

H.264 Network DVR

Quick Start

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

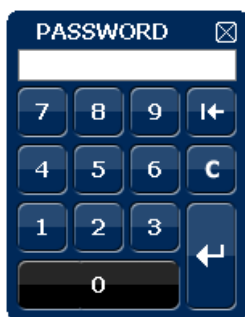
1.1 Connect USB Mouse

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.

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

-  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 .

-  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.

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


-  Click to show the power off panel to either halt or reboot the system.


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.

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







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

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

-  **ADVANCED CONFIG** Click to set CAMERA, DETECTION, ALERT, NETWORK, DISPLAY, RECORD and DEVICES.

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


Main Menu Structure


	QUICK START	GENERAL	CHANNEL TITLE	
			EVENT STATUS	
			DATE DISPLAY	
			MOUSE SENSITIVITY	
			PRIORITY	
			RECORD CONFIG	
		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 CONFIG	
			RESTORE CONFIG	
			SYSTEM INFO	BAUD RATE
				HOST ID
				AUTO KEY LOCK
				CLEAR HDD
		RESET DEFAULT		
		REMOTE CONTROL ID		
		SERIAL TYPE		
		VIDEO FORMAT		
		VERSION		
		BACKUP DATA (USB)		
		BACKUP LOG (USB)		
	EVENT INFORMATION	QUICK SEARCH		
		EVENT SEARCH		
		HDD INFO		
		EVENT LOG		
	ADVANCED CONFIG	CAMERA	BRIGHTNESS	
			CONTRAST	
			SATURATION	
			HUE	
			COV.	
			REC	
			CHANNEL TITLE	
			DETECTION	LS
				SS
				TS
				MOTION
				ALARM
				AREA
			ALERT	EXT. ALERT
				INT. BUZZER
				KEY BUZZER
				VLOSS BUZZER
		MOTION BUZZER		
		ALARM BUZZER		
		HDD BUZZER		
		ALARM DURATION (SEC)		
		HDD NEARLY FULL (GB)		
		NETWORK	NETWORK	
			SNTP	
			FTP	
			E-MAIL	
			DDNS	
	ADVANCED CONFIG	DISPLAY	FULL SCREEN DURATION	
			DISPLAY COVERT	
			HDD DISPLAY MODE	
			VGA OUTPUT	
			ALPHA BLENDING	
			RECORD CONFIG	
			RECORD	MANUAL RECORD
				EVENT RECORD
				TIMER RECORD
				PRE-ALARM RECORD
		OVERWRITE		
		EVENT RECORD ALL CH		
		KEEP DATA LIMIT (DAYS)		
		RECORD CONFIG		
		DEVICES		
	SCHEDULE SETTING	RECORD		
		DETECTION		
		ALARM		

2. FRONT AND REAR PANELS

2.1 Front Panel

1) LED Indicators

 HDD is reading or recording.

 DVR is powered on.

2) II (▲) / ■ (▼) / ◀ (◀) / ▶ (▶)

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

In the playback mode:

Press “ II ” to pause playback.

Press “ ■ ” to stop playback.

Press “ ▶ ” to fast forward.

Press “ ◀ ” to fast rewind.

3) MENU

Press to enter the main menu.

4) ENTER

Press to confirm the setting.

5) LIST (Event List Search)

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

To quickly search the time you want, select “QUICK SEARCH”. Set the time range you want, and select “Start” to play the recorded video clip during the specified time.

6) PLAY

Press to playback the latest recorded data.

7) SLOW


In the playback mode, press to show slow playback.

8) ZOOM

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

9) 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.

10) 


Press to show the 4 channel display mode.


11) CH1 ~ 4

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


12) 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

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

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

14) 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.

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

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.

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.

2) AUDIO IN (1~4)

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

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) AUDIO OUT

Connect to a speaker with 1 mono audio output.

Note: To know how many audio outputs your DVR supports, please refer to its specifications.

4) MONITOR

Connect to a CRT monitor for video output.

5) VGA

Connect to a LCD monitor directly.

6) EXTERNAL I/O

This port is used to connect external devices (such as speed dome cameras or external alarm, etc). For detailed I/O port PIN configuration, please refer to “APPENDIX 6” in your user manual.

7) LAN

Connect to Internet by LAN cable.

8) DC 19V

Connect to the supplied adapter.

9)  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		No USB device connected
	Key lock		PTZ mode on		HDD overwrite
	Administrator		Operator		Sequence
	Motion		Recording		Alarm
	Record mode: Frame		Record mode: Field		Record mode: CIF

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

By 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.
	Repeat	Click to set point A and point B in a video clip, and the system will play only the specified range in that clip.
	Backup	Click to open the backup menu for video backup.




Event Search

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

To quickly search the time you want, select “QUICK SEARCH”. Set the time range you want, and select “SUBMIT” to play the recorded video clip during the specified time.




Audio Playback


In the playback mode, click  on the quick menu bar as many times as needed to select live or playback audio from the 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 VGA Output Resolution Support

Users are allowed to change the resolution depending on their display monitor.

Right-click to display the main menu, and select “ADVANCED CONFIG” → “DISPLAY”.

ADVANCED CONFIG		
CAMERA DETECTION ALERT NETWORK DISPLAY RECORD DEVICES	FULL SCREEN DURATION	03
	DISPLAY COVERT	ON
	HDD DISPLAY MODE	HDD SIZE
	VGA OUTPUT	1024 x 768
	ALPHA BLENDING	200
EXIT		

Move to “VGA OUTPUT”, and select the VGA resolution you want. There are three options as follows:

- 1024 x 768 (default)
- 1280 x 1024
- 1600 x 1200

Note: To have the best image quality on your LCD monitor, make sure (1) the selected DVR VGA output resolution is supported by your monitor, and (2) the VGA output settings on both the LCD monitor and DVR are consistent.

If the image is not positioned or scaled properly, please go to your monitor’s menu for adjustment. For details, please refer to the user manual of your LCD monitor.

3.6 System Sources Reallocation

This function is used to reallocate the system sources to live display & record.

There are two options for this function: RECORD FIRST / DISPLAY FIRST.

QUICK START		
GENERAL	CHANNEL TITLE	ON
TIME SETUP	EVENT STATUS	ON
	DATE DISPLAY	ON
	MOUSE SENSITIVITY	- +
	PRIORITY	RECORD FIRST
	RECORD CONFIG	SETUP
EXIT		

RECORD FIRST: When this option is selected, Full D1 at real-time record on all channels is available, and the VGA output resolution is fixed to 1024 x 768.

DISPLAY FIRST: When this option is selected, three VGA output resolutions will be available to choose (1024 x 768 / 1280 x 1024 / 1600 x 1200), but Full D1 real-time recording on all channels will not be available.