



ID : admin PW : admin PORT : 80, 3777, 3778

LIVE DEMO : <http://cc99.ath.cx:68>

SMART PHONE APPS : iDMSS or DMSS

PROFESSIONAL SMOOTH HIGH RESOLUTION REAL TIME HDMI DVR

	Parameter	4CN3H	8CN3H	16CN3H
System	Main Processor	High-performance industrial embedded micro controller		
	OS	Embedded LINUX		
	System Resources	Multiplex operations: Multiple-channel record, multiple-channel playback and network operation simultaneously		
	Interface	User-friendly graphical user interface		
	Input Devices	Front panel, USB mouse, remote control		
	Input Method	Arabic number, English character, donation and extension Chinese (optional)		
	Shortcut Function	Copy/paste operation, USB mouse right-key shortcut menu, double click USB mouse to switch screen.		
Compression Standard	Video Compression	H.264		
	Audio Compression	G.711A		
Video monitor	Video Input	4-CH composite video input: (NTSC/PAL) BNC (1.0V _{P-P} , 75Ω)	8-CH composite video input: (NTSC/PAL) BNC (1.0V _{P-P} , 75Ω)	16-CH composite video input: (NTSC/PAL) BNC (1.0V _{P-P} , 75Ω)
	Video Output	1-ch PAL/NTSC, BNC (1.0V _{P-P} , 75Ω) composite video signal output. 1-ch VGA output. 1-ch HDMI output. Support TV/VGA/HDMI video output at the same time.		
	Video Standard	PAL (625 line, 50f/s), NTSC (525 line, 60f/s)		
	Record Speed	Real-time Mode: PAL 1f/s to 25f/s per channel and NTSC 1f/s to 30f/s per channel		
	Video Partition	1/4 windows(Optional)	1/4/9 windows	1/4/9 /16 windows
	Monitor Touring	Support monitor tour functions such as alarm, motion detection, and schedule auto control.		

	Resolution (PAL/NTSC)	PAL/NTSC Real-time monitor: D1 704×576/704×480		
		Playback: 1/16-ch: D1 704×576/704×480 (6f/s, when other channels' resolution are all CIF, the first channel and the ninth channel can support 25f/s.) , CIF 352×288/ 352×240 , QCIF 176×144/176×120 Other channels CIF 352×288/ 352×240 、 QCIF 176×144/176×120.		
		Support dual streams: extra stream resolution QCIF 176×144/176×120		
		Zone setup: support max 396(22×18) zones. Support various sensitivities.		
	Motion Detection	Zone setup: support max 396(22×18) zones. Support various sensitivities.		
	Image Quality	6-level image quality (Adjustable)		
	Privacy mask	Support one privacy mask of user-defined size in full screen. Support max 4 zones.		
	Image Information	Channel information, time information and privacy mask zone.		
	TV Adjust	Adjust TV output zone suitable to anamorphic video.		
	Channel Lock	Cover secret channel with blue screen though system is encoding normally. Screen-lock function to prevent unauthorized user seeing secret video.		
Channel Information	Channel name, recording status, screen lock status, video loss status and motion detection status are shown on the bottom left of display screen.			
Color Configuration	Hue, brightness, contrast, saturation and gain setup for each channel.			
Audio	Audio Input	4-ch 200-2000mv 10KΩ(BNC)	8-ch 200-2000mv 10KΩ(BNC)	4-ch 200-2000mv 10KΩ (BNC)
		1-ch audio output 200-3000mv 5KΩ(BNC)		
	Bidirectional Audio	Reuse the first channel audio input port to realize bidirectional talk function.		
Hard disk	Hard Disk	1 built-in SATA port. Support 1 HDD.		
	Hard Disk Occupation	Audio: PCM 28.8MByte/h Video: 56-900MByte/h		
Record and playback	Recording Mode	Manual recording, motion detection recording, schedule recording and alarm recording Priority: Manual recording> alarm recording>motion detection recording>schedule recording.		
	Recording Length	1 to 120 minutes single record duration (Default setup is 60 minutes)		
	Playback Repeat Way	When hard disk is full, system can overwrite previous video file.		
	Record Search	Various search engines such as time, type and channel.		
	Playback Mode	Various fast play, slow play speeds, manual frame by frame playback and reverse play mode.		
	Various File Switch Ways	Can switch to previous or next file or any file in current play list. Can switch to file on other channel of the same time. (If there is a file) Support file continuous play, when file is end system auto plays the next file in the current channel		
	Multi-channel Playback	There are two playback modes: 4-ch and full-channel. In 4-ch playback mode, you can select the 1/2/3/4-ch playback according to your requirement. In full-channel mode, system can playback in full channels. Please note the 4-ch has no full-channel playback mode.		

	Window Zoom	Switch between self-adaptive screen/full screen when playback		
	Partial Enlargement	When in one-window full-screen playback mode, you can select any zone to activate partial enlargement function.		
Backup function	Backup Mode	HDD backup		
		Support peripheral USB backup device. (Flash disk, portable disk and etc.)		
		Support USB burner (extension function).		
		Support network download and backup		
Network Function	Network control	View monitor channel remotely.		
		DVR configuration through client-end and web browser		
		Upgrade via client or browser to realize remote maintenance.		
		View alarm information such as external alarm, motion detection and video loss via client.		
		Support network PTZ lens control		
		File download backup and playback		
		Multiple devices share information via corresponding software such as professional surveillance software (PSS)		
		Duplex transparent COM		
		Network alarm input and output		
		Bidirectional audio.		
Motion Detection and Alarm	Motion Detection	Zone setup: support 396((PAL 22×18, NTSC 22×15)) detection zones. Various sensitivity levels. Alarm can activate record or external alarm or screen message prompt.		
	Video Loss	Alarm can activate external alarm or screen message prompt.		
	External Alarm	Support record activation function or activate external alarm or screen message in specified period.		
	Manual Alarm Control	Enable or disable alarm input channel Support analog alarm signal to specific alarm output channel.		
	Alarm Input	4-ch alarm input (You can set normal open or normal close type to select the alarm type.)	8-ch alarm input (You can set normal open or normal close type to select the alarm type.)	16-ch alarm input (You can set normal open or normal close type to select the alarm type.)
	Alarm Output	3-channel relay output.		
	Alarm Relay	30VDC 2A, 125VAC 1A (activation alarm)		
Interface	USB Interface	2 USB 2.0 ports.		
	Network connection	RJ45 10M/100M self-adaptable Ethernet port		
	RS485	PTZ control port Support various PTZ control protocols.		
	RS232	Ordinary COM (Debug),keyboard connection and transparent serial port(COM input and output via network)		
System Information	Hard Disk Information	Display HDD current status		
	Data Stream Statistics	Data stream statistics for each channel (in wave mode)		
	Log statistics	Backup to 1024 log files. Support various search engines such as time and type.		
	Version	Display version information: channel amount, alarm input and output amount, system version and release date.		
	On-line user	Display current on-line user		
User Management	User Management	Multi-lever user management; various management modes Integrated management for local user, serial port user and network user. Configurable user power.		
		Support user /group and its corresponding rights modification. No limit to the user or group amount.		

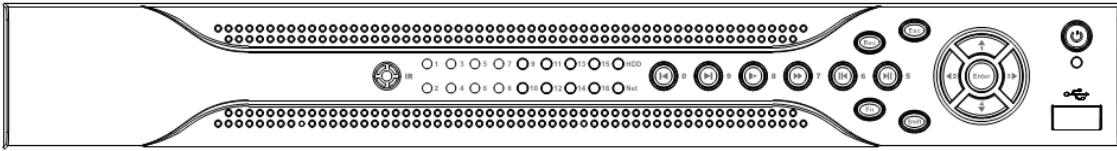
	Password Authentication	Password modification Administrator can modify other user's password. Account lock strategy Five times login failure in thirty minutes may result in account lock.
Upgrade		Web browser, client-end and update tool.
Login, Logout and Shutdown		Password login protection to guarantee safety
		User-friendly interface when login. Provide the following options: Logout /shutdown/ restart.
		Right authentication when shut down to make sure only those proper people can turn off DVR
General Parameter	Power	DC +12V/3.3A (SUPER LOW POWER CONSUMPTION)
	Power Consumption	12W (Exclude HDD)
	Working Temperature	0°C – +55°C
	Working Humidity	10% – 90%
	Air Pressure	86kpa – 106kpa
	Dimension	375 x285 x45mm
	Weight	3.25KG(Exclude HDD)
	Installation Mode	Desktop installation

1 Overview and Controls

This section provides information about front panel and rear panel. When you install this series DVR for the first time, please refer to this part first.

1.1 4CH / 8CH 16CH DVR Front Panel

The front panel is shown as in Figure 2-1.



1.2 Rear Panel

The 4-ch rear panel is shown as below. See Figure 2-2.

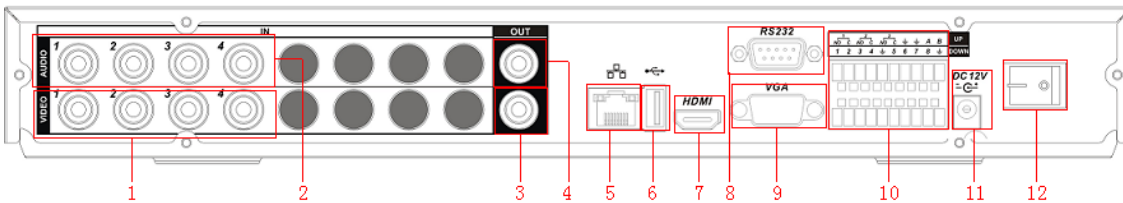


Figure 2-1

The 8-ch rear panel is shown as below. See Figure 2-3.

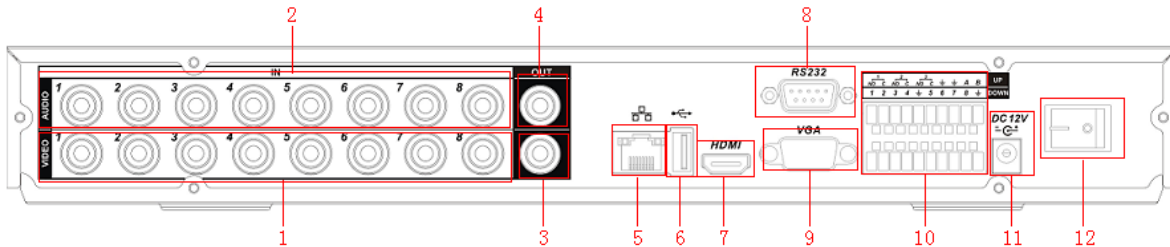
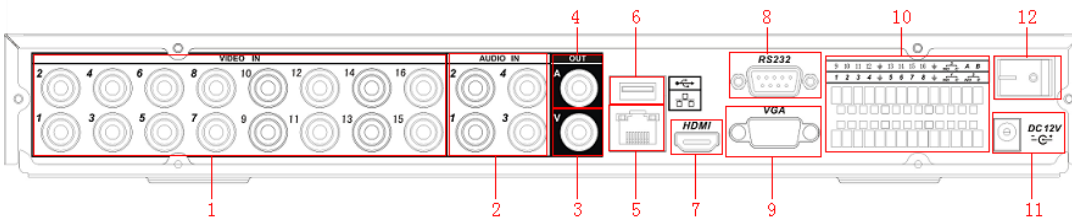


Figure 2-2

The 16-ch rear panel is shown as below. See Figure 2-4.



1.3 Connection Sample

Please refer to Figure 2-5 for connection sample.

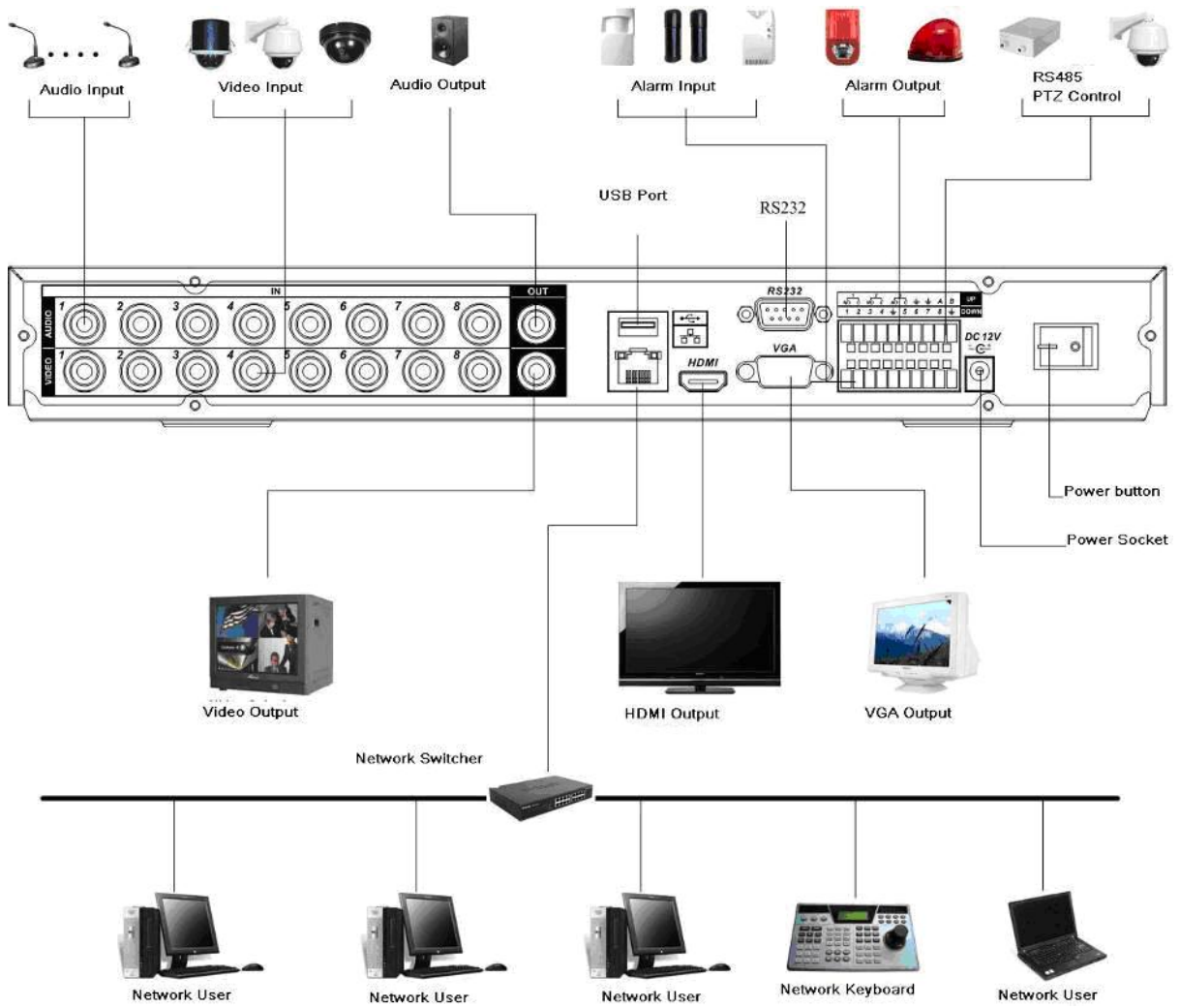


Figure 2-3