Network Video Recorder

User manual

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Introduction

Thank you for using our products, if you have any questions or support needs, please feel free to contact us.

Applicable models

This manual applies to all NVR products of our company

Declaration

We have done our best to ensure integrity and accuracy of the manual content, but also unavoidable to encounter Inaccurate technical issues, product functions does not match the operations or printing errors and so on, if you have any questions or disputes, please refer to our final interpretation.

The products and manuals will be updated in real time, without prior notice. The contents in this manual are for reference only, and we do not guarantee to be in accordance with the real object.

The parts and accessories mentioned in this manual are for illustrative purposes only and do not represent the configuration of the purchased model.

The default settings

Default administration account : admin.

Default administration password : admin.

Default ip4 address : 192.168.100.218.

Notational Conventions

A Warning	To Indicate that there is middle or low potential danger, if not avoided, may cause minor or moderate injury.				
attention to	To indicate there is a potential risk, if you ignore this text, may lead to equipment damage, data loss, equipment Performance degradation or unpredictable results.				
Info	To Represent the additional information of the text, which is the emphasis and supplement of the text.				

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Product Introduction

1.1 MiniStore

Front Panel Definitions:



Definition	Features	Status
POWER	Power indicator	Power normal, always bright
NET	Network status indicator light	After network connection, it starts blink, blinking speed depends on network flow amount.
HDD	Hard disk status indicator	Hard disk will blink while identification, blinking speed depends on identification speed.
USB	USB2.0	To connect the mouse to control the operation of the device

Back Panel Definitions:



Serial	Definition	feature	Serial	Definition	feature
numb			numb		
er			er		
1	DC12V	DC12V power supply	2	LAN/RJ45	10/100 Adaptive Ethernet
					interface
3	USB	USB2.0	4	HDMI	High Definition Multimedia
					Interface
5	VGA	VGA video interface	6	VGA	VGA video interface
7	Mic	Microphone interface	8	Speck	Earphone speaker interface

1.2 TurboStore

Front Panel Definitions:



Definition	Features	Status
POWER	Power indicator	Power connected ,always bright
	light	
NET	Network status	after network connection, it starts blinking, blinking speed depends on network flow
	indicator light	amount.
HDD	Hard disk status	hard disk will blink while identification , blinking speed depends on identification
	indicator	speed.
Switch	Power switch	Physical boot and shutdown
USB	USB2.0	to connect the mouse to control the operation of the device

Back Panel Definitions:



Serial	Definition	feature	Serial	Definition	feature
numb			numb		
er			er		
1	DC12V	DC12V Power interface	2	LAN/RJ45	10/100Adaptive Ethernet
					interface
3	USB	USB2.0 interface	4	HDMI	High Definition Multimedia
					Interface

5	VGA	VGA video interface	6	Mic	Microphone interface
7	Speck	Earphone speaker interface	8	Fan	drop in temperature

1.3 EverStore

Front Panel Definitions:



Definition	Feature	Status
POWER	Power indicator	Power is normal, always on
	Power switch	Physical boot on shutdown
HDD	Hard disk status	hard disk will blink while identification , blinking speed depends on identification
	indicator	speed.
USB	USB2.0 interface	to connect the mouse to control the operation of the device

Back Panel Definitions:



Serial	Definition	Features	Serial	Definition	Features
number			number		
1	Mic	Microphone interface	2	Speck	Headphone speaker
					connector
3	RJ45*2	10/100/1000adaptive Ethernet	4	VGA	VGA Video interface
		interface			
5	HDMI	High Definition Multimedia	6	USB*2	USB2.0
		Interface			
7	I/O	See the table below	8	Power	Power supply interface
	interface				

Interface 8 definition

Definition	Features	description	
А	RS485+	Standard RS485 positive signal, no internal 120 ohm matching resistor	
В	RS485-	Standard RS485 positive signal, no internal 120 ohm matching resistor	
G	GND	GND signal, used as the alarm input and RS232 ground	
No1-No4/	Switch alarm output	Relay switch output	
C1-C4			
1-16	Alarm input	Alarm input, the maximum voltage is 16V. Greater than 2V or open circuit	
		will be considered as high, less than 1V will be considered as low.	
Т	RS232-Tx	RS232 transmission signal	
R	RS232-Rx	RS232 reception signal	



Using Instructions

2.1 Operating Conventions

Mouse operation	Mouse operation instructions				
name	action	Description			
Left click	Click	Select and confirm in menu operation.			
	Double	Preview, playback, single-screen, multi-screen display switch.			
	Click				
Right click	Click	Preview: pop-up menu.			
		Menu: Exit the current menu and return to the preview window.			
		Video playback: Exit the video playback.			

2.2 Switch device

2.2.1 Switch



Make sure that the voltage applied to the NVR matches the requirements of the NVR and that the grounding terminal of the NVR is well grounded.

if the Power supply is not normal, The NVR will be unable to work, or even damage the NVR, it is recommended to use a stabilivolt power supply

Specific boot steps are as follows:

1> Plug in the power supply.

2) Press the "Power On" key on the rear panel, and the interface shown in the following figure will pop up after the device starts



2.2.2 Shut down



When the system prompts "The system is shutting down ...", please do not press the power "ON / OFF key". while device is running (especially while recording) Do not force the device to shutdown (Disconnect the power supply directly).



2.2.3 log in

User login / password protection	
User login : After Equipment normal boot , you need to log in before operation, The system provides the corresponding functions according to the login access rights. The default user name is admin and the password is admin. After login, please modify the user name and password as soon as possible.	Image: Login Username: admin Password: ****** OK
password protection : If the entered password was wrong 3 times, the alarm will be prompted and locked for 10 minutes.	Image: Second secon

2.3 The main interface right-click menu

Right click in the main interface will pop up [main interface right-click menu] 1>Single-screen / four-screen / six-screen / eight-screen / nine-screen / sixteen screen split screen selection, you can configure the interface. After selecting a single page, you can select one of the 32 channels to display. After selecting the four pictures, you can select channel 1 - 4. or channel 5 - 8 and so on, the other split screen selection and so on. 2> Preview Tour: This is an enable switch. Left click it will show or remove the image $\sqrt{}$. Display $\sqrt{}$ represents the Spilt1 preview round rotation functions. The specific rotation 🎞 Spilt4 time and rotation time channel are configured by entering Spilt6 the main menu. 3> Main Menu: Left click to enter the main menu. Configure Spilt8 the NVR 🔳 Spilt9 4> Video Playback: Left click to enter the menu, play the 🔲 Spilt16 video inside the hard disk. **Preview Cruise** 5> Backup: Left click to enter the backup menu. Connect the replacement storage device such as USB flash disk or 🙆 Main Menu removable hard disk to NVR to export the internal data of the Playback hard disk to the external removable storage device. 🗿 Backup 6> Maintenance information: Left-click to enter the menu to view information such as device running log and current 🗿 Maintain bandwidth. Setup Wizard > PTZ Control: Left click, PTZ control will be performed on PTZ Control the image channel. The channel videos will be displayed in Image Setting full screen and will pop up control menu. If the camera does not support PTZ protocol, the corresponding button on the Record Control pop-up menu does will not work. Exit 8> Image Settings: Left-click to adjust the NVR's HDMI and VGA outputs. 9> Record Control: Left click to bring up the shortcut menu. Quickly select which channels need to turn on or off recording. You can use his button if you need a key to open or close all channels. 10> Exit: Performs restart, logout, and shut down operations. See Section 2.1.2 Shutdown



main interface.

Return to the main page and save the settings

Right-click in the settings interface to quickly return to the

If you modify the NVR parameters in the setup interface, you will be prompted for the options to be modified.. The user can confirm the last time whether or not to save the changes. You can also remove the option that has been selected, so that the previous settings will not be saved.

 Save
 Unsave
 Back

2.4 Common settings

								×
			<u>`</u>				Ô	
Comn	non IPC	Channel	Encode	Record	Event	Network	Advance	
Device Information	on		Co	mmon Settings				
Name :	NTS-Device			Date/Time :	2016-09-16 0)7:47:15	🛄 🗘 Set	
Model :	NTS137-4			Date format :	Year/Month/	'Day		
Serial number	: CM142111604290	005		Language :	English			
Version :	V2.41			Auto logout :	60Min			
Time Settings								
Sync ipc tim	ne Sync inte	erval : 2	24Hour					
🗖 Daylight sav	ving time Increase	time :	30Min					
Enter time :	January		The first week	c - Sunda	y -	00:00:00		
Exit time :	January		The first week	c - Sunda		00:00:00		
Load common para su	uccess!					Update	Apply	Quit
Device name: The user of	can modify the devi	ce name throug	h	vice Informati	00			
the right soft keyboard.	it Supports Chinese	and English	De					
input.			_	Name :	NTS-Devi	ce		
Model: Displays the dev								
Senai Number. Shows t	he device ceriel nur	nhar		Model :	NTS137-4	ł		
Version number: Display	he device serial nur		2.	Model : Serial number				
Version number: Display After the upgrading of the	ys the version numb	er of the device		Serial number	r : CM14211			
	ys the version numb he device ,This item	er of the device						
After the upgrading of the current device version in	ys the version numb he device ,This item nformation.	per of the device		Serial number	r : CM14211			
After the upgrading of the current device version in Time setting: You can m	ys the version numb he device ,This item nformation. nodify the current sy	per of the device will display the stem time	e	Serial number	r : CM14211 V2.41			
After the upgrading of the current device version in Time setting: You can me through the right soft ke	ys the version numb he device ,This item nformation. hodify the current sy hyboard. Then click	per of the device will display the stem time	e	Serial number Version : mmon Settings	r : CM14211 V2.41	.1604290005	E Set	
After the upgrading of the current device version in Time setting: You can me through the right soft ke button on the right to set	ys the version numb he device ,This item nformation. nodify the current sy syboard. Then click t the NVR time.	er of the device a will display the rstem time the [Settings]	e	Serial number Version : mmon Settings	r : CM14211 V2.41 2016-09-16 0	.1604290005 7:47:15	E Set	
After the upgrading of the current device version in Time setting: You can me through the right soft ke	ys the version numb he device ,This item nformation. nodify the current sy syboard. Then click t the NVR time.	er of the device a will display the rstem time the [Settings]	e	Serial number Version : mmon Settings Date/Time : Date format :	r : CM14211 V2.41 2016-09-16 0 Year/Month/	.1604290005 7:47:15	■ • Set	
After the upgrading of the current device version in Time setting: You can me through the right soft kee button on the right to set Note: Clicking [Appendix Without clicking [Setting]	ys the version numb he device ,This item nformation. nodify the current sy syboard. Then click t the NVR time. ply] does not reset 1 g].	er of the device a will display the rstem time the [Settings] NVR time	e	Serial number Version : mmon Settings Date/Time : Date format : Language :	r : CM14211 V2.41 2016-09-16 0 Year/Month/ English	.1604290005 7:47:15	■ • Set	
After the upgrading of the current device version in Time setting: You can me through the right soft kee button on the right to set Note: Clicking [Appender Without clicking [Setting Date format : Choose the set of the s	ys the version numb he device ,This item nformation. nodify the current sy syboard. Then click t the NVR time. ply] does not reset 1 g].	er of the device a will display the rstem time the [Settings] NVR time	e	Serial number Version : mmon Settings Date/Time : Date format :	r : CM14211 V2.41 2016-09-16 0 Year/Month/ English	.1604290005 7:47:15	Set	
After the upgrading of the current device version in Time setting: You can me through the right soft kee button on the right to set Note: Clicking [Appender Without clicking [Setting Date format : Choose the personal habits.	ys the version numb he device ,This item nformation. nodify the current sy cyboard. Then click t the NVR time. ply] does not reset 1 g]. ne date format, depe	er of the device a will display the rstem time the [Settings] NVR time	e	Serial number Version : mmon Settings Date/Time : Date format : Language :	r : CM14211 V2.41 2016-09-16 0 Year/Month/ English	.1604290005 7:47:15	Set	
After the upgrading of the current device version in Time setting: You can me through the right soft kee button on the right to set Note: Clicking [Appender Without clicking [Setting Date format : Choose the set of the s	ys the version numb he device ,This item nformation. hodify the current sy cyboard. Then click t the NVR time. ply] does not reset 1 g]. he date format, depe English.	er of the device a will display the rstem time the [Settings] NVR time nding on your	e Col	Serial number Version : mmon Settings Date/Time : Date format : Language :	r : CM14211 V2.41 2016-09-16 0 Year/Month/ English	.1604290005 7:47:15	■ : Set •	

Main Interface [Right] \rightarrow [Main Menu] \rightarrow [Common Settings] pop-up Common Settings interface.

operation, provide automatic logo	ut function. After log	gging			
off, once again the operation of N	VR requires administ	trator			
account login.					
Synchronous IPC Time: Configure	the time interval for	IPC to synchronize	IPC. To ensure the	at all devices wit	hin the system
time consistency.					
Daylight saving time: tick the option	n, check the relevant	daylight saving ti	ne configuration.		
Time Settings					
Sync ipc time	Sync interval :	24Hour			
Daylight saving time	Increase time :	30Min			
Enter time :	January -	The first week	- Sunday	~ 00:00:00	
Exit time :	January -	The first week	- Sunday	• 00:00:00	===

2.5 IPC Management

Main interface [right] [main menu] [IPC management] pop-up IPC management interface.

			Encod		Record	Event	Netw	01K /	Advance
				Adde	d IPC				
ddress	Port	Protocol		Char	Address	Port	Protocol	Userna	Statu
92.168.17.60	6258	СМІ [01	192.168.17.51	6258	СМІ	admin	~
92.168.17.224	8080	ONVIF		02	192,168,17,56	6258	смі	admin	v
92.168.17.182	6258	CMI [· •
92.168.17.109	6258	CMI							<u> </u>
92.168.17.123	6258	CMI						admin	✓
92.168.17.112	6258	CMI		05	192.168.17.55	6258	CMI	admin	✓
92.168.17.134	6258	CMI		06	192.168.17.170	6258	СМІ	admin	~
92.168.17.119	6258	CMI		07	192.168.17.59	6258	СМІ	admin	~
92.168.17.181	6258	CMI		08	192 168 17 64	6258	смі	admin	v
92.168.17.130	6258	CMI		<u> </u>					· •
92.168.17.186		CMI							<u> </u>
92.168.17.215				10	192.168.17.96	6258	СМІ	admin	✓
92.168.17.87	6258	CMI		11	192.168.17.79	6258	СМІ	admin	✓
92.168.17.53	6258	CMI		12	192.168.17.62	6258	СМІ	admin	v
				13	192.168.17.60	6258	СМІ	admin	v
92.168.17.59	6258	CMI .		14					<u> </u>
	22.168.17.60 22.168.17.224 22.168.17.224 22.168.17.182 22.168.17.109 22.168.17.123 22.168.17.112 22.168.17.134 22.168.17.134 22.168.17.130 22.168.17.181 22.168.17.186 22.168.17.215 22.168.17.53 22.168.17.127	22.168.17.60 6258 02.168.17.224 8080 02.168.17.224 8080 02.168.17.182 6258 02.168.17.19 6258 02.168.17.123 6258 02.168.17.112 6258 02.168.17.112 6258 02.168.17.112 6258 02.168.17.119 6258 02.168.17.119 6258 02.168.17.181 6258 02.168.17.186 6258 02.168.17.186 6258 02.168.17.186 6258 02.168.17.186 6258 02.168.17.187 6258 02.168.17.215 6258 02.168.17.215 6258 02.168.17.215 6258 02.168.17.215 6258 02.168.17.215 6258 02.168.17.23 6258 02.168.17.24 6258 02.168.17.27 6258	D2.168.17.60 6258 CMI I D2.168.17.224 8080 ONVIF D2.168.17.224 8080 ONVIF D2.168.17.182 6258 CMI D2.168.17.182 6258 CMI D2.168.17.123 6258 CMI D2.168.17.124 6258 CMI D2.168.17.112 6258 CMI D2.168.17.112 6258 CMI D2.168.17.112 6258 CMI D2.168.17.112 6258 CMI D2.168.17.119 6258 CMI D2.168.17.181 6258 CMI D2.168.17.186 6258 CMI D2.168.17.186 6258 CMI D2.168.17.186 6258 CMI D2.168.17.186 6258 CMI D2.168.17.187 6258 CMI D2.168.17.215 6258 CMI D2.168.17.23 6258 CMI D2.168.17.127 6258 CMI	02.168.17.60 6258 CMI 02.168.17.224 8080 ONVIF 02.168.17.224 8080 ONVIF 02.168.17.182 6258 CMI 02.168.17.182 6258 CMI 02.168.17.109 6258 CMI 02.168.17.112 6258 CMI 02.168.17.112 6258 CMI 02.168.17.112 6258 CMI 02.168.17.119 6258 CMI 02.168.17.119 6258 CMI 02.168.17.119 6258 CMI 02.168.17.120 6258 CMI 02.168.17.130 6258 CMI 02.168.17.186 6258 CMI 02.168.17.186 6258 CMI 02.168.17.186 6258 CMI 02.168.17.215 6258 CMI 02.168.17.87 6258 CMI 02.168.17.87 6258 CMI 02.168.17.127 6258 CMI	ddress Port Protocol Char 02.168.17.60 6258 CMI 01 02.168.17.60 6258 CMI 02 02.168.17.182 6258 CMI 03 02.168.17.182 6258 CMI 04 02.168.17.19 6258 CMI 04 02.168.17.123 6258 CMI 05 02.168.17.134 6258 CMI 06 02.168.17.119 6258 CMI 08 02.168.17.130 6258 CMI 08 02.168.17.130 6258 CMI 09 02.168.17.186 6258 CMI 10 02.168.17.186 6258 CMI 11 02.168.17.187 6258 CMI 12 02.168.17.215 6258 CMI 11 02.168.17.27 6258 CMI 12 02.168.17.127 6258 CMI 13	D2.168.17.60 6258 CMI 01 192.168.17.51 D2.168.17.224 8080 ONVIF 02 192.168.17.51 D2.168.17.182 6258 CMI 02 192.168.17.56 D2.168.17.182 6258 CMI 03 192.168.17.53 D2.168.17.123 6258 CMI 04 192.168.17.54 D2.168.17.123 6258 CMI 05 192.168.17.55 D2.168.17.124 6258 CMI 05 192.168.17.55 D2.168.17.134 6258 CMI 06 192.168.17.170 D2.168.17.181 6258 CMI 07 192.168.17.59 D2.168.17.186 6258 CMI 192.168.17.57 D2.168.17.186 6258 CMI 192.168.17.57 D2.168.17.186 6258 CMI 192.168.17.57 D2.168.17.186 6258 CMI 192.168.17.57 D2.168.17.187 6258 CMI 192.168.17.62 D2.168.17.53 6258 CMI 11 192.168.17.62 D2.168.17.53 6258 CMI 11 192.168.1	ddress Port Protocol Char Address Port 02.168.17.60 6258 CMI 1 192.168.17.51 6258 02.168.17.224 8080 ONVIF 01 192.168.17.51 6258 02.168.17.182 6258 CMI 1 02.168.17.53 6258 02.168.17.109 6258 CMI 1 03 192.168.17.53 6258 02.168.17.123 6258 CMI 1 04 192.168.17.54 6258 02.168.17.124 6258 CMI 1 05 192.168.17.55 6258 02.168.17.134 6258 CMI 1 06 192.168.17.59 6258 02.168.17.181 6258 CMI 1 06 192.168.17.64 6258 02.168.17.181 6258 CMI 1 08 192.168.17.64 6258 02.168.17.186 6258 CMI 1 192.168.17.64 6258 02.168.17.215 6258 CMI 1 192.168.17.64 6258 02.168.17.23 6258 CMI 1	ddress Port Protocol 02.168.17.60 6258 CMI 01 192.168.17.51 6258 CMI 02.168.17.224 8080 ONVIF 02 192.168.17.51 6258 CMI 02.168.17.182 6258 CMI 03 192.168.17.53 6258 CMI 02.168.17.123 6258 CMI 04 192.168.17.55 6258 CMI 02.168.17.123 6258 CMI 1 04 192.168.17.55 6258 CMI 02.168.17.124 6258 CMI 1 04 192.168.17.55 6258 CMI 02.168.17.124 6258 CMI 1 05 192.168.17.55 6258 CMI 02.168.17.134 6258 CMI 1 06 192.168.17.59 6258 CMI 02.168.17.181 6258 CMI 1 07 192.168.17.64 6258 CMI 02.168.17.186 6258 CMI 1 09 192.168.17.57 6258 CMI 02.168.17.215 6258 CMI 1 192.168.17.6	Address Port Protocol Protocol 02.168.17.60 6258 CMI I 02.168.17.60 6258 CMI I 02.168.17.224 8080 ONVIF 02 192.168.17.51 6258 CMI admin 02.168.17.182 6258 CMI I 02 192.168.17.53 6258 CMI admin 02.168.17.123 6258 CMI I 03 192.168.17.54 6258 CMI admin 02.168.17.123 6258 CMI I 04 192.168.17.55 6258 CMI admin 02.168.17.112 6258 CMI I 05 192.168.17.55 6258 CMI admin 02.168.17.119 6258 CMI I 06 192.168.17.59 6258 CMI admin 02.168.17.181 6258 CMI I 07 192.168.17.64 6258 CMI admin 02.168.17.186 6258 CMI I 09 192.168.17.64 6258 CMI admin 02.168.17.215 <

2.5.1 Manually add IPC by CMI protocol

1> search IPC: left click the [search] button, search the available cameras in the current NVR network. The default choice for { all types }, NVR will first search available cameras in the network through the CMI protocol network , and then the ONVIF protocol can be used to search the cameras.

Description: the CMI protocol can search different networks that support CMI protocol. Using ONVIF only can search the same network segment as the NVR .If you use ONVIF to add IPC, IPC and NVR must be in the same network segment.

2> Using CMI to add IPC: in the search list double left click add the IP address, the IPC will be added to the right <IPCs has been added > list. Display 则 《 Represents a successful connection. Images can be viewed at the main interface

Description: why add, but display 🗱.



Although the CMI protocol can search different
network segments Cameras, but if you want to
successfully connect, you must ensure that the IPC and
NVR in the same segment. Need to configure the IP of
IPC. See 2.5.2 through the CMI protocol to modify the
IPC network address.

2.5.2 Through the CMI protocol to modify the IPC network address and a shortcut to add IPC

1> through the NVR to modify the IPC network address: NVR provides a convenient way to modify the IPC network address. Because the NVR search available CMI cameras within the NVR camera through the MAC address, so even if the network IPC with the same network address, you can show them all, and also one by one to manually modify or automatically assign.

2>Left-Click<Search the list of IP addresses that need to be modified , Click </br>

address for DHCP or manually.

3>one click to add: if the current NVR connection of all the IPC are the default network address, or need NVR for all the IPC network address re-distribution. You can use one click to add to avoid the tedious manual to modify the network address and manually add the action. First click on the [search] button, all the IPC will be found out, and then one click to add a button. NVR will search for all CMI camera one by one from the current segment of the IP network.

58	192.168.1	7.123	625	58 CI	MI 🔪	2
09	192.168.1	7.124	625	58 CI	MI	
	VNVIZ	Change IP	address		×	
	DHCP :					
	IP address :	192.168.1	7 .56]	
	Subnet mask :	255.255.2	55.0		1	
	Default gatewa	y: 192.168.1]	
	DNS1 address :	8.8.8.]	
	DNS2 address :				1	
	Multicast addre	ess : 239.168.1	7 .218]	
	TCP port :	6258]	
	HTTP port :	80]	
				Apply Cancel]	
12 192.1	68.17.62	6258		admin	*	
13 192.1	68.17.60	6258	CMI	admin	<	
14 192.1	68.17.87	6258	CMI	admin	~	
Manual ad	d 1-Click a	add	Edit	Delete	Delete	all

2.5.3 adding IPC through the Onvif protocol

1> search IPC: left click the [search] button, search the available cameras in current NVR network. Select {Onvif}, NVR will be able to use the ONVIF protocol and search the available cameras.

Description: ONVIF can only search IPCs that have the same segment with NVR. If you need to use ONVIF to add IPC, you need to set the network parameters of IPC or NVR, ensure that they are in the same segment.

2> Adding IPC by Onvif : inside the search list left double click to add the IP address, the IPC will be added to the right list< The added IPCs> list. Then the connection is successful. Images can be viewed at the main interface.

3>Configure ONVIF parameters of IPC: the right side <the added IPCs>Double click on the channel that need to configure, in the pop-up < edit IPC> menu, select the port, user name and password.





2.6 Channel setup

The main interface [right] [main menu] [channel settings] into the < channel Settings > interface.

	≫	1						Ô	×
	Common	IPC		Encode	Record	Event	Network	Advance	
Video PTZ	Vi	deo Settings Channel : C	hannel 1						
		OSD Title :	CH01			Video mask □ Area 1		•	
		Show Show Show Show	title encode			□ Area 2 □ Area 3 □ Area 4	Color :	•	
			Se	t OSD location			Set ma	sk area	
							Update	Apply	Quit

2.6.1 OSD settings of the NVR Channel

1>In { Channel } list, select the channel that need to modify its OSD information.	OSD
 2> Edit the title: on the right side of the soft keyboard pop-up NVR corresponding channel of IPC channel Title to do the configuration. It Supports English and Chinese. 3> time, channel title, encoding information display can be 	Title : CH01
checked or canceled by check box.	Show title
4>Select no effect of hold back of PTZ information display .5>Will pop up three options, the full screen channel, time, channel title and coding information OSD information	□ Show encode □ Show PTZ
overlay position can be dragged by the left mouse button in	
the screen.	Set OSD location
Description: NVR only supports the CMI protocol to configure OSD information of an IPC. It does not support	
OSD information of ONVIF protocol .	



2.6.2 Cclusion settings of NVR channel video

1> In the {Channel} drop-down list, select the channel that needs to be masked. A total of 4 overlapping regions are supported.

2>In the < video screen > menu, select the area, and select the appropriate color in the { color } drop-down list.
3>Left click the settings screen button, NVR will select the channel full screen display, the user through the drag to achieve specific areas of the Screen occlusion.

Description: NVR only supports the CMI protocol for IPC video occlusion configuration. If the area was not checked, set the screen area button does not play a role.

Video mask		
🗖 Area 1	Color :	•
🗖 Area 2	Color :	•
🗖 Area 3	Color :	•
🗖 Area 4	Color :	•
		Set mask area

2.6.3 set the PTZ parameters of NVR

1> left menu select [PTZ parameters]

2> select the PTZ channel you need to configure. For example, channel 1 connect Speed Dome Cameras, protocol PELCO-D, the baud rate is 1200. According to the requirements of the Speed Dome Cameras, configure the PTZ parameters. we will not give necessary details on the meaning of each PTZ parameter.

3> according to the NVR actual connection of the camera type, whether or not need to use [copy to] button. If the NVR is connected to the 16 Speed Dome Cameras, then just configure one channel then copy the configuration of the channel to the other 15 channels.

	*		Ó	2	83⊒			۲	×
01/00/011190/0119	Common	IPC Cł	annel	Encode	Record	Event	Network	Advance	<u>b</u>
Video PTZ	PTZ S	ettings							
		Channel :	Chanr	nel 1			- Cop	oy to	
		Protocol :	Pelco-	D					
		Address :							
		Baudrate :	1200						
		Databits :	5						
		Parity :	None						
		Stopbits :							
		Flowctrl :	None						
Load Channel	1 PTZ para succe	ess!					Update	Apply	Quit

2.7 Encoding settings

The main interface [right click] [main menu] [encoding settings] enter < encoding Settings > interface.

	Common IP	C Channel	Enco	de F	Record	Event	Network	X Advance
Encode Se	ettings							
	Channel :	Channel 1					- Сору	
	Stream :	1st Stream			2nd Stream			
	Codec Standard :	H.264			H.264			
	Image Size :	1920*1080			704*576(P/	AL)/704*480	(NTSC) -	
	Framerate :	30			30			
	Bitrate :	4096 📖	(0~81	92)Kbps	512		0~8192)Kbps	
	Bitrate Mode:	CBR			CBR			
	Quality :	1(Clearest)			1(Clearest)			
	Audio In :	•			•			
Load Channe	l 1 encode para succe	ss!					Update	Apply Quit
		of NVR , set a coding						
channel .	of the front camera of	the connection		Stream		1st Strea	m	
	n / sub stream: set the e secondary stream.	main stream of the		Codec	Standard :	H.264		-
3> image size:	read the current size	of the front camera, as		Image	Size :	1920*10	80	•
	upported image size.	Such as 1920x1080 on 720 on behalf of 1	l	Frame	ate :	30		-
	s. Users can choose f gure camera to supp			Bitrate		4096		(0~8192)Kbps
other cameras				Bitrate	Mode:	CBR		
	read the current frame igure the camera into	e rate of front the other frame rate.		Quality		1(Cleare	est)	•
		and CBR/VBR modes	,	Audio	(n :			
	ity can not be adjuste can be adjusted accore							
level.	-							
6> audio decod	ling: tick off the vide	o stream of the camera	ı					
to decode the a	udio.							

Note: CBR: fixed rate, in accordance with the set bit rate, ignore the complexity of the image, all in accordance with the set bit rate coding.

VBR: is a set of dynamic rate, the encoding of the video based on the rate ceiling and the level of image quality, if the image is still simple texture, then it will make out a small stream, if the image is made up of complex motion texture, then it will make out larger stream.

Description: in general, the rate of 2 million camera is set to 4M-6M, the rate of 1 million -2 million camera is set to 2M-3M, which can guarantee the quality of the coding image.

2nd Stream	
H.264	-
704*576(PAL)/704*480(NTSC)	•
30	-
512 (0~8192)k	(bps
CBR	-
1(Clearest)	•



2.8 Video settings

The main interface [right click] [main menu] [video settings] into the < Video Settings > interface.

	X 🥰	Channel	Encode	Record	Event	Network	O Advance
Record Para Record Plan	Time Settin				•	Hetwork	
	Stream Set Channel : Mainstrean Substream	All 12345					
	Record Mc Channel : A Schedule : Manual : Off :	All 123456					
						Update	Apply Quit

2.8.1 NVR Video parameter setting

 1> pre recording time setting: pre recording time can be set to 5-10S. 2> stream settings: select the video stream : the main 	Time Settings Prerec time : 55
stream / sub stream. 3> video mode: select video mode is planned / manual / stop. Can also be in the main interface, right-click menu for shortcut quick setting.	Stream Settings Channel : All 1 2 3 4 5 6 7 8 9 10 Mainstream : I I I I I I I I I I I I I I I I I I
	Record Mode Channel : All 1 2 3 4 5 6 7 8 9 1011 Schedule :

2.8.2 NVR Video program settings

1> channel selection: select the channel you need to configure the video program. Configuration of other channels can be completed through the [copy to] button.

2> working days: one week after the completion of the configuration ,you can use 【Copy to】 button, to configure the other a few days a week.

3> time segment selection: a day is divided into 4 time periods, each time period is divided into timing, alarm, mobile detection triggered video. If the timing is checked, the video is executed within the specified time. If the check is checked, the channel camera detects the start of the motion. The pre record time of movement detection is set in the last menu.
4> on Color: different video types using different color representation.

A B	
Record Para Record Plan	Record Plan
	Channel : Channel 1 - Copy to
	Weekday : Sunday - Copy to
	Segment 1 : 🛛 00:00:00 💷 🗘 23:59:59 📖 🗘 🔳 Timing 📕 Alarm 📕 Video detect 📕 Alarm&VD
	Segment 2 : 00:00:00 🕮 🗯 23:59:59 🕮 💲 🗆 Timing 🗆 Alarm 🗖 Video detect 🗖 Alarm&VD
	Segment 3 : 00:00:00 🎟 🗘 23:59:59 💷 🛟 🗆 Timing 🗖 Alarm 🗖 Video detect 🗖 Alarm&VD
	Segment 4 : 00:00:00 🕮 🗘 23:59:59 🕮 🗘 🗆 Timing 🗆 Alarm 🗆 Video detect 🗆 Alarm&VD
	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
	Timing Alarm Video detect Alarm&VD



The main interface [right click] [main menu] [event management] into the < Event Management > interface.

		Ó	>-~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ເ			ø	×
Comm	on IPC	Channel	Encode	Record		Network	Advance	
 Motion Detect Blind Detect Loss Detect Alarm Detect Net Detect 	Motion Detect Channel : Ch Enable : Sensitivity : Me	annel 1			• Cop Area settings	by to		
Oisk Detect	Detect time Weekday : ■ Segment 1 : □ Segment 3 :	Sunday 00:00:00 📖 🕻 00:00:00 📖 🕻	Copy to 23:59:59	🔲 🗘 🗆 Seg			23:59:59 📖 🕻 23:59:59 📖 🕻	
	Linkage Alarm out Record Screen hint Video tour PTZ :	Duration : 10 Duration : 30 Buzzer Enable char Channel 1 •	DS Nnnels :	Enal	ble channels : ble channels : ad I Snapshi - Li		• end email 1	
						Update	Apply Quit	t

2.9.1 Alarm linkage instructions

Alarm Description: the chapter mainly describe the NVR linkage strategy when event alarm input occurs, a variety of alarm events leads to similar linkage strategy, So in the following section we will afford giving unnecessary details on dynamic strategy significance.

- 1> Alarm output: event alarm input will trigger the NVR local alarm output, triggering the external alarm device. Alarm output maximum duration of 60 seconds after the disappearance of the dynamic test. The Specific enable channel is determined by the specific NVR model.
- 2> Linkage Video: event alarm input will trigger the NVR video, the maximum duration of 300 seconds after the disappearance of the dynamic test alarm. Specific enable channel is according to the specific NVR models to choose. 4 paths NVR only 4 channels can be configured as a dynamic test video. 16Roads NVR can have 16 channels for configuration.
- 3> The main interface displays: the main interface of the alarm pop-up dialog box prompts the alarm. The alarm needs to be canceled by the user manually.
- 4> Buzzer: Event alarm input will trigger buzzer.
- 5> Network upload: alarm upload, capture pictures and Video patrol temporarily unable to open.
- 6> photo capture:
- 7> Send E-mail: The event alarm input will trigger an e-mail to send an alarm message.
- 8> Video Patrol:

PTZ: alarm input event occurs, the linkage specific channel (provided that this channel must be connected to the dome or Cloud Terrace) of a preset or cruise. Preset position or cruising range 1-255.

Intelligent . Security	
Linkage	
🗆 Alarm out	Duration : 10S Enable channels :
Record	Duration : 30S 🔤 🗧 Enable channels : 1 -
Screen hint	🗖 Buzzer 🛛 🗖 Network upload 🗖 Snapshot 🛛 🗖 Send email
🗖 Video tour	Enable channels :
🗖 PTZ :	Channel 1 - Linking type : None - Linking index : 1

2.9.2 Description of the effective time of various alarm linkage strategy

Strategy Effective Time Description: This chapter describes the various events when the alarm input occurs, NVR various linkages strategies in this effect are same, so this section to have small introduction, will not repeat them in the follow-up sections .

Divide all the time into seven days a week. Each day is divided into four time periods. Here's an example:

1>want 24 hours a day to enable an alarm linkage strategy: first check the time period 1, will be effective from 0:00 to 24:00. And then click the [copy to] button to apply the effective time of the day to the whole week.

2>hoping that every Sunday AM 9-10 and PM1-5 to take effect this policy: first select Sunday, then check the time period 1, the effective time is selected as 09: 00-11: 00: 00. Finally, check the time period 2, the effective time is selected as 13: 00: 00-17: 00: 00.

Detect time		_		
Weekday :	Sunday 👻 Copy to			
Segment 1 :	00:00:00 🛄 🗘 23:59:59 📖	C Segment 2 :	00:00:00 🛄 🗘	23:59:59 📖 🗘
□ Segment 3 :	00:00:00 📖 🗘 23:59:59 📖	C Segment 4 :	00:00:00 🛄 🗘	23:59:59 📖 🗘

2.9.3 Motion Detection Linkage

Motion detection linkage: The NVR configure the camera, in the image of a delineated area, when there is a change in the camera image detection area (support internal algorithms to determine whether the object is moving), will output alarm signal. Can be used to linkage video, alarm, capture and other actions.

- 1> Channel: Select the channel to configure motion detection. The number of channels corresponds to the maximum number of access routes of the NVR.
- 2> Enable: Tick Enable check box.
- $3\!\!>$ Sensitivity: based on actual test results to adjust $\;$, default medium.

4> Regional Settings: Click the regional settings will pop up a full screen of the current selected channel, provide a drag box for motion detection area.

Ø Motion Detect	
Blind Detect	Motion Detect Settings
🕲 Loss Detect	Channel : Channel 1 Copy to
Alarm Detect	Enable :
🕲 Net Detect	Sensitivity : Medium Sensitive - Area settings
Disk Detect	

2.9.4 Occlusion detection linkage

Occlusion detection linkage: Enable this feature, the camera changes according to the image, when the camera is blocked,

will output Occlusion alarm signal. Can be used as linkage video, alarm, capture and other actions.

1>Channel: Select the desired configuration occlusion detection channel. The number of channels corresponds to the

maximum number of access routes of the NVR.

2>Enable: Select the check box to enable.

3>Sensitivity: According to the actual test results to adjust, the default medium.

 Motion Detect Blind Detect Loss Detect 	Blind Detect Settings Channel : Channel 1 Copy to
Alarm Detect	Enable : 🗖
Net Detect	Sensitivity : Medium Sensitive
© Disk Detect	Most Sensitive High Sensitive
	Detect time Medium Sensitive
	Weekday : Low Sensitive

2.9.5 Video loss linkage

Video Loss Linkage	: When this feature is enabled, the NVR will accept a video loss alarm from the front-end camera. In the				
case where the front-	case where the front-end camera remains connected to the network. If the camera is abnormal. It will cause camera stop				
recording then an ala	rm will be generated.				
1>Channel: The vid	eo loss detection channel needs to be enabled. The number of channels corresponds to the maximum				
number of access ro	utes of the NVR.				
2>Enable: Select the	e check box to enable.				
Motion Detect					
Blind Detect	Loss Detect Settings				
Oss Detect	Channel : Channel 1 Copy to				
Alarm Detect	Enable :				
Net Detect					
Oisk Detect					

2.9.6 Alarm input linkage

Alarm input Linkage: open this function, NVR will detect local alarm inputs and remote cameras alarm input. If the alarm input is detected, the relevant action will be interlocked.

1>Channel: divided into local channel and remote channel. The local channel is an alarm input supported by the NVR hardware, different numbers of alarm inputs or no alarm input depending on the NVR model,. Remote channel refers to the alarm input supported by remote IPC hardware, remote IPC alarm input will be triggered by the network to notify the NVR to achieve linkage. According to the NVR model has a different number of remote channels. For example, 16-channel NVR has 16 remote alarm inputs.

2>Enable: Select the check box to enable.

3>Type: Normally open refers to the hardware on the alarm input is received open or high voltage, does not generate an alarm, otherwise will generate an alarm. Normally closed refers to the hardware on the alarm input to receive a closed-circuit or high? An alarm will be generated, otherwise, an alarm will not be generated.

ANVIZ [®] Intelligent. Security	
 Motion Detect Blind Detect Loss Detect Alarm Detect 	Alarm Detect Settings Channel: Local channel 1 Copy to Enable :
 Net Detect Disk Detect 	Type : Normally open - Normally open - Normally close

2.9.7 Network Abnormal Linkage

Network Abnormal Linkage: Provides an alarm when the network is abnormal. Such as NVR network port loose lead to network disconnection.

Motion Detect	
Blind Detect	Net Detect Settings
Loss Detect	Enable : 🔳
Alarm Detect	
Intersect Intersect Intersect Intersect	
Disk Detect	

2.9.8 Hard disk abnormal linkage

Hard disk abnormal linkage:

1>Disk less alarm: after power on If you do not detect the hard disk or is working to detect hard disk ,the loss of the hard disk will produce this alarm

2>Hard Disk Error: This alarm is generated when the hard disk is present but unable to read and write it properly

3>Hard disk full: When the recording mode is not set to cycle coverage, The video will lead to the depletion of disk capacity to stop recording, and generate this alarm.

Motion Detect Blind Detect	Disk Detect Settings			
Loss Detect	Enable : 🗧 No disk	Disk error	Disk full	
Alarm Detect				
Net Detect				
Oisk Detect				



2.10 Network settings

	mon IPC	Channel Enco	de Record	Event N	etwork	× Ô Advance
 Basic PPPOE NTP Email 		Work mode : Mul	tiple-Address - D	efault : Lan0		
 DDNS GB/T28181 Cloud Server 		Subnet mask : Default gateway : DNS1 address :	Lan0 • 192.168.3 .4 255.255.255.0 192.168.3 .1 192.168.3 .1 114.114.114.114	DHCP		
		Multicast address TCP port : HTTP port :	239.168.80 .219 6258 80			
					Update	Apply Quit

2.10.1 Basic network settings

1> work mode: Some NVR models have 2 network ports , so in the work mode select Multi-site mode, the default network port LAN0.

Multi-site: two network card parameters independent of each other, work with each other, select the 'network port' LAN0 and LAN1respectively for settings. You can select one as the default.

2> Configure basic network information: Select the corresponding network interface. Some models have two network ports NVR, you need to set them separately. Select it In the {Network Port Selection} list.

Description: IP address, the default gateway needs the same network segment.

Standby:

Load balancing:

Rotation:

 Basic PPPOE NTP Email 	Work mode : Multiple-Address - Default : Lan0 - Lan0 Lan0 Lan1	
© DDNS © GB/T28181 © Cloud Server	Interface : Lan0 ■ DHCP IP address : 192.168.3 .4	
Scioua Server	Subnet mask : 255.255.255.0	
	Default gateway : 192.168.3 .1	
	DNS1 address : 192.168.3 .1	
	DNS2 address : 114.114.114	
	Multicast address : 239.168.80 .219	
	TCP port : 6258	
	HTTP port : 80	
Basic		
PPPOENTP	Work mode : Multiple-Address - Default : Lan0 - Multiple-Address	
🕲 Email	Active-Backup Load-Balance	
DDNS	Interface : Round-Robin	

2.10.2 PPPOE Settings

2.10.3 NTP Settings

Enable NTP,to ensure the accuracy of the system time through periodic timing of NTP server .

1> Enable: Check the box to enable this feature.

2> NTP server address: use the default server. You can also select other listed servers.

3> Interval: Set how long the NVR will synchronize with the server.

Note: You must ensure that the NVR can be connected to the Internet to use the NTP function. If you can not connect to

the Internet, set the network parameters in [Network Settings] - [Basic Settings] correctly, or contact the administrator to set up an NTP server within the LAN.

Intelligent. Security			
BasicPPPOE	NTP Settings		
NTP	Enable :		
🕲 Email	NTP Server :	pool.ntp.org	
🕏 DDNS			
© GB/T28181	Interval :	6Hour	•
Cloud Server			

2.10.4 Email Settings

Enable Email, when an alarm is generated, it can send a message to the specified mailbox .

1> Enable: Check the box to enable this feature.

2> Enable SSL: If SSL is enabled, fill the SMTP port with 465. If SSL is not enabled, ill the SMTP port with 25.

3> User Name / Password: Enter the user name and password of the sender's mailbox.

4> SMTP Server Address: Enter the sender's SMTP server address.

Note: To achieve this function, you must ensure that the dynamic measurement or occlusion have linkage EMAIL. And

NVR can be connected to the Internet.

Basic PPPOE	Email Settings		
© NTP	Enable	□ Enable SSL	
 Ø DDNS Ø GB/T28181 	Sender :	sender@somecompany.com	
Cloud Server	Receiver :	reciver@somecompany.com	
	SMTP server :	mail.somecompany.com	
	SMTP port : Username :	25 🔳	
	Password :	*****	
	i ussiiotu .		•
		Send test mai	
		Send test man	1

2.10.5 DDNS Settings

DDNS Parameters: In the public network environment, use DDNS (Dynamic DNS) to access NVR via domain name, can effectively solve the current problem of dynamic IP to access the NVR.

1> Enable: Check the box to enable this feature.

2> Type: Provides 3322 or dyndns for selection.

3> Domain Name: Please enter the dynamic domain name registered on http://www.pubyun.com/ or dyndns website.

4> User Name / Password: Enter the user name and password set when registering.

¹⁰Note: You must ensure that the NVR is connected to the Internet.

Intelligent . Security			
Basic Basic Control Contro Control Control Control Con			
PPPOE	DDNS Settings		
NTP	Enable :		
🕲 Email	Tupo	3322 -	
ODNS	Type :	5522	
© GB/T28181	Domain :		
© Cloud Server			
	Username :		
	Password :		

2.10.6 GB/T28181 Settings

VUVIS

GB / T28181-2011 "security video surveillance network system information transmission, switching, control technology requirements" was proposed by the Ministry of Science and Technology Information Bureau, by the National Security Alarm System Standardization Technical Committee (SAC / TC100) centralized, Ministry of Public Security Such a number of units with the drafting of a national standard.

1> Register / Log off: Select whether you want to register the device or log out of the device.

- 2> Server IP / Port: Enter the server IP and port to be registered / logged out.
- 3> Password: register / log off the server password you need to use.

Registered ID/ local ID: to apply in the standard management department.

● 基本设置 ● PPPOE设置	GB/T28181设置		
 NTP设置 Email设置 	□ 注册	■ 注销	
 DDNS设置 GB/T28181设置 	服务器IP:		
② 云服务设置	端口:	0	
	密码 : 注册ID :		
	, <u></u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

2.10.7 Cloud Services Settings

Cloud services are the local settings needed to cooperate with mobile APP to access NVR.

1> Enable: Check the box to enable this feature.

 $2\!\!>\!\text{UID}$: The unique service identifier of the machine on the cloud server.

Server Address: The name of the server providing the cloud service.

Basic PPPOE	Cloud Services Settings	
NTP	Enable :	
Email DDNS	UID :	STZRM4R8K8ARC83M111A
 GB/T28181 Cloud Server 	Server address :	:p://device.service.u-tec.com/index.php



2.11 Advanced settings

	×		Ó	<u>}</u>				Ø	×
a na segura da segura	Common	IPC	Channel	Encode	Record	Event	Network	Advance	
SerialPort VideoOut	Seri	ialPort Settin	g						
 Alarm Out DiskManage 		SerialPort :	COM1					Copy to	
 Ø UserManage Ø AutoMainter Ø Default 		Baudrate :	9600						
		Databits :	8						
		Parity :	no						
		Stopbits :							
		Flowctrl :	none						
							Update	Apply	Quit

2.11.1 Serial Port Settings

1> Depending on the NVR model, some NVRs do not have a serial port, then this option can not be selected.
2> How to configure the specific parameters of the serial port Please contact the project management personnel to confirm.
Image: Confirm the select of the serial to confirm the select of the series of the serie

2.11.2 Video output

- 1> Video output resolution: drop-down list to select the appropriate resolution
- 2> Polling parameters: Tick Enable check box to enable polling. Set the polling related parameters here. Check the [Preview] button in the [Main Interface] menu, then the NVR will perform the polling operation according to the rules set by the round-up menu.
- 3> Polling interval: Sets the polling interval. After the setting, the screen will display each channel in turn according to the set time.
- 4> Current Split: Can be set to single screen / 4 screen / 6 screen, and so on.
- 5> Split Index: Select which frames participate in the poll. For example, in a single screen round patrol, you can choose to participate in round-1-15 round patrol. In the four-screen round patrol, you can choose to participate in 1-4, 9-12 round patrol.

Intelligent . Security						
SerialPort Image: Serial Port Image: Serial Port	Video					
Alarm Out		CVBS Standard :		PAL		
DiskManage UserManage		VideoOut Resolu	ition :	1920X1080@60HZ 1920X1080@60HZ	•	
AutoMaintenance Default				1920X1080@50HZ 1280X720@60HZ		
e Delault	Split Cruise	Enable :		1280X720@50HZ 1280X1024@60HZ 1024X768@60HZ		
		Time interval :	10S			
		Current split :	Curren	nt split		
		Split index :	1-16,17	7-32		

2.11.3 Alarm output

/VVIS

- 1> Channel: Select the alarm output channel to be set, and then click the [Copy To] button to copy the settings to the corresponding channel.
- 2> Type: normally open alarm output is an open circuit or high voltage, normally closed refers to the hardware alarm output is closed circuit or low voltage.

SerialPort	
VideoOut	Alarm Out Settings
Alarm Out	
OiskManage	Channel : Local channel 1 Copy to
OserManage	
AutoMaintenance	Type : Normally open
🕲 Default	Normally close

2.11.4 hard disk management

- 1> full disk operation: after checking the automatic coverage . If the hard disk is full, it will be overwritten.
- 2> Disk pack: a total of 32 channels, 8 discs are available for selection. The different channels are grouped into different hard disk recording, video reliability is conductive, and conducive to the provision of equipment performance.

3>hard disk list: shows the current device is recognized to the hard disk.

Description: the Unused hard disk needs to be formatted first.

 SerialPort VideoOut Alarm Out DiskManage UserManage AutoMaintenance 	Disk Para Disk Full Operation: Auto Overwrite Stop Record Channel: 1 2 3 4 5 6 7 8 9 1011121314151617181920212223242526272829303132 Disk Group: 1 1
🕲 Default	Disk Table Port Status Total Size Used Size Start Time End Time

2.11.5 User Management

1>In this menu you	can modify add a login account.
2>Permissions settin	ngs: you can set the preview and configuration permissions for NVR. Default admin is administrator
privileges	
SerialPort VideoOut	User List : admin - add user delete user
Alarm Out	Username : admin 🔤 Password : *****
 DiskManage UserManage 	Privilege Setting Local Preview Privilege :
AutoMaintenance	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32 -
Oefault	Remote Preview Privilege :
	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32 -
	Local Playback Privilege :
	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32 -
	Remote Playback Privilege :
	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32 -
	Other Privilege :
	Channel Set Encode Set Record Set Event Set Network Set Serial Set
	IA Set Reset Factory Common Set Storage Mana: System Upgrat System Power
	PTZ Control Log Search User Manage Remote Talk

2.11.6 Automatic maintenance

1> Open: Enable Auto Maintenance		
2> Select Auto Reboot time: optional week and specific reboot time		
ੰ© SerialPort ∕© VideoOut	AutoMaintenance	
 Ø Alarm Out Ø DiskManage Ø UserManage 	□ Open	
OutoMaintenance Output	Choose automatic restart time : Sunday - Hour : 01:00:00 -	

2.11.7 Default parameters
VUVIS	
Intelligent . Security	

1>The content of this page is used to select the restore full function or part of the function to the factory settings.

2>The default factory IP of the device: 192.168.100.2193>Default account / password: admin / admin

•				
SerialPortVideoOut	Reset Default			
 Alarm Out DiskManage 	🗖 All	Common	🗆 Channel	
UserManage AutoMaintenance	🗆 Encode	Recorder	Event	
 Default 	Network	□ SerialPort	□ VideoOut	
	Storage	🗆 User Mgnt	🗖 Alarm Out	

2.12 Video playback



The upper right corner of the interface, search box introduction 1> Start Time / End Time: Select the start and end time, you can select the date by the mouse wheel selection, you can manually enter through the soft keyboard. Start time : 2016-10-08 00:00:00 2> Channel: Select the recording channel that need to be queried. End time : 2016-10-11 00:00:00 3> Recording Type: Select the recording type to be queried, namely manual recording, scheduled Channel : 1-2-3-4 recording, dynamic recording and alarm recording. General Click on All Types to search for all types of All type Rec type : Search videos on the timeline. Different types of videos are displayed in different colors.

Introduction to the timeline below the interface
1> Play the video.
2>: Stop recording play.
3> : To play slowly, you can switch between 1/2, 1/4, 1/8 by clicking several times.
4> . Accelerated playback, multiple clicks can be switched between x2, x4, x8.
5> Frame-by-frame playback. Before clicking the frame-by-frame, you need to pause the recording by clicking the
Pause button.
6> - Forward and backward. Control video playback forward or reverse play.
= 24-hour + : Used to select the time unit, 1 hour / 4 hours / 6 hours / 8 hours / 12 hours / 24 hours. In the 1 hour unit, there is
a minimum time interval, used to carefully view the minute level of video. Pressing "-" and "+" can be used to select various
time units.

0	0		G	Stopped	Þ			•			
▲ 00	01	02	03	. 04	05	06	07	08	09	10	11
▲ 01 02	10-08 00:0	0:00									
Interval :	— 24-hoi	ur +	Prev Ne	ext							

2.13 Video backup



backup process.

2.14 Maintenance	information
about	
 System information include date. 	es the product model, serial number, system software version number and software release
2> Insert the USB flash drive v file to upgrade. Click 【OK】 to complet	with the upgrade file. Click [Upgrade] button. In the pop-up menu, select the correct upgrade e the upgrade.
٨	B flash drive or shut down the device during the upgrade process. Doing so will cause the
	× System Info About
System Information	
Model :	NES127-8
Serial number :	6030100116220001
Version :	V2.41
Release date :	Aug 29 2016 18:19:50
System Upgrade	
Please insert the usb flash d	ive, Don't power off when in the upgrade process!
Upgrade	
	Quit

View the device operation log

1> Select the time period for which you want to query the log, and click Search.

2> The device operation log is displayed.

3> Backup Log: Click [Backup] button, select the appropriate path in the external USB disk, NVR will be in the specified directory backup TXT format log files.

NVIZ	z' 🦉	Log System 1	info About	
Star	t time :	2016-10-10		
End	time :	2016-10-10	23:59:59	
Log	type :	All type	- Search	(Backup)
ID			currence time	Detailed information
1	adn		-10-10 09:18:41	User[admin] remote login
2	adn		-10-10 09:25:59	User[admin] local login
3	adn	nin 2016	-10-10 09:35:46	User[admin] local logout
4	ro	ot 2016	-10-10 09:44:09	Power on
	adn	nin 2016	-10-10 09:44:11	User[admin] remote login
6	adr	nin 2016	-10-10 09:44:17	User[admin] remote login
7	adn	nin 2016	-10-10 09:44:17	User[admin] remote login
8		2016	-10-10 09:44:31	Channel1 start i/o alarm
		2016	-10-10 09:44:33	Ip address conflict
10		2016	-10-10 09:44:41	Network disconnection
Page:1	. / Total Pag	e:2		📢 🖌 🕨 Goto P1 🔤 🕻
				Qui

System Information

1> Green represents the current access traffic of the NVR. Red represents the forwarding traffic of the current NVR.

2> Blue represents the current CPU usage of the NVR. Yellow represents the forwarding traffic of the current NVR

ANote: Depending on the model, the NVR restricts the access forwarding traffic. Be sure not to exceed the nominal traffic of



2.15 Setup Wizard

Intelligent.Security	Anviz'	Intelligent .Security	2016-09-16 07:51:51
÷	÷	÷	Đ
CH17	CH18	CH19	CH20
Intelligent . Socurity		Intelligent . Socurity	
C	C	C	C
Indigent.Security	Intelligent. Security	Predigent.Security	Intelligent . Society
	CH26		CH28
Undelignert. Jacurety	Setup wizard window	Intelligent . Security	CH32

Common settings and device list

- 1> Common settings: can be used frequently to set the customer. Language, resolution, time zone, date format, date, time, NTP. The setting method is the same as in the main menu.
- 2> Device list: Click the Search button to search for devices on the network. The Device List lists the currently added IPCs.
- 3> Check the "Show on start up" item to automatically display the setup wizard.

	Setup Wizard		×
General Configuration			
Language:	简体中文		
Display:	1920X1080@60HZ		
Time Zone:	GMT+0:00		
Date Format:	YY/MM/DD		
Date:	2016-09-16	 ‡	
Time:	07:37:30	 ‡	
NTP:	cn.pool.ntp.org	Sync	
Display with when bo	oting up	Next>	Exit



Account settings and mobile remote preview		
1> Account settings: You can change the current password,	NNVIZ ' Se	etup Wizard X
2> to disable the 'enable password' option, each boot,		
enter the system does not require a password, please	Account Configuration	
choose carefully.		
Mobile phone remote preview: use the phone to scan the	User Name: a	admin 📖
left side of the two-dimensional code then install to	Password: *	****
customer phone 'Remote Preview APP'; use the phone to	Confirm Password:	****
scan the right two-dimensional code for the customer to	-	Enable Password
add local mobile phone.	•	
Note: Each product is only a unique ID, other mobile phone if you need remote browsing, please first delete the		
product on a mobile phone.	Display with when booting	g up <back next=""> Exit</back>
		etup Wizard X
	View remote via Mobile	
	Step1. Connect Anv	
	Step2. Scan this QR code,	press "+"
	Install Anviz App and register User	scan this UID and add device
		e de la companya de l
	Display with when booting	g up <back exit<="" finish="" td=""></back>

Technical Support

3.1 Frequently Asked Questions

3.1.1 CMI can find the camera, but can not preview the image after adding it

Serial	Possible causes / solutions
number	
1	Check whether the NVR is on the same network segment as the IPC. Even if the NVR and IPC are not on the same network segment, you can also search IPC. But there is no way to preview the image after adding. You
	need to use the NVR to modify the address of the IPC, or modify the NVR's IP address to achieve the same network segment.
2	IPC has exceeded its maximum number of connections, there is no way for NVR to get the stream from the IPC . Please refer to the IPC manual to confirm the current number of IPC connections.

3.1.2 ONVIF can find out the camera, but after adding the camera can not preview images

Serial	Possible causes / solutions
number	
1	You can find out ONVIF camera, this means NVR and IPC network segments have no problem. The possible
	reason is a wrong ONVIF account, wrong password, and port. Please check the right information of IPC.
2	Since the manufacturers of the camera are different, so please confirm that the IPC is in NVR ONVIF
	support list. if not in the list and the connection is unsuccessful , please contact our technical support for help

3.1.3 Can not recognize the mobile memory during back up process

Serial	Possible causes / solutions
number	
1	Memory may be just bought. Need to perform initialization on the PC, and format it.

3.1.4 Identify mobile memory capacity errors during backing up

Serial number	Possible causes / solutions	
1 Memory of the file system does not match the NVR, please use the NVR to format the memory, you		
	identify the correct capacity.	

3.1.5 Why can not find out an earlier video file

Serial	Possible causes / solutions	
number		
1	Please make sure the hard drive is large enough. NVR default will cover ethe hard disk video loop, so if the	
	time is too long, the early videos will be covered.	

device , how to deal with this		
Serial	may cause / solution	
number		
1	1 equipment curing procedure is damaged, please contact our technical support ask for equipment replacement.	

3.1.6 In the process of upgrading, unplug the memory or restart the device can not boot the device ,how to deal with this

3.2 Hard disk space consumption

A list of storage space occupied by single channel code

Resolution / stream size	time	occupied space			
1080P/4M	1 hour	1.75G			
1080P/4M	1 day	42.2G			
1080P/4M	1 week	295.4G			
1080P/4M	1 month	1266G			
720P/2M	1 hour	0.875G			
720P/2M	1day	21.2G			
720P/2M	1 week	147.7G			
720P/2M	1 month	633G			
NVR access to the 32 channel 720P/2M code stream, stored for 1 weeks requires 4.6T hard disk space					
NVR access to the 4 channel 720P/2M code stream, storage for 1 weeks require 576G hard disk space					