

## Specifications

Model	4CH	8CH	16CH
Main Processor	High Performance industrial - grade embedded microcontrollers		
Operating system	Embedded LINUX		
Compression	H.264		
Video Input	4CH CVI (1080P/720P)	8CH CVI (1080P/720P)	16CH CVI (1080P/720P)
Video output	Support VGA/ HD port video output		
Resolution	720P/960P, real-time mode: PAL every channel 1fps-25fps adjustable; NTSC every channel 1fps-30fps adjustable; 1080P, non real-time mode: PAL every channel 1fps-12fps adjustable; NTSC every channel 1fps-15fps adjustable		
Stream type	Supports dual stream function and resolution of secondary streams		
HDD	One SATA interface Each interface can support HDD with maximum capacity of 4TB	Two SATA interfaces ,Each interface can support HDD with maximum capacity of 4TB.	
Backup Mode	USB Device/Network		
Network Function	Static, Dynamic IP and DDNS , P2P		
USB	2 USB 2.0 ports (one before and one after)		
Ethernet	1 RJ-45 port(10/100Mbps)		
PTZ	RS485		
Power Supply	DC 12V/3A	DC 12V/4A	DC 12V/4A
Power Consumption	≤15W		
Working Environment	-10°C~+55°C/10%~90%RH		
Dimension (W x D x H)	335×255×50mm		

## Item List

Item	Name	Quantity
1	Mouse	1
2	CD	1
3	Power Adapter	1
4	Quick Installation Guide	1
5	Digital Video Recorder	1
6	HDD power cable	1
7	HDD data cable	2 ( 4CH with 1 cable only)

Franchiser:

## Digital Video Recorder

### Quick Installation Guide



Thank you for using our product, please read this manual carefully before using this equipment.  
For more please refer to the user manual in the CD packaged along with the CVR.

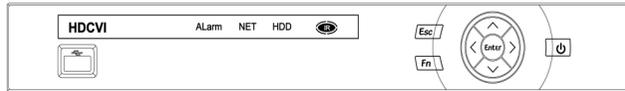
### Instructions

- ◆ Please install the device in a well ventilated place, do not block the vents of the equipment.
- ◆ Please keep equipment installed horizontally, or install equipment in a stable place, avoid the equipment falling down.
- ◆ Please keep it dry in case a short-circuit may cause fire or other hazard. This equipment is not weather proof.
- ◆ Please use the HDD as requested, buy through the regular channels, make sure the HDD quality.
- ◆ Please do not place heavy objects on it or pile up.

## 1. Product Appearance Introduction

### 1. Front Panel

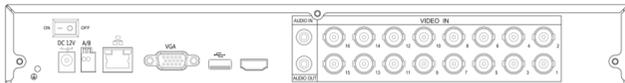
**Note:** The appearance of products, including buttons, interfaces and layout, are for reference only, and the actual delivered goods shall prevail.



Name	Function	Name	Function
	Power button, press this button for three seconds to boot up or shut down DVR.		Arrow keys
Enter	ENTER	ESC	Cancel button
Fn	Auxiliary function keys	HDD	HDD error occurs or HDD capacity is below specified threshold value, the indicator light .
NET	Network error occurs or there is no network connection ,the indicator light .	Alarm	When an alarm occurs, the indicator light .
	USB storage devices and the mouse	IR	It is to receive the signal from the remote control.

### 2. Rear Panel

16CH rear panel as an example :



Interface Name	Interface Function	Interface Name	Interface Description
DC-12V	Power socket	AUDIO OUT	Audio output
HD	HD port	AUDIO IN	Audio input
VGA	VGA output	VIDEO IN	Video input
	Network port	A/B	RS-485 input port
	GND port		USB port

## 2. Hard Disk Installation

Take the following model as an example:

1. Loosen the screws of the upper cover and side panel.
2. Place the HDD in accordance with the four holes in the bottom.



3. Fix the HDD firmly.



4. Connect the HDD cable and power cable.



5. Put the cover in accordance with the clip and then place the upper cover back.



6. Secure the screws in the rear panel and the side panel.



## 3. Local System Login

After device successfully booted up,click "Next" to enter the Setup Wizard , or click "Cancel " to enter the system login screen.

**System consists of four accounts:**

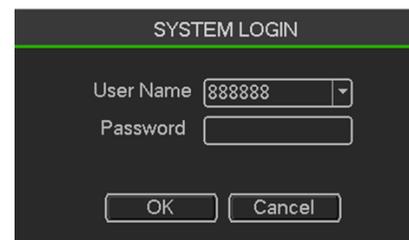
User: **admin**, password is blank. (administrator, local and network)

User: **888888**, password is blank. (administrator, local only)

User: **666666**, password is blank.

(Lower authority user who can only monitor, playback,backup and etc.)

User: **default**, password is blank. (hidden user).

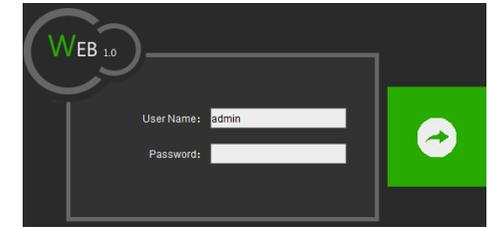


## 4. Web Login

If the plug-ins cannot be loaded, you need to set IE as follows: Tools →Internet Options→Custom Level→ActiveX controls and plug-ins, to enable all, and click OK.

Enter the IP address of the recorder in the browser address bar, and connect. After a successful connection, it will pop up an input box as shown below.

Enter the user name and password The factory default administrator user name is **admin**, password is blank.



## 5. Common Problems and Troubleshooting

### 1. When turned on the CVR, it cannot normally boot up.

- . Incorrect power input.
- . Switch Mode Power Supply (SMPS) is broken.
- . The program upgrade in error.

### 2. CVR will restart automatically a few minutes after startup or frequently crashes.

- . Input voltage is unstable or too low.
- . The hard disk has bad sector or the hard drive cable is broken .
- . Switch Mode Power Supply is under capacity.
- . Bad heat dissipation, dusty or poor working condition.
- . CVR hardware failure.

### 3. Single-channel, multi-channel or all videos have no output.

- . Please check whether the power cable connected to the camera is loosen.
- . Please check if the video input or output cables through the CVR rear panel are ok.
- . Directly insert the video source into the display device and see if either of them is defective.
- . Check the screen brightness, if the luminance values are all zero, please restore default settings.
- . The video input signal is too week or no input signal.

### 4. Web cannot log on.

- . Confirm whether the network is connected and check whether the panel LINK or 100M LED displays properly. Use ping xxx.xxx.xxx.xxx ( the CVR IP) to check if the network is connected.
- . If the ActiveX control is blocked, please manually install the ActiveX control.