

# **H.264 Network DVR**

## **Quick Start**

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### **GUI Display with USB Mouse Control**

Please read instructions thoroughly before operation and retain it for future reference.

For the actual display & operation, please refer to your DVR in hand.

# 1. GUI DISPLAY WITH USB MOUSE CONTROL

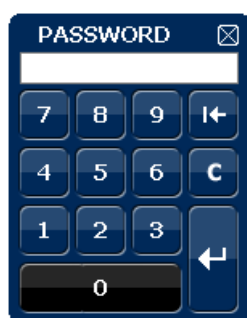
## 1.1 Connect USB Mouse

Connect your USB mouse to one of the USB ports on the DVR front panel, and check if there's a mouse icon (🖱️) on the screen, indicating the USB mouse is detected properly.

Move your mouse to enter the DVR password with the password keypad. The default administrator password is **0000**. The status will be changed from 🔒 (key lock) to 🗝️ (administrator), and the quick menu bar appears on the left side of the screen.

**Note:** There are two user levels for DVR access which can be set in the main menu "SYSTEM" → "TOOLS". For details, please refer to your user manual.

### Password Input



### Quick Menu: Close




## 1.2 Quick Menu Bar




Move to the arrow mark to extend the quick menu bar and show the five functions as follows:

### Quick Menu: Open






-  Click to show the channel switch panel and select the channel you want. For details, please refer to "3.2 Quick Menu Bar" in the user manual.


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-  Click to display the playback control panel, and click  to play the latest recorded video clip, or click  to enter the search list.


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-  Switch to the channel you want first, and click  to enter the zoom-in mode. In this mode, click and drag the red frame on the bottom left of the screen to move to the place you want to see. To exit this mode, click .

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-  Click to select the audio channel you want:  
In the live mode, only the live audio channels can be selected.  
In the playback mode, live and playback audio channels can be selected.

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-  Click to enter the PTZ mode and show the PTZ camera control panel.

## 1.3 Main Menu


Right-click anywhere on the screen to show the main menu as follows, and right-click again to exit.

### Main Menu




-  **QUICK START** Click to set the status display, image settings, and date & time.


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-  **DATE SETUP** Click to set the date display and daylight saving.


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-  **SYSTEM** Click to set the system configurations.


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-  **EVENT INFORMATION** Click to enter the event search menu.







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-  **ADVANCE CONFIG** Click to set CAMERA, DETECTION, ALERT, NETWORK, SNTP, DISPLAY, RECORD and REMOTE.

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-  **SCHEDULE SETTING** Click to set record timer and detection timer.






# Main Menu Structure

	QUICK START	GENERAL	CHANNEL TITLE
			EVENT STATUS
			DATE DISPLAY
			IMAGE SIZE
			QUALITY
			IMAGE PER SECOND
		TIME SETUP	DATE
			TIME
	DATE SETUP	DATE INFO	DISPLAY DATE OF MODE
			FORMAT
		DAYLIGHT	DAYLIGHT SAVING
	SYSTEM	TOOLS	LANGUAGE
			ADMIN PASSWORD
			OPERATOR PASSWORD
			UPGRADE
			BACKUP
		SYSTEM INFO	BAUD RATE
			HOST ID
			R.E.T.R.
			AUTO KEY LOCK
			CLEAR HDD
			RESET DEFAULT
			REMOTE CONTROL ID
			SERIAL TYPE
	VIDEO FORMAT		
	VERSION		
	EVENT INFORMATION	QUICK SEARCH	
		EVENT SEARCH	
		HDD INFO	
		EVENT LOG	
	ADVANCE CONFIG	CAMERA	BRIGHTNESS
			CONTRAST
			SATURATION
			HUE
			COV.
			REC
		DETECTION	CHANNEL TITLE
			LS
			SS
			TS
			DET
			ALARM
		ALERT	AREA
			EXT. ALERT
			INT. BUZZER
			KEY BUZZER
			VLOSS BUZZER
			MOTION BUZZER
		NETWORK	ALARM BUZZER
			HDD BUZZER
ALARM DURATION (SEC)			
HDD NEARLY FULL (GB)			
SNTTP			
GMT			
DISPLAY	NTP SERVER		
	SYNC PERIOD		
	SCREEN DWELL DURATION		
	VGA OUTPUT		
	DISPLAY COVERT		
	HDD DISPLAY MODE		
RECORD	DISPLAY OUTPUT PATH		
	ALPHA BLENDING		
	MANUAL RECORD ENABLE		
	EVENT RECORD ENABLE		
	TIMER RECORD ENABLE		
	EVENT RECORD IPS		
	TIMER RECORD IPS		
	PRE-ALARM RECORD		
OVERWRITE			
REMOTE	EVENT RECORD ALL CHANNEL		
	KEEP DATA LIMIT (DAYS)		
	SCHEDULE SETTING	RECORD	
		DETECTION	

## 2. FRONT AND REAR PANELS

### 2.1 Front Panel

1) LED Indicators

-  DVR is powered on.
-  HDD is reading or recording.
-  An alarm is triggered.
-  Timer recording is on.
-  Under playback status.

2) CH1 ~ 4

Press the channel number buttons to select the channel to display.

3) SLOW

Under the playback mode, press to show slow playback.

4) ZOOM

Press to enlarge the picture of selected channel in the FRAME or FIELD recording mode.

5) 

Press to show the 4 channel display mode.

6) SEQ

Press to display each channel in full screen one by one starting from CH1. When the last channel is displayed, it will repeat from CH1 again. To exit this mode, press “SEQ” again.

7) LIST (Event List Search)

Press to quickly search the recorded files by four event lists: RECORD LIST / MOTION LIST / ALARM LIST / TIMER LIST, or select FULL LIST to show all the event logs.

To quickly search the time you want, select “QUICK SEARCH”. For details, please refer to “5.4.1 QUICK SEARCH” in the user manual.

8) SEARCH

Press to enter the time search menu. For details, please refer to “5.4.1 QUICK SEARCH” in the user manual.

9) MENU

Press “MENU” to enter the main menu.

10) ENTER

Press “ENTER” to confirm the setting.

11)  (PLAY)

Press to playback the latest recorded data.

12) II (▲) / ■ (▼) / ◀ (◀) / ▶ (▶)

Press ▲ / ▼ / ◀ / ▶ to move up / down / left / right.

Under the playback mode:

Press “II” to pause playback.


Press “■” to stop playback.


Press “▶▶” to fast forward.

Press “◀◀” to fast rewind.


13) AUDIO (SLOW + ZOOM)


Press “SLOW” + “ZOOM” to select live or playback audio from audio channel 1~4.


 Live audio from audio channel 1~4 (indicated in white).

 Playback audio from audio channel 1~4 (indicated in yellow).

 Audio channel unselected

14) P.T.Z. (  + SEQ)

Press “” + “SEQ” at the same time to enter / exit the PTZ control mode.

15) 

Press “” to open / close the DVD Writer.

16) USB port

There are two USB ports on the front panel, one for connecting your USB mouse for mouse control, and the other one for connecting your USB flash drive for video backup.

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**Note:** It's not allowed to have two USB mice or two USB flash drives connected on the front panel.

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For the compatible USB flash drive list, please refer to “APPENDIX 3” in the user manual.

## 2.2 Rear Panel

1) VIDEO IN (1 ~ 4): Connect to the video connector of a camera.

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**Note:** The DVR will automatically detect the video system of the camera, please make sure that the cameras are properly connected to the DVR and power-supplied before the DVR is turned on.

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2) AUDIO IN (1~4)

Connect to the audio connector of a camera if the camera supports audio recording.

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**Note:** To make a video backup with audio, make sure the camera which supports the audio function is connected to the video-in channel and audio-in channel. For example, the audio data from audio CH1 will be recorded with the video data from video CH1.

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3) AUDIO OUT

Connect to a speaker with 1 mono audio output.

4) MONITOR

Connect to a CRT monitor for video output.

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**Note:** When both MONITOR and VGA are connected, press the left key ◀ on the DVR front panel during DVR power-on to force the video output via MONITOR. For details, please refer to “3.5 Video Output Switch”.

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5) CALL

Connect to a call monitor.

6) VGA

Connect to a LCD monitor directly.

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**Note:** When both MONITOR and VGA are connected, press the right key ▶ on the DVR front panel during DVR power-on to force the video output via VGA. For details, please refer to “3.5 Video Output Switch”.

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7) IR

Connect the IR receiver extension line for remote control.

8) EXTERNAL I/O

Insert the supplied 9 PIN DSUB to this port for connecting external devices (external alarm, etc). For detailed I/O port PIN configuration, please refer to “APPENDIX 2” in your user manual.

9) LAN

Connect to Internet by LAN cable.

10) DC 19V

Connect to the supplied adapter.

11)  Power Switch

Switch to “I” to turn on the power, and “O” to turn off the power.

# 3. BASIC OPERATION

## 3.1 Live Page



Icon	Function	Icon	Function	Icon	Function
	Live audio channel (1~4)		Playback audio channel (1~4)		Audio channel off
	Digital zoom on		Digital zoom off		Timer recording
	Network disconnected		Internet connected		LAN connected
	USB mouse connected		USB flash drive / device connected		HDD overwrite
	Key lock		PTZ mode on		Sequence
	Administrator		Operator		Motion
	Recording		Alarm		R.E.T.R. ON

## 3.2 Record Icon

### 1) Manual Recording

By defaults, manual recording is on () when the DVR is powered on and a HDD is installed.

### 2) Event Recording

When the motion detection or alarm is on, the motion icon () or alarm icon () shows on the screen for any motion or alarm event.

### 3) Timer Recording

When timer recording is on, you will see "" on the screen.

### 4) HDD Overwritten

Be defaults, the HDD overwritten function is set to ON, and "" will be shown on the screen.

## 3.3 Playback









Click "" on the quick menu bar to display the playback control panel, and click to play the latest recorded video clip, or click to enter the search list.




**Note:** There must be at least 8192 images of recorded data for playback to work properly. If not, the device will stop playback. For example, if the IPS is set to 30, the recording time should be at least 273 seconds (8192 images / 30 IPS) for the playback to work properly.

**Note:** During playback, the image size of the recording (FRAME, FIELD or CIF) will be shown on the screen.

## Playback Control


	Fast Forward	Increase the speed for fast forward. Click once to get 4X speed forward and click twice to get 8X speed, etc., and the maximum speed is 32X.
	Fast Rewind	Increase the speed for fast rewind. Click once to get 4X speed rewind and click twice to get 8X speed, etc., and the maximum speed is 32X.
	Play / Pause	Click to play the latest recorded video clip immediately, and click again to pause. In the pause mode, click  once to get one frame forward, and click  to get one frame rewind.
	Stop	Click to stop the video playback.
	Slow Playback	Click once to get 1/4X speed playback, and click twice to get 1/8X speed playback.
	Previous / Next Hour	Click to jump to the next / previous time interval in an hour, for example, 11:00 ~ 12:00 or 14:00 ~ 15:00, and start playing the earliest event video clip recorded during this whole hour.




## Event Search

Click  to quickly search the recorded files by four event lists: RECORD LIST / MOTION LIST / ALARM LIST / TIMER LIST, or select FULL LIST to show all the event logs.

To quickly search the time you want, select "QUICK SEARCH". For details, please refer to "5.4.1 QUICK SEARCH" in the user manual.




## Audio Playback


In the playback mode, click  on the quick menu bar as many times as needed to select live or playback audio from audio channel 1~4.


 Live audio from audio channel 1~4 (indicated in white).  Playback audio from audio channel 1~4 (indicated in yellow).  Audio channel unselected

**Note:** To make a video backup with audio, make sure the camera which supports the audio function is connected to the video-in channel and audio-in channel. For example, the audio data from audio CH1 will be recorded with the video data from video CH1.

## 3.4 User Level Switch

In the key lock mode () , move your USB mouse to display the password input keypad. There are two user levels for accessing the DVR: Administrator () & Operator () .

When the administrator password is entered,  will be shown on the status bar of the screen and all operations are allowed. The default administrator password is 0000.

When the operator password is entered,  will be shown on the status bar of the screen, and the main menu is **NOT** allowed to access. The operator user level needs to be set in the main menu "SYSTEM" → "TOOLS".

To switch between these two user levels, click the current user level icon to switch to the key lock mode, and move your mouse to show the password input keypad, and enter the password of the user level you want.

### 3.5 Video Output Switch

It's not allowed to have video output simultaneously on a CRT monitor (connected to MONITOR) and LCD monitor (connected to VGA).

The default video output setting is "AUTO", meaning the DVR will automatically detect the video output source. When VGA and MONITOR are both connected, the default monitor output is VGA.

To change the video output setting manually:

- To force the video output via MONITOR, press the left key ◀ on the DVR front panel at DVR power-on.
- To force the video output via VGA, press the right key ▶ on the DVR front panel at DVR power-on.

The setting is changed when you hear a short beep sound.

OR:

When the DVR is powered on and initialized, right-click to show the main menu, and select "ADVANCE CONFIG" → "DISPLAY" → "DISPLAY OUTPUT PATH".

Select "VGA" to switch to the connected LCD monitor, or "COMPOSITE" to switch to the connected CRT monitor. The DVR will then reboot for the change to take effect.

ADVANCE CONFIG		
CAMERA	SCREEN DWELL DURATION	03
DETECTION	VGA OUTPUT	1024 X 768
ALERT	DISPLAY COVERT	ON
NETWORK	HDD DISPLAY MODE	HDD SIZE
Sntp	DISPLAY OUTPUT PATH	AUTO
<b>DISPLAY</b>	ALPHA BLENDING	200
RECORD		
REMOTE		
DCCS		
EDIT		