H.264 Network DVR

Quick Start

Please read instructions thoroughly before operation and retain it for future reference.
For the actual display & operation, please refer to your DVR in hand.
To know details about 16CH & 8CH models, please download from the following website:
http://www.surveillance-download.com/user/DCC_quick.pdf

1. FRONT AND REAR PANELS

1.1 Front Panel

1) <u>LED Indicators</u>

    POWER: DVR is powered on.
    HDD: HDD is reading or recording
    ALARM: Once the alarm is triggered
    TIMER: When timer recording is turned on
    PLAY: Under playing status

2) <u>MENU</u>

    Press "MENU" to enter the main menu.

3) <u>ENTER</u>

    Press "ENTER" to confirm the setting.

4) <u>SLOW</u>

    Under the playback mode, press "SLOW" to show slow playback.

5) <u>ZOOM</u>

    Press "ZOOM" to enlarge the picture of selected channel (under the live mode).

6) ⊞

    Press " ⊞ " to show the 4 channel display mode.

7) <u>SEQ</u>

    Press "SEQ" to activate the call monitor function and press "SEQ" again to escape the call monitor mode.

8) <u>POWER</u>

    Press to turn on / off the DVR.
    (Under the recording mode, please stop recording before turning off the DVR).

9) <u>CH1 ~ 4</u>

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

10) <u>PLAY</u>

    Press to playback the recorded data.

11) <u>▲ (PAUSE/+) / ▼ (STOP/-) / ◄ (REW) / ► (FF)</u>

    Press ▲ / ▼ / ◄ / ► to move the cursor up / down / left / right.
    Under the playback mode, press " PAUSE" to pause playback.
    Under the playback mode, press " STOP" to stop playback.
    Under the playback mode, press "FF" to fast forward.
    Under the playback mode, press "REW" to fast rewind.

12) AUDIO (SLOW + ZOOM)

Press "SLOW" + "ZOOM" simultaneously to select the audio channel you want for listening to the live audio (in the live mode) or playback audio (in the playback mode).

	Live audio of the 1st audio channel		Playback audio of the 1st audio channel
	Live audio of the 2nd audio channel		Playback audio of the 2nd audio channel
	Live audio of the 3rd audio channel		Playback audio of the 3rd audio channel
	Live audio of the 4th audio channel		Playback audio of the 4th audio channel
	The audio channel is not selected.		

13) P.T.Z. (⊞ + SEQ)

Press ⊞ + SEQ at the same time to enter / exit the PTZ control mode.
In the PTZ control mode,
* Zoom in: Press "SEQ"
* Zoom out: Press "⊞"
* Adjust PTZ angle: Press ▲ / ▼ / ◄ / ►

14) LIST (Event List Search)

To quick search the recorded files by event, press to show all types of the event lists.

15) SNAP

Press "SNAP" to take a snapshot.

Note: Before taking a snapshot, insert a compatible USB flash drive into the DVR USB port for snapshot saving. For the compatible USB flash drive list, please refer to "APPENDIX 3 COMPATIBLE USB FLASH DRIVE" in the user manual.
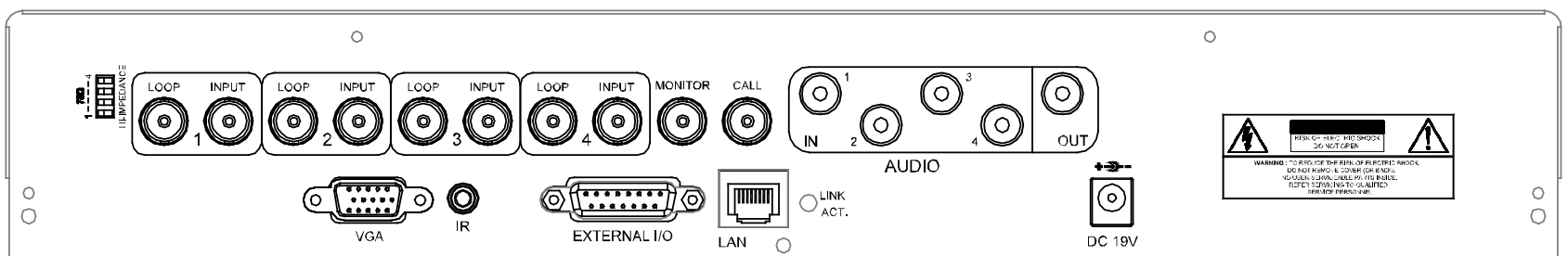
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16) EJECT *(Selected Models Only)*

Press "EJECT" to open / close the DVD Writer.

17) USB

Supports firmware / OSD upgrade and file backup.

1.2 Rear Panel

· 4CH

1) 75Ω / HI-IMPEDANCE

When using Loop function, please switch to HI-IMPEDANCE. When you don't use Loop function, please switch to 75Ω.

2) INPUT (1 ~ 4): Connect to video sources, such as cameras.

LOOP (1 ~ 4): Video output connector.

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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3) <u>MONITOR</u>

Connect to a CRT monitor for video output.

4) <u>CALL</u>

Connect to a call monitor.

5) <u>Audio IN</u>

Connect to audio sources, such as cameras equipped with the audio function.
When users start recording, the audio input will also be recorded with corresponding video channel.

Note: The audio source connected to the "Audio 1" will be recorded with the video of the "CH1".
The audio source connected to the "Audio 2" will be recorded with the video of the "CH2".
The audio source connected to the "Audio 3" will be recorded with the video of the "CH3".
The audio source connected to the "Audio 4" will be recorded with the video of the "CH4".

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6) <u>Audio OUT</u>

Connect to a monitor or speaker with 1 mono audio output.

7) <u>VGA</u>

Connect to a LCD monitor directly.

8) <u>IR</u>

Connect the IR receiver extension cable (optional) for remote control.

9) <u>EXTERNAL I/O</u>

Insert the supplied 15 / 25 PIN DSUB to this port for connecting external devices (external alarm, etc).
For detailed I/O port PIN configuration, please refer to "APPENDIX 1 PIN CONFIGURATION" in the user manual.

10) <u>LAN</u>

Connect to Internet with a RJ45 network cable.

11) <u>LINK / ACT LED light:</u>

When the Internet is activated, the LED light will be on.

12) <u>DC 19V</u>

Connect to the supplied adapter.

2. BASIC OPERATION

2.1 Live Page

In this live page of the DVR, you can see the live viewing of 1- / 4-cut screen.

Icon	Function	Icon	Function	Icon	Function	Icon	Function
🔒	Key lock	🔓	Key unlock	🔊	The 1st live audio channel	🔊	The 2nd live audio channel
🔊	The 3rd live audio channel	🔊	The 4th live audio channel	🔊	The 1st playback audio channel	🔊	The 2nd playback audio channel
🔊	The 3rd playback audio channel	🔊	The 4th playback audio channel	🔇	Audio channel unselected	🔍	Digital zoom mode
🔍	Digital zoom unselected	⏱️	Timer recording	🐾	Motion	📹	Recording
📡	Alarm	💾	HDD overwrite	**R.E.T.R.**	R.E.T.R. ON	**R.E.T.R.**	R.E.T.R. Delay

2.2 Recording

When the HDD overwrite function is activated, this device will overwrite 8GB data from the oldest for continuous recording without notice.

1) <u>Continuous Recording Icon</u>

When the DVR is properly connected with camera, you can see the icon " 📹 " (recording) on the screen.

2) <u>Event Recording Icon</u>

When the motion / alarm detection is activated, once motion or external alarm happens, you will see the icon " 🐾 " (motion) or " 📡 " (external alarm) on the screen.

3) <u>Timer Recording Icon</u>

When the timer record is activated, you will see the icon " ⏱️ " (timer) on the screen.

Note: The audio source connected to the "Audio 1" will be recorded with the video of the "CH1".
The audio source connected to the "Audio 2" will be recorded with the video of the "CH2".
The audio source connected to the "Audio 3" will be recorded with the video of the "CH3".
The audio source connected to the "Audio 4" will be recorded with the video of the "CH4"

Note: A new log will be added in the system log when the HDD data is overwritten or the recording starts after DVR reboots.

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4) <u>HDD Overwritten Icon</u>

The HDD overwritten function can be set to ON / OFF. When this function is enabled (ON), the 💾 icon will display on the monitor screen.

2.3 Playback

Press "**PLAY**" on the DVR control panel, and the device will playback the latest recorded video.

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: The playback at the local site might not be so fluent if there's any remote surveillance simultaneously going on.

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5) <u>Fast Forward / Fast Rewind</u>

You can increase the speed for fast forward and rewind on this device. In the playback mode:
Press "FF" once to get 4X speed forward and press twice to get 8X speed, etc. And the maximum speed is 32X.
Press "REW" once to get 4X speed rewind and press twice to get 8X speed, etc. And the maximum speed is 32X.

6) Pause / Image Jog

Press "PAUSE" to pause the playback.
In the Pause mode:
Press "FF" once to get one frame forward.
Press "REW" once to get one frame rewind.

7) Stop

Press "STOP" under playback mode, and the screen will return to live monitoring mode.

8) Slow Playback

Press "SLOW" to get 1/4X speed playback and press twice to get 1/8X speed playback.

9) Audio Playback

In the playback mode, press "SLOW" + "ZOOM" to select the audio channel you want for audio playback.

 Playback audio of the 1st audio channel

 Playback audio of the 2nd audio channel

 Playback audio of the 3rd audio channel

 Playback audio of the 4th audio channel

 The audio channel is not selected.

Note: If you want to make a video backup with audio, please connect audio cameras to the channels which support the audio function (CH1, CH2, CH3 and CH4).

2.4 Key Lock and Unlock

1) Key Lock On

Set the time-out after which the key lock function is activated (NEVER / 10 SEC / 30 SEC / 60 SEC). Please refer to "7.2 System Info" in the user manual.

OR

Press "F2" on the IR remote controller to immediately lock the keys.

2) Key Lock Off

Enter the DVR password to exit "Key Lock" mode.

2.5 Upgrade

· **Firmware / Multilanguage OSD Upgrade**

1) Use USB to upgrade firmware or OSD

Step 1. Format the USB memory device as FAT 32 format first.
Step 2. Get the upgrade files from your distributor, and save the upgrade files in your USB flash device (do not change the file name).
Step 3. Insert your USB flash drive into the USB port. Wait till the DVR detects your USB flash drive.
Step 4. Press "MENU", and move to "ADVANCE" → "". Select "UPGRADE" → "START", and press "ENTER".
Step 5. Select "YES", and press "ENTER" to confirm the upgrade.

2) Use the licensed software "Video Viewer" to remotely upgrade firmware or OSD

Step 1. Save the upgrade files at your PC (do not change the file name), and execute Video Viewer.

Step 2. In the "Address Book" panel, select the IP address of your DVR (or add the IP address of your DVR to the address book if it's not yet in the address book), and click "" to show the "Update Server" panel.

Step 3. In "Update Server", click "Firmware" or "Language" tab as needed, and click "Add" to select the firmware or OSD files to upgrade.

Step 4. Click "Update Firmware" or "Update Language" to start the upgrade.

2.6 Search

1)   Search by List

Press "LIST" on the DVR control panel to show the list for all types of the recorded files. Choose the item you want to see, and press "ENTER" to start playback.

2)   Search by Time

In the " " (EVENT INFO) menu list, move to "QUICK SEARCH", and press "ENTER" to enter the quick search menu. You can search any specific events by time (Year / Month / Day / Hour / Min) and directly play the file you find.