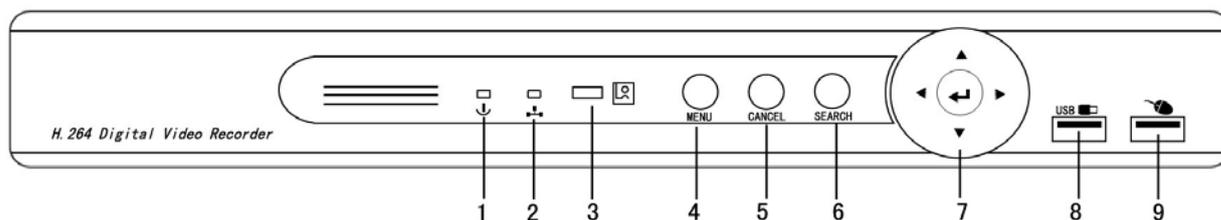
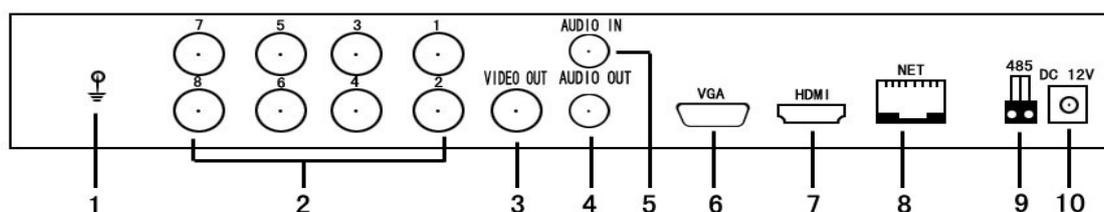


## 1. Front/ Rear Panel



No.	FUNCTION	No.	FUNCTION	No.	FUNCTION
1	Power indication light	2	Network indication light	3	IR receiver
4	Menu button	5	Cancel/ESC button	6	Search/Playback button
7	Cursor/Enter button	8	USB port	9	USB Mouse port



No.	FUNCTION	No.	FUNCTION	No.	FUNCTION
1	Ground	2	Video input	3	Video CVBS output
4	Audio output	5	Audio input	6	VGA output
7	HDMI output	8	Network connector	9	RS485 port
10	+12V Power supply				

## 2. Live Viewing

The system is in live viewing mode after it booted up. Double left click mouse on one channel to view full of this channel. Double left click mouse again to go back to multiple-window mode.

## 3. Menu

It needs login with user name and password first when go to menu and operation. Default administrator user name is admin and password is admin. Default normal user name is 1 and no need password.

### 3.1 Main Menu

There are total nine icons: **SETUP, SEARCH, BACKUP, INFORMATION, DISK MANAGER, DEFAULT, UPGRADE, LOGOUT and SHUTDOWN.**

## **3.2 Setup Sub-Menu**

### **3.2.1 General**

Set system time, system format, menu language, resolution of HDMI and VGA, menu logout time and menu transparency.

### **3.2.2 Live**

Change channel title and title display position. Set video color, auto sequence time, privacy mask zones. Adjust TV output.

### **3.2.3 Record**

Set record mode, record resolution, quality of image, bit rate, FPS, alarm record time. Enable or disable audio record, recording display of channel name or time.

### **3.2.4 Schedule**

Set schedule record channel, mode and time.

### **3.2.5 Alarm**

Set parameters for motion detection alarm, sensor alarm and abnormal alarm.

### **3.2.6 Network**

Set network parameters to connect PC and mobile.

### **3.2.7 Account**

Login with administrator user (user name is admin) can add new user, delete user and change operating authority of all users. Normal and default user can only change itself password and operating authority.

### **3.2.8 PTZ**

Set PTZ address, baud rate and protocol for each channel.

### **3.2.9 Advanced**

Select the information to save into the system log. Set system auto-reboot function.

## **3.3 Search Sub-Menu**

Start time search or event search to play back.

## **3.4 Backup Sub-Menu**

Select backup time and channel to backup record file into the USB device.

## **3.5 Information Sub-Menu**

View information of system, event, log, network and online user.

### 3.6 Disk Manager Sub-Menu

View hard disk information. Format hard disk. Enable or disable hard disk overwrite recording.

### 3.7 Default

Restore default factory setup.

### 3.8 Upgrade

Upgrade firmware to the latest version.

### 3.9 Logout

Log out from menu or operation.

### 3.10 Shutdown

System shuts down.

## 4. PC/Mobile Connection

Can use IE web, NetViewer or CMS for PC to connect DVR to view live or playback and set up the parameters of DVR. Use relevant software for mobile to connect DVR.

## 5. Specification

OS	Embedded LINUX
Input Devices	Front panel, USB mouse, remote controller (Optional)
Video Input	4/8 CH Composite video 1.0Vp-p/75 $\Omega$ , NTSC/PAL
Video Output	1 CH Composite video output, HDMI, VGA
Audio	1 CH Input. 1 CH Output
Resolution	Live: 720×576 25f/s(PAL). 720×480 30f/s(NTSC) Playback: 352×288 25f/s(PAL). 352×240 30f/s(NTSC)
Network	Support DHCP, FTP, PPPOE, 3G, DDNS, Web browser, CMS, NetViewer, Email. Build in free privacy DDNS
Mobile OS	Windows mobile, Symbian, IOS, Android, Blackberry
Connecting Port	USB×2, SATA×1, 12VDC, RS485
Environment	Working Temperature : 0°C ~ +55°C Working Humidity: 10~90%