate (Kb.S) 1959 183 Frame Interval 2 2 False Aution Image: Constraint of the second se	Bit Rate Type VDR VDR Quality Good General V Bit Rate (KUS) 1959 V 183 V Frame Interval 2 2 V Video/Andio V	FPS	12	•	12	-
Quality Good General General Files (Factor) 1959 Files I and General Files France Interval 2 I France Interval 2 I France Interval I I I I I I I I I I I I I I I I I I I	Quality Good General G	Bit Rate Type	VBR	-	VBR	-
Eit Rate (Chol) 1999 - 1997 -	Ett Rate (fakt) 1958 V	Quality	Good	-	General	_
Feane Interval 2 2	France Interval 2 2	Bit Rate (Kb/S)	1958	Ŧ	183	*
Finiteo/Andio 🖬 🖬 🖬 🖬	řideo/Andio 🗹 🗖	Frame Interval	2	•	2	-
in a statement		Video/Audio				
Static configuration of high profile 💽	Static configuration of high profile	Static configuration	of high profile			

3.4) Network service





3.5) Output mode

Device config						6
Setting -> Syst	tem -> GL	l Display				
CAM Name	Settin	g 🔤				
Time Titile		Channel	Title			
Video Status		Alarm str	atus	•		
Anti-jitter						
Transparency		255				
Resolution	1024*76	3 👻				
Channel	1	•				
Region Cover						
Time Titile		Channel Title	V		Setting	
F	Refresh	OK	Cancel			

3.6) PTZ setting

	PTZ Device		RS485 Device		
Channel	1	•			
Protocol	PELCOD	•	NONE	•	
Address	1		1		
Baudrate	9600	•	9600	•	
Data Bits	8	•	8	-	
Stop Bits	1	-	1	-	
Parity	None	-	None	-	

3.7) RS232



2(

4) management tools: offer disk management/ user

management/automatic maintain/restore/output/input/reboot/update/ channel mode setting.



4.1) disk management



4.3) Auto maintain



4.2) user management



4.4) restore

ng -> Advanced -> Default e select zetting entries that you want to default tall Encode Finance Finace Finace Finance Finance Finance Financ	A CONTRACTOR OF
e select setting entries that you want to default t all I Encode I ral Alarm Set I ork NetErvice I Dipplay Account I 2 I	ing -> Advance
tall Director Concernant Alarma Set Director Concernant Concernation Concernatio Concernation Concernation C	ase select setting entr
ral Encode E rol Alarm Set E onk E NetService E Display E Account E	ect all
rd Alarm Set E onk E MetEarwice E Dinplay E Account E	ieral
ank 🖬 NeEarvice 🖬 Dinplay 🖬 Account 🖬 12	bro
Dinplay 🖬 Account 📕 32 🔲	work
32	l Display
	232
OK Cancel	OK
OIL COMPA	on


4.5) input/output Setting > Advanced > Import Export Config Enport Config Export OK

4.7) update

Device config				8
Setting -> Advance	d -> Upgrade			
Local Update				
FileName:		B	rowse	
		Up	ograde	
		C	ancel	

4.8) channel mode

Device config						8
Setting -> Advanced -> ChannelType						
Lo	ical			Net		
AHDH	AHDNH	1080P	960P	3M	5M	
8 🗹	2	12	23	40	2	
	8	-	24	23	12	
4	2	4	10	10	9. C	
		8	8	2		
		10	<u>81</u>	12	4	
		10	8	4		
	OK			Car	ncel	
				1		

5)

System info: offer hard disk information/ log info/version





5.1) Hard disk information



5.2) log info



5.3) Version





■ Local setting: set recording image, photo storage position, alarm term.



1) Alarm setting-regular setting

Alarm setting	Alarm Type	1/0 Trigger	•	
	Alarm Enable	Yes	•	
System setting	Auto Watch Warn	No	•	
2	Alarm Prompt Sound	No	•	
	Sound File Path		-	Browse
		Apply		

Alarm setting- Synchronous settings

E 🧬 Config Manager	Alarm port	Video channel
Config Manager Manager Manager Manager Manager Manager Normal setting System setting About	Aam pott ⊡-Aam pott ⊕ fuho0032.ddns.net	Video channel E:-CAM E:-fuho0032 ddns.net Del >>
4		

2) System setting

3) About

Config Manager	6	3	Config Manager			8
Config Manager Aam setting Amulia setting AamLink setting System setting	Record DIR D.\Program Files\NetSurve Browse Length 60 min Picture DIR D.\Program Files\NetSurve Browse Image: Comparison of the stress of the stres stress of the stress of the stress of the stress of		Config Manager	Name WebVersion Net moduleVersion Monitor moduleVersion Config moduleVersion	Describe 1.0.2.28(2015/12/23) 4.0.8.65(2015/12/23) 2.3.2.1(2015/12/20) 2.0.9.96(2015/12/23)	
About	Automatically connect with the last monitoring channel Save local record as AVI		- Di About			
	Apply					
4 <u> </u>			< Þ			



User logout: logout IE

playback screen and channel display

	2017-02-17 15:12:01		2017-02-17 15:12:01		2017-02-17 15;12:01
CAM01		CAM02		CAM03	
	2017-02-17 15:12:01		2017-02-17 15:12:01		2017-02-17 15:12:01
CAM04		CAM05		CAM06	
	2017-02-17 15:12:01		2017-02-17 15:12:01		
CAM07		CAM08			

Image function operation button

4 🛛 🗆 🕮 📖 🖾 📾 🌆						
\boxtimes	Full screen					
	Single screen					
122	4 image screen	ß	Image capture			
	9 image screen	50				
		0				

• Volume: On or Off





6 PTZ operation



Image color setting





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