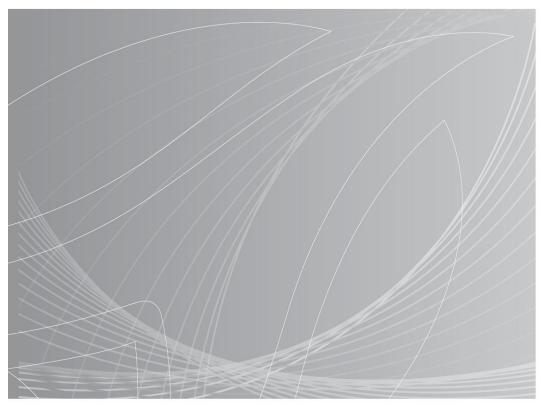
# **STANDALONE NVR** Quick Guide



About this Manual: Before installation and use of this machine, please read this manual carefully. Please make sure to keep this manual for future reference

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# 1. Initialization

Note: New hard disk must be formatted before you use.



# 2. Main Menu

Default ID: Admin





# 3. How to add device

Path: Channel  $\rightarrow$  Channel Manage

Channel list				
Channel	Туре	Property	Status	Connecting status
01	IPC	10.30.31.19 : 01	Enable	Connected
02	IPC	10.30.31.159 : 01	Enable	Disconnected
03	IPC	10.30.31.159 : 01	Enable	Disconnected
04	IPC	10.30.31.159 : 01	Enable	Disconnected
05	IPC	10.30.31.159 : 01	Enable	Disconnected
06	IPC	10.30.31.159 : 01	Enable	Disconnected
07	IPC	10.30.31.159 : 01	Enable	Disconnected
08	IPC	10.30.31.159 : 01	Enable	Disconnected
09	IPC	10.30.31.159 : 01	Enable	Disconnected
10	IPC	10.30.31.159 : 01	Enable	Disconnected
11	IPC	10.30.31.159 : 01	Enable	Disconnected
12	IPC	10.30.31.159 : 01	Enable	Disconnected
13	IPC	10.30.31.159 : 01	Enable	Disconnected
14	IPC	10.30.31.159 : 01	Enable	Disconnected
lug-and-play	Disable	<ul> <li>Enable</li> </ul>	EditType	Edit Back

### 3.1 Adding manually by ONVIF

**Step1.** Plug-and-play  $\rightarrow$  Disable

Step2. Double click targeted channel

### Step3. Edit

🔄 Digital channel mar	nage		€3
Channel Num	01	State	<mark> S</mark> Enable
Device type	Private protocol	Connect mode	IP
Device address	10.30.31.19	Port	3000
Proxy		User	Admin
Device channel	01	Password	****
Stream	Main stream	VideoPwd	
Intelligent add			
IP address increm	ent	Target channel	01 -32
Channel number i	ncrement		Batch adding
		Search	Confirm Cancel

Channel No.  $\rightarrow$  Select targeted channel

Device type  $\rightarrow$  ONVIF

IP address  $\rightarrow$  camera IP address, such as 192.168.1.2

Port No.  $\rightarrow$  camera port number, such as 3000

Account  $\rightarrow$  camera account, such as Admin

Password  $\rightarrow$  camera password, such 1111

Stream type  $\rightarrow$  Major stream or minor stream

3.2 Bulk adding device by ONVIF

Addr	Port number	Channel MAC address	Serial number	
/ 10.30.31.105	82	1	ID	
10.30.31.107				
10.30.31.156				
10.30.31.178				
10.30.31.195				
10.30.31.247				
10.30.31.248				
10.30.31.249				
10.30.31.251				
10.30.31.254				
				Þ
Select all	Invert select			Modify IP
vice type ONVI	E Conne	ect mode TCP	Search	Add

**Step1.** Device Type  $\rightarrow$  ONVIF

Step2. Click "Search" to make list of all available channels

Step3. Check all channels you want to add

Step4. Click "Add"

### 3.3 Adding automatically

Plug-and-play  $\rightarrow$  Auto

The NVR will add cameras automatically

## 4. How to setup video encode

🕎 Video encode setup	/		2 3
Channel	Channel 1	S.C stream	
EncodeType Resolution	H264	M.C. str.(live) M. code st. (t)	Enable corridor pattern
FrameRate	20	S.C stream	
BitRateType	CBR	T. template 1 T. template 2	
BitRate	640		▼ (32~16384Kbps)
Quality	Good		
StreamType	Video		
I FrameRate	40		▼ (10~100)
AudioEncode			
Enabled audio mixing	Source 1	Source 2	
Copy to	All		Сору
			Confirm Cancel

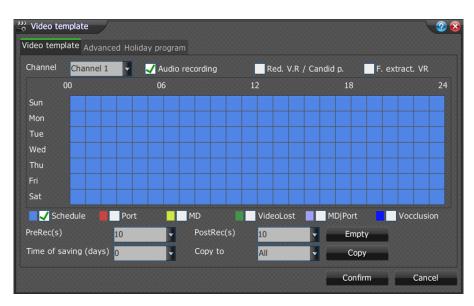
### 4.1 Channel

4.1.1 M.C. str.(live) → Main stream for current video status which cannot be modified.
4.1.2 M. code st.(t) → Main stream for timing recording.
(details see "Record → Video template → advanced → Time template ")
4.1.3 M.C. str.(e) → Main stream for alarm recording
4.1.4 S.C. stream → Second stream
4.1.5 T. template 1 → Main stream for timing recording template 1
4.1.6 T. template 2 → Main stream for timing recording template 2
(details see "Record → Video template → advanced → Time template 7)

### 5. How to setup recording



**5.1 Video template** Path: Record  $\rightarrow$  Template



- 5.1.1 Record audio → collect audio into recording
- 5.1.2 Redundancy  $\rightarrow$  make another backup recording in redundancy disk (which you have to set in Disk Management)
- 5.1.3 Smart Recording (F.extract.VR) → record less frame to save more space based on I-frame setting (which you can set in Video encode setup. The more value you set the more space you can save)
- 5.1.4 Schedule part  $\rightarrow$  left drag to select and right drag to cancel
- 5.1.5 Timing recording  $\rightarrow$
- 5.1.6 Port recording  $\rightarrow$  for external alarm host
- 5.1.7 Detecting recording  $\rightarrow$  for motion detection which you setup area in MD
- 5.1.8 Lost recording  $\rightarrow$  alarm when video signal lost
- 5.1.9 Detecting/Port  $\rightarrow$  activate detecting and port alarm at the same time
- 5.1.10 Block Recording  $\rightarrow$  record once screen of camera is blocked
- 5.1.11 Pre-record  $\rightarrow$  set from 1~60 second
- 5.1.12 Postpone record  $\rightarrow$  set from 1~600 second

### 5.2 Advanced

You can setup video template for each channel at any day in a week, which can be divided into 4 time section.

When you select "Invalid", M. code st.(t) (Main stream for timing recording) is enabled.

When you select "T.template 1", main stream for timing recording template 1 is enabled.

When you select "T.template 2", main stream for timing recording template 2 is enabled.

3 Video template					<b>?</b>
Video template Advanced	Holiday program				
Channel	Channel 1	-	·		
Date	Sun	-			
PreRec(s)	10	-			
PostRec(s)	10	-			
Time section	Rec type		Time Template		
<b>V</b> 00:00 - 23:59	Schedule	•	Invalid	<b>_</b>	
00:00 - 00:00			Invalid	<b></b>	
00:00 - 00:00			T. template 1 T. template 2	•	
00:00 - 00:00			Invalid	<b>-</b>	
Copy to					
Channel All	<ul> <li>Date</li> </ul>	All Week		Сору	
			Con	ıfirm C	ancel
			***************************************		000000000

### 5.3 Holiday record

It allows you to enable record or not in holiday as per your setting.

Step1. Edit target channel to enable the holiday status.

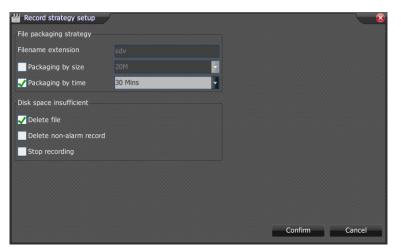
No.	Holiday name	Status	Start date	End date
01	Holiday1	Start	2013/01/01	2013/01/03
02	Holiday2	Start	2013/01/01	2013/01/03
03	Holiday3	Close	2013/01/01	2013/01/03
04	Holiday4	Close	2013/01/01	2013/01/03
05	Holiday5	Close	2013/01/01	2013/01/03
06	Holiday6	Close	2013/01/01	2013/01/03
07	Holiday7	Close	2013/01/01	2013/01/03
08	Holiday8	Close	2013/01/01	2013/01/03
)9	Holiday9	Close	2013/01/01	2013/01/03
10	Holiday10	Close	2013/01/01	2013/01/03
				Edit

**Step2.** Select "Holiday" mode in Video Template  $\rightarrow$  Advanced page.

ideo template Advanced	00000		
Channel	Channel 1	*	
Date	Sun	A	
PreRec(s)	Tue	<b>^</b>	
PostRec(s)	Wed		
Time section	Thu Fri	Time Template	
<b>V</b> 00:00 - 23:59	Sat	Invalid	•
00:00 - 00:00	Holiday	Invalid	
00:00 - 00:00			
00:00 - 00:00			
Copy to			
Channel All	- Date	All Week	ppy

### 5.4 Record Strategy setup

Path: Record  $\rightarrow$  Strategy



### 5.4.1 File packaging strategy

You can choose to package each recording file by size or by time

### 5.4.2 Deleting strategy

When the disk space is full you can choose one of 3 ways as below

- A. Delete file  $\rightarrow$  Overwrite the earliest recording files
- B. Delete non-alarm record  $\rightarrow$  Overwrite all recording files except alarm video

C. Stop recording  $\rightarrow$  Don't overwrite any files and stop recording

### 5.5 Manual recording

Path: Record  $\rightarrow$  Manual

You can check any channels which you want to record manually.

Description: to show status of targeted channels.

💽 Manu	al recordin	g													<u></u>
01		02 🖸		03		04		05		06		07	7 🗖	0	8 🔳
09		10													6 🗖
17		18											3		4 🗖
25		26													2
Descrip	Description														
🛄 No	video, no	t reco	rded						Vide	eo, not r	ecorde	ed			
T No	T No video, regularly recorded T Video, regularly recorded														
H No	No video, manually recorded II Video, manually recorded														
A No	video, ala	arm-ree	corde	d					Vide	eo, alarm	i-recoi	ded			
U Vie	U Video, user-defined recording								Vide	eo, user-	define	d recor	ding		
								Ш.,	Star	t all		Stop al		В	ack

# 6. How to setup Redundancy Recording

Path: System  $\rightarrow$  Disk  $\rightarrow$  Disk management

Step1. Check target disk.

sic configuration	Advanced set	tings S.M.A.R.	т.			
Device	Size	Used	Free	Sleep	Property	Disc set
SATA2	3.63T	3.61T	25.59G	N	R/W	1

Step2. Select disk use for R/W (redundancy recording)

🔗 Disk setup	2
Magnetic disc number	
Disk use for	R/W
Minimum remaining space	2G

### **Step3.** Record $\rightarrow$ Template

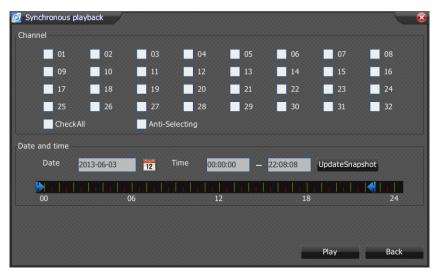
Check Red.V.R / Candid p.(redundancy recording mode)



# 7. How to setup Sync playback

Step1. Check targeted channels for sync playback

If there are recording files checked channels can share it will show lines in green at timeline below.



Step2. Control playback for checked channel



**Step3.** Use scissor tool to cut a clip of video you want and export it to U-disk. Click the scissor icon firt for beginning and second for ending.

편 Clip backup		3
Backup path	S	electing path
	Confirm	Cancel

# 8. How to export the video recording

### **Option 1 Normal Backup**

Step1. Search Video Record

🐼 Video record search				•
Channel	All			
Туре	All			
Range	Video record file			
Start date	2014-02-11	Video snapshot		
Start time	00:00			
End date	2014-02-11	12		
End time	23:59			
			Search today's	Search



To see which period the video is available and what kind of video it is in a day.

🔯 Video sna	pshot						
2014-02-11	12	00:00-23:59					
00 01		12			24		
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16					Schedule	Manual	Alarm video
			Т	he day before	The day after	Confirm	Cancel

### **Option 2 Quick Backup**

This is a quick way to search video files in a period. And you can choose to export the video to U disk, network hard drive or other devices.

🐼 Quick backup	8
Start time	2014-02-24 00:00
End time	2014-02-24 21:13
Channel	All
Туре	All
Target	U disk
Range	U disk
	USB hard drive
	EUSB drive
	000000000000000000000000000000000000000

# 9. How to setup snapshot

### 9.1 Snapshot picture

Path: Record  $\rightarrow$  Snapshot

This allow you to browse and search snapshot picture here

<table-of-contents> Snapshot pi</table-of-contents>	cture	/						2
Channel	All		•	Time	2013 <sup>-</sup>	-02-19 00:00	- 2013-02-	19 23:59
Туре	All		-	Port			<b>•</b>	Search
Туре		Channel S	Size		StartTi	ne		
CheckAll		Picture	0000	/ 0000	Page	lump	Pro	Next
		rieture	0000		Tage	Jump	Pre.	000000000000000000000000000000000000000
Anti-Selecti	ng					View	Delete	Back

### 9.2 Capture Setting

Path: Record  $\rightarrow$  Capture set

The NVR will automatically capture snapshot pictures at a certain interval seconds as your setting ranging from 5 to 9999 seconds, also which allow you to upload the pictures by FTP.

📔 Capture setting				•
Channel	Channel 1			
Capture mode	Single picture			
Interval (seconds)		(5~9999)		
Upload FTP	FTP setting			
Copy to	All	Сору		
			Confirm	Cancel

# **10.** How to setup preview

Path: Preview  $\rightarrow$  preview mode setup

🚰 Preview mode setup								
Preview effect	Optimun	n image o	quality	-				
Output	VGA/BN	С		•				
Interval(Secs)	None sw	vitch		•				
Screen(s)	16 Scree	ins	🔻 b					
	01	02	03	04				
	05	06	07	08				
	09	10	11	12				
	13	14	15	16				
Alarm cruise interval(Secs)	2			•				
				'	AutoConfig	Conf	ìrm	Cancel

**Preview effect**  $\rightarrow$  If you select "Maximum performance capacity" **as the recommend** you will get as the most channels for preview at the same time as you can.

If you select "Optimum image quality" there are limit of channels for preview at the same time.

Output  $\rightarrow$  You can choose either HDMI1 or HDMI2 (different source),VGA or BNC.

Interval  $\rightarrow$  When you set switch of preview you can setup interval seconds for switch.

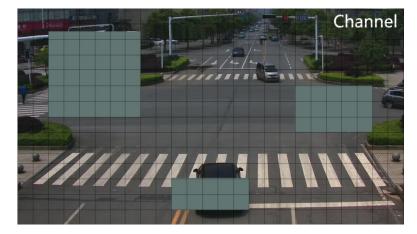
Screen  $\rightarrow$  Target a suitable split screen according to channels.

Alarm cruise interval  $\rightarrow$  Setup interval seconds for triggered alarm channels.

Auto configure  $\rightarrow$  NVR will distribute channels into each screen orderly.

# **11.** How to set Motion Detection

11.1 Enter into motion detection alarm page.
Handle this → Check it to enable the motion detection
Sensitivity → Set sensitivity of motion detection
Schedule → Setup schedule for targeted event
Video Rec → To make a linkage between alarm and recording
Alarm Out → To make a linkage between alarm and alarm host
Snapshot → To make a linkage between alarm and capture snapshot pictures
Area Setep



# 12. How to setup IVA(Intelligent Video Analysis)

Path Alarm  $\rightarrow$  UI Analysis

**Step1.**Start smart analysis  $\rightarrow$  Check to enable IVA

🚺 Smart analysis sett	ting			<b>8</b>
Channel number	Channel 1	Start smart analysis		
Basic parameters Eve				
Target color		Green		
Target alarm color		Red		
Detect sensitivity		Medium		
Track length (0-40)		0		
🏹 Display target				
Display track				
			Apply Exi	t

Step2. Basic Parameters

Target color  $\rightarrow$  Select square color of objections Target alarm color  $\rightarrow$  Select square color of objections when it alarms Detect sensitivity  $\rightarrow$  Set sensitivity for IVA detection Track length  $\rightarrow$  Set the tracing lines length of objections Display target  $\rightarrow$  Check to display the square of objections Display track  $\rightarrow$  Check to display the tracking lines

Smart analysis setting		
Channel number Channel 1 Start smart analysis		
Basic parameters Event setting Alarm information Alarm setting		
Rule number 1 Rules valid		
Rule name		
Event Tripwire		
Event conf. Track setting		
	Apply	Exit
	Арріу	LXIL

### Step3. Event setting

Rules Valid  $\rightarrow$  Check to enable rules of IVA

Rule number  $\rightarrow$  Set rule number for IVA

Rule name  $\rightarrow$  Set rule name for IVA

Event  $\rightarrow$  Include 4 kind of rules as below

Tripwire: The NVR will alarm automatically when anyone crossover the preset lines

Area protection: The NVR will auto alarm when anyone step into preset areas

Object lost: The NVR will auto alarm when anything would be left or gone in preset areas

Video signal detection: The NVR will auto alarm when the video signal does not work well Event configure

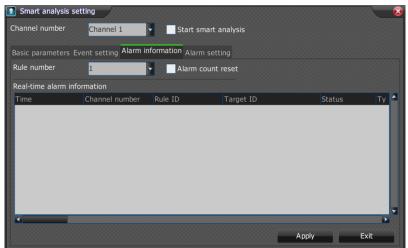


Track setting  $\rightarrow$  Preset to draw lines or areas for alarm



Step4. Alarm information

Alarm count reset  $\rightarrow$  Check to clear alarm count number





Smart analysis setting					8
Channel number Channe	11	Start smart analy	rsis		
Basic parameters Event settin		Alarm setting			
Rule nu 🛛 🗸 🗸	Event				
Process smart analysis		Schedule			
Action					
		VideoRec			
		AlarmOut			
		Snapshot			
		PTZ trigger			
Single screen					
Copy to	All	-			
			Сору	Apply	Exit

Rule no.  $\rightarrow$  To appoint a rule number

 $\mathsf{Event} \rightarrow \mathsf{Select} \text{ a targeted event}$ 

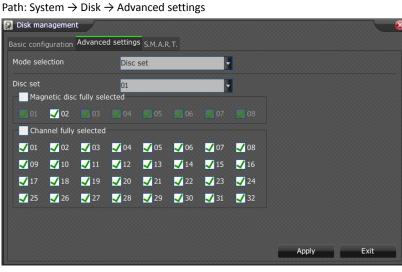
Process smart analysis  $\rightarrow$  To activate selected event

Schedule  $\rightarrow$  Setup schedule for targeted event Video Rec  $\rightarrow$  To make a linkage between alarm and recording Alarm Out  $\rightarrow$  To make a linkage between alarm and alarm host Snapshot  $\rightarrow$  To make a linkage between alarm and capture snapshot pictures PTZ trigger  $\rightarrow$  To make a linkage between alarm and PTZ preset, cruise or pattern mode Single screen  $\rightarrow$  To activate single preset screen when it alarms Sound hint  $\rightarrow$  Check to enable the NVR buzzing when it alarms  $OSD \rightarrow Check$  to enable OSD when it alarms

#### How to setup disk group and quota mode 13.

### 13.1 Disk group

It allow you to distribute different group for different disks and appoint recording of each channel into targeted disk group.



Mode selection  $\rightarrow$  Disk set

Disc set  $\rightarrow$  Disk group number

Disk number  $\rightarrow$  Check to sort out into targeted disk group

Channels number  $\rightarrow$  Check to sort out into targeted disk group

### 13.2 Quota mode

It allow you to see all the real disks as one virtual disk by which you can utilize fragment space of each disks

Path: System  $\rightarrow$  Disk  $\rightarrow$  Advanced settings

😫 Disk management		8
Basic configuration Advan	iced settings <sub>S.M.A.R.T.</sub>	
Mode selection	Quota	
Channel	01	
Video quota used		
Image quota used		
HDD total capacity		
Video quota(GB)	0	0 represents size not restricted
Image quota(GB)	0	0 represents size not restricted
Copy to	All	Сору
		Apply Exit

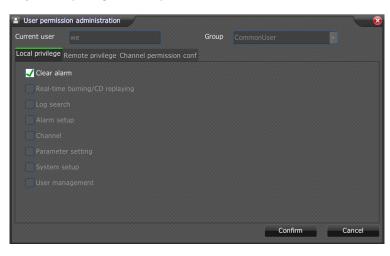
Mode selection  $\rightarrow$  Quota Video quota  $\rightarrow$  Distribute how much space for video recording files Image quota  $\rightarrow$  Distribute how much space for snapshot picture files

# 14. How to setup authority for different users

Current User  $\rightarrow$  Current user ID

Group  $\rightarrow$  Granted permission for current user

**Step1.** Local privilege  $\rightarrow$  Grant permission for local control



**Step2.** Remote privilege  $\rightarrow$  Grant permission for remote control

User permission administration			€3
Current user we	Group		
Local privilege Remote privilege Channel permission conf			
🖌 Clear alarm			
✔ Turn off/restart			
		Confirm	Cancel

**Step3.** Channel permission configure  $\rightarrow$  Grant permission for checked channels

	· ·				·		
User permis	ssion admin	istration					8
Current user				Group			
Local privilege	e Remote pi	rivilege Channel p	permission cor	nf			
Permission of	ptions	Remote preview	v	•			
All							
<b>V</b> 01	<b>V</b> 02	<b>V</b> 03	<b>V</b> 04	<b>V</b> 05	<b>V</b> 06	<b>V</b> 07	<b>V</b> 08
<b>V</b> 09	<b>√</b> 10	<b>√</b> 11	<b>V</b> 12	🖌 13	<b>√</b> 14	<b>√</b> 15	<b>√</b> 16
<b>√</b> 17	<b>V</b> 18	<b>V</b> 19	<b>V</b> 20	<b>V</b> 21	<b>V</b> 22	<b>V</b> 23	<b>V</b> 24
<b>V</b> 25	<b>V</b> 26	<b>V</b> 27	<b>V</b> 28	<b>V</b> 29	<b>V</b> 30	<b>V</b> 31	<b>V</b> 32
					C	Confirm	Cancel
	100000000000		00000000000000	000000000000		0000000000000	

# 15. How to set Color to Black

Path: Image  $\rightarrow$  Video Setup



Color/Black  $\rightarrow$  Set period in color or black&white mode.

🟦 Video input setup			20
Channel	Channel 1	-	Video rotation
Norm	PAL	-	Auto detection
Time	Section1	-	00:00-00:00
Color/Black	Color	-	Standard

### 16. How to set Bitrate for main or minor stream

Path: Image  $\rightarrow$  Encode Setup

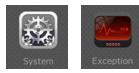


Set bitrate ranging from 32K to 16M.

🍞 Video encode se	tup		
Channel	Channel 1	M. code st. (t)	•
EncodeType	H264	Baseline Profile	•
Resolution	(4CIF)704x57	6(PAL)/704x480(NTSC)	Enable corridor
FrameRate	25		•
BitRateType	VBR		•
BitRate	2048		🚽 (32~16384Kbps)

# **17.** How to set exception hint?

Path: System  $\rightarrow$  Exception



Select how to hint for abnormal situation in exception interface.

💭 Exception hint setup			
Unusual circumstances	OSD	Sound hint	To server
🗸 Disk full	<b>V</b>		
No disk			
Jisk R/W error			
🖌 Illegal access	<b>~</b>		
IP address conflict			
MAC address conflict			
No available redundant magnetic disc			
Vetwork interrupt			

# 18. How to upgrade the device

Path: System $\rightarrow$ Up	odate	
	Update	
System update		
Update from local		
File name		
	[	Files
Update from FTP		
Server		
Username		
Password		
000000000000000000000000000000000000000		

### 18.1 Local upgrading

**Step1.** Plug USB storage device with upgrade firmware into NVR.

Step2. Check update from local

Step3. Click files to select target firmware(.bin or .box).

Step4. Click update to confirm.

### 18.2 Remote upgrading

Step1. Check update from FTP

Step2. Input IP address for FTP server

Step3. Input correct user name and password.

Step4. Click update to confirm.

# 19. How to setup APP software

**Step1.** Download **"Danaha"** from Apple or Android app store in mobile phone. Then enter Danaha ID in adding device interface.

Step2.Set video second stream "S.C stream" as CIF resolution in NVR.

🕎 Video encode setup	28
Channel	Channel 1 S.C stream
EncodeType	H264 Baseline Profile
Resolution	(CIF)352x288(PAL)/352x240(NTSC)
FrameRate	20
BitRateType	CBR
BitRate	640 (32~16384Kbps)
Quality	Good
StreamType	Video
I FrameRate	40 🗸 (10~100)
AudioEncode	G.711A • 8k •
Enabled audio mixing	Source 1 V Source 2 V
Copy to	All Copy
	Confirm Cancel

**Step3.** Enter **ID** in PU set in web client interface of NVR. Make sure it is same as what you enter in APP in your mobile.

▶ Audio Video Set	🕨 PU Set			
Camera Set	🗑 SIP Set			
VCA	and are set			
OSD	Server IP	0.0.0.0		
Storage Management				
Network Management	Server Port	0		
User Management	Server ID			
Alarm Management	26 20 2021		l i i i i i i i i i i i i i i i i i i i	
PTZ Management	Device ID	Danaha app ID		
Advance Set	User Name			
Local Set	Password			
- System Set	Password			
System Maintenance	RegValidity	0		
Access Platform	Keep-alive	0		
	Heartbeat Interval	0		
	Heart Rate	0		
		Need to Register		
	Channel No.	Channel 1		
	Channel ID	0		
	d	0		

Main Menu	Sub-menu	Contents
		Resolution settings for HDMI and VGA, and BNC
		format.
		Auto Detection
		Anti-flicker
	Display	Main port setting
	Display	Time display
		Menu property
		Buzzer and overtime setting
		Hide or display for indicators of recording
		Enable boot the wizard
		Mouse moving speed
		Video Flip
		Video input format
Image		Schedule of video parameters adjust
	Video Setup	Settings for brightness, contrast, saturation, color and
	Video Setup	etc.
		Color to Black
		Video encode mode and pattern
		Resolution
		Frame Rate (FPS)
	01001001010	Bit rate type
	10010101	Bit Rate
		Image Quality
	Encode Setup	Stream Type
		I-Frame
		Audio Encode Corridor Mode
		OSD for channel name and settings for color and
		position
	OSD	OSD for date and settings for color and position
	030	OSD for Week and 12-hour clock
	OSD	OSD for LOGO, content and position
	030	Customized OSD for content and position
		Encryption Settings
	Encryption	

# Appendix. Main menu navigation

	Preview Trim	Preview trim settings
	Template	Recording schedule settings Recording Type Event pre-alarm Event post alarm Holiday recording settings
	Strategy	Extension name of video files Package mode of video files Strategy of video files when the disk is full
Record	Manual	Start or Stop manual recording
	Playback	Play back the video, including speed up, slow down, step by frame, play for signal file, loop playback, add tag, management tag, tag playback, external files playback, move backward in 30 second, smart search.
	Management	Search the video files Backup settings Quick backup settings
	Snapshot	Snapshot pictures search Snapshot pictures Preview
	Capture Set	Snapshot Mode Snapshot interval times Snapshot upload by FTP or SMTP
	Reindex	Reindex the video files when the disk is replaced or index file is damaged.

	Type Management	Set customized the type of video files
	Burn	Burn the video files into CD or DVD Burn mode, speed and settings for seal and ejection
	DVD Playback	Play back by DVD
		Decoder protocol settings
		Decoder address settings
	C C C C C C C C C C C C C C C C C C C	Serial customized property settings
	Decoder	
		Control PTZ
$\sim$		Preset setting and calling
		Cruise path setting
PTZ		Track recording and playing
		Wiper Control
	PTZ	Lamp and auxiliary switch
	Protocol	Add or delete protocols in the protocol box
		Alarm input trigger port
		Arming time alarm input
	2.2	When prompted whether to sound the alarm occurs
	8.2	Alarm occurs when an alarm message is displayed on
		the screen
	Alarm In	Alarm input linkage video
		Linkage alarm input capture
0		Alarm input linkage alarm output
		Enter the preset alarm linkage call
Alarm		Alarm input linkage cruise path calls
		Alarm input linkage locus call

	Signal alarm output channel delay
	Arming time alarm output channel
Alarm Out	
	Motion detection sensitivity
	Motion detection area
	Motion detection time
	Whether voice prompts generated when motion
	detection alarm
Motion	When motion detection alarm generates an alarm
Detection	message is displayed on the screen
	Motion Detection Alarm Recording
	Motion detection alarm linkage capture
	Motion detection alarm linkage alarm output channel
	Video loss alarm is armed
	Whether voice prompts video loss alarm is generated
	Video loss alarm generated when the alarm message
	is displayed on the screen
Video Lost	Capture video loss alarm linkage
	Video loss alarm linkage video
	Video loss alarm linkage alarm output
	Video loss alarm linkage preset call
	Video loss alarm linkage cruise route calls
	Video loss alarm linkage locus call
	IVA Channel Enable Set
	IVA of basic parameters
	Rules enable IVA and parameter settings
11/4	IVA alarm count is cleared
IVA Intelligent	IVA real-time alarm information display
Video Analysis	IVA arm set
	IVA of whether voice prompts alarm occurs
	IVA of whether an alarm generated alarm message on
	the screen
	IVA alarm linkage analysis to capture
	IVA Alarm
	IVA alarm linkage alarm output analysis
	Note: Only full function model NVR support IVA
	Arming video tampering
	Whether voice prompts generated when the video
	tampering
Mask	

		Video produced tampering alarm message is displayed
		when the screen
		Video capture occlusion alarm linkage
		Video recording occlusion alarm linkage
		Video Tampering linkage alarm output
	Alarm Host	Linkage Network alarm host Serial linkage alarm host
	<u>~</u>	Manual alarm output
	Manual Alarm	Clear all current alarm linkage operation
Preview		Set the preview mode, alarm cruise intervals, set the order of the channel preview
		Device name, number set
		Automatically restart the device settings
		Equipment manufacturers related information
	i i i i i i i i i i i i i i i i i i i	Device serial number
	System Info	Kernel version, encoded version, web version, UI
	oyoten into	version display
		Memory Information Display
		System Time
(IVVI)		
类		IP address, MAC address display
	P	IP address, MAC address display
System		IP address, MAC address display PPPoE settings Automatically obtain an IP address / IP address
System	Network Setup	IP address, MAC address display PPPoE settings Automatically obtain an IP address / IP address manually set
System	Network Setup	IP address, MAC address display PPPoE settings Automatically obtain an IP address / IP address manually set Set DNS Manually
System	Network Setup	IP address, MAC address display PPPoE settings Automatically obtain an IP address / IP address manually set Set DNS Manually IP permissions
System	Network Setup	IP address, MAC address display PPPoE settings Automatically obtain an IP address / IP address manually set Set DNS Manually IP permissions Registration Center
System	Network Setup	IP address, MAC address display PPPoE settings Automatically obtain an IP address / IP address manually set Set DNS Manually IP permissions Registration Center DDNS settings
System	Network Setup	IP address, MAC address display PPPoE settings Automatically obtain an IP address / IP address manually set Set DNS Manually IP permissions Registration Center DDNS settings FTP settings
System	Network Setup	IP address, MAC address display PPPoE settings Automatically obtain an IP address / IP address manually set Set DNS Manually IP permissions Registration Center DDNS settings

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		Network Detection
		Network Resources Statistics
s	erial	Set the serial port parameters
		System hard List
		, Formatting the hard drive
		Hard disk partitioning operations
Disl	k	Select the hard disk usage, video, backup, read-only,
Mai	nagement	redundant
		Disk group settings
		Quota Set
		Disk S.M.A.R.T. detection
3		
2	V	Log search
Syst	tem Log	Log export
		Update by USB at local
	۱	Update by FTP at remote
Upc	date F/W	Tin way disk at full emergence of abnormal system
Upc		Tip way disk at full emergence of abnormal system
		Prompted abnormal way diskless system
		Prompted abnormal way diskless system Tip way disk read and write error exception occurs
	eption	Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system
		Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal
		Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when
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		Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when abnormal system Prompt manner MAC address conflict occurs when abnormal system When prompted no available way redundant disk systems
		Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when abnormal system Prompt manner MAC address conflict occurs when abnormal system When prompted no available way redundant disk systems Tip off mode network appears abnormal system
		Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when abnormal system Prompt manner MAC address conflict occurs when abnormal system When prompted no available way redundant disk systems Tip off mode network appears abnormal system DVR / NVR parameter reset
		Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when abnormal system Prompt manner MAC address conflict occurs when abnormal system When prompted no available way redundant disk systems Tip off mode network appears abnormal system DVR / NVR parameter reset Export Configuration parameters DVR / NVR's
Exce	eption	Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when abnormal system Prompt manner MAC address conflict occurs when abnormal system When prompted no available way redundant disk systems Tip off mode network appears abnormal system DVR / NVR parameter reset
Exce		Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when abnormal system Prompt manner MAC address conflict occurs when abnormal system When prompted no available way redundant disk systems Tip off mode network appears abnormal system DVR / NVR parameter reset Export Configuration parameters DVR / NVR's
Exce	eption	Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when abnormal system Prompt manner MAC address conflict occurs when abnormal system When prompted no available way redundant disk systems Tip off mode network appears abnormal system DVR / NVR parameter reset Export Configuration parameters DVR / NVR's Import configuration parameters DVR / NVR's
Exce	eption	Prompted abnormal way diskless system Tip way disk read and write error exception occurs when the system Tip illegally accessing the system appear abnormal Prompt manner IP address conflict occurs when abnormal system Prompt manner MAC address conflict occurs when abnormal system When prompted no available way redundant disk systems Tip off mode network appears abnormal system DVR / NVR parameter reset Export Configuration parameters DVR / NVR's

	Alias	Alarm output channel name management
	Time Setting	System time zone, time setting Set NTP timing
Users		Add User Delete User Edit User Information Edit User Permissions Online users list
Channels		Configure the digital channels Set to open or not as well as plug and play mode Display digital channel connection status All enabled, disable all digital channels Network access bandwidth remaining display IPC centralized management (parameter import, export parameters, remote upgrade, restart the IPC, etc.)
Log Out		Cancellation currently logged Refresh interface Reboot Shutdown
Relp		UI instructions