

Network Video Recorder Quick Start Guide

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Welcome

Thank you for purchasing our network video recorder!

This quick start guide is designed to be a reference tool for your system.

Please open the accessory bag to check the items one by one in accordance with the list below.

Contact your local retailer ASAP if something is missing or damaged in the bag.

Important Safeguards and Warnings

1 . Electrical safety

All installation and operation here should conform to your local electrical safety codes.
We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation.

2 . Transportation security

Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation.

3 . Installation

Keep upwards. Handle with care.
Do not apply power to the NVR before completing installation.
Do not place objects on the NVR

4 . Qualified engineers needed

All the examination and repair work should be done by the qualified service engineers.
We are not liable for any problems caused by unauthorized modifications or attempted repair.

5 . Environment

The NVR should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc.
This series product shall be transported, storage and used in the environment ranging from 0℃ to 50 ℃

6. Accessories

Be sure to use all the accessories recommended by manufacturer.
Before installation, please open the package and check all the components are included.
Contact your local retailer ASAP if something is broken in your package.

7. Lithium battery

Improper battery use may result in fire, explosion, or personal injury!
When replace the battery, please make sure you are using the same model!

Before your operation please read the following instructions carefully.

- **Installation environment**
 - ✧ Keep away from extreme hot places and sources;
 - ✧ Avoid direct sunlight;
 - ✧ Keep away from extreme humid places;
 - ✧ Avoid violent vibration;
 - ✧ Do not put other devices on the top of the NVR;
 - ✧ Be installed in well ventilated place; do not block the vent.

- **Accessories**

Check the following accessories after opening the box:

- **Please refer to the packing list in the box ***

Component Name	32 Series	32-P Series	32-S Series	38 Series	Quantity
NVR	■	■	■	■	1
7-pin SATA cable	■	■	■	■	2 (8 for 38 series)
Power cable	■	■	■	■	1 (2 for 32-P series)
Network cable	■	■	■	■	1
Remote control	□	■	■	■	1
Black optical mouse	■	■	■	■	1
Power adapter	■	■	■	□	1 (2 for 32-P series)
Quick start guide	■	■	■	■	1
CD	■	■	■	■	1
Plastic pad	■	■	■	■	1

1 Hardware Installation and Connection

Note: All the installation and operations here should conform to your local electric safety rules.

1.1 Check Unpacked NVR

When you receive the NVR from the forwarding agent, please check whether there is any visible damage. The protective materials used for the package of the NVR can protect most accidental clashes during transportation. Then you can open the box to check the accessories.

Please check the items in accordance with the list (Remote control is optional). Finally you can remove the protective film of the NVR.

1.2 About Front Panel and Rear Panel

For detailed information of the function keys in the front panel and the ports in the rear panel, please refer to the *User's Manual* included in the resource CD.

The model label in the front panel is very important; please check according to your purchase order.

The label in the rear panel is very important too. Usually we need you to represent the serial number when we provide the service after sales.

1.3 After Remove the Chassis

Please check the data cable, power cable, COM cable and main board cable connection is secure or not.

1.4 HDD Installation

You can refer to the *User's Manual* for recommended HDD brand. Please use HDD of 7200rpm or higher. Usually we do not recommend the PC HDD.

Please follow the instructions below to install hard disk.

1.4.1 32 Series/32-P Series/32-S Series



1. Loosen the screws of the upper cover and side panel.



2. Fix four screws in the HDD (Turn just three rounds).



3. Place the HDD in accordance with the four holes in the bottom.



4. Turn the device upside down and then turn the screws in firmly.	5. Fix the HDD firmly.	6. Connect the HDD cable and power cable.
--	------------------------	---



7. Put the cover in accordance with the clip and then place the upper cover back.	8. Secure the screws in the rear panel and the side panel.
---	--

1.4.2 38 Series



- ① Use the screwdriver to loose the screws of the rear panel and then remove the front cover.



- ② Put the HDD to the HDD bracket in the chassis and then line up the four screws to the four holes in the HDD. Use the screwdriver to fix the screws firmly to secure HDD on the HDD bracket



- ③ Connect to the HDD data cable to the main board and the HDD port respectively. Loosen the power cable of the chassis and connect another end of the power cable to the HDD port.



- ④ After connect the cable, put the front cover back to the device and then fix screws of the rear panel.

Important:

Please turn off the power before you replace the HDD.

1.5 Front Panel

1.5.1 32 Series/32-P Series/32-S Series

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

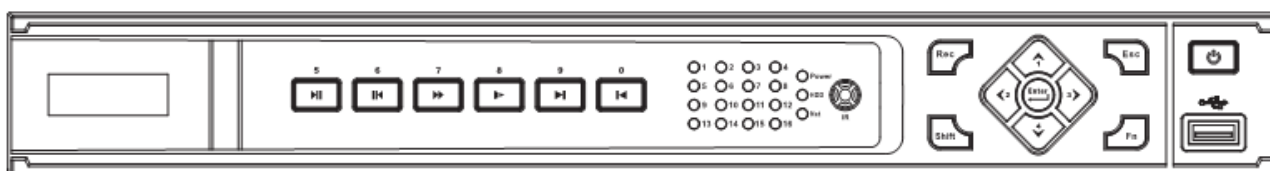


Figure 1-1

Please refer to the following sheet for front panel button information.

Name	Icon	Function
Power button		Power button, press this button for three seconds to boot up or shut down DVR.
Number button	Number 0-9 and etc	- Input Arabic number - Switch channel
Shift		- In textbox, click this button to switch between numeral, English (Small/Capitalized), donation and etc. - Enable or disable tour.
Fast play		Various fast speeds and normal playback.
Slow play		Multiple slow play speeds or normal playback.
Play/Pause		- In backward playback or pause mode, click this button to go normal playback. - In normal playback click this button to pause playback - In pause mode, click this button to resume playback. - In real-time monitor mode, click it to go to the search interface.
Reverse/Pause		- In normal playback or pause mode, click this button to reverse playback - In reverse playback, click this button to pause playback.
Play previous		In playback mode, playback the previous video

Play Next		● In playback mode, playback the next video
Up/Down		● Activate current control, modify setup, and then move up and down. ● Increase/decrease numeral. ● Assistant function such as PTZ menu.
Left/Right		● Shift current activated control, and then move left and right. ● When playback, click these buttons to control playback bar.
ESC	ESC	● Go to previous menu, or cancel current operation. ● When playback, click it to restore real-time monitor mode.
Enter	ENTER	● Confirm current operation ● Go to default button ● Go to menu
Assistant	Fn	● One-window monitor mode, click this button to display assistant function: PTZ control and image color. ● Backspace function: in numeral control or text control, press it for 1.5 seconds to delete the previous character before the cursor. ● In motion detection setup, working with Fn and direction keys to realize setup. ● In text mode, click it to switch between numeral, English character (small/capitalized) and etc. ● In HDD management interface, you can click it to switch HDD record information and other information (Menu prompt) ● Realize other special functions.
Record	REC	Manually stop/start recording, working with direction keys or numeral keys to select the recording channel.
Window switch	Mult	Click it to switch one-window/multiple-window.
USB port		To connect USB storage device, USB mouse, burner and etc.
Record light	1-16	For 4/8/16 channel device: indication light on means that the channel is in recording.
Power indication light	Power	Power indication light.
HDD abnormal indication light	HDD	HDD error occurs or HDD capacity is below specified threshold value, the light becomes red to alert you.
Network abnormal indication light	Net	Network error occurs or there is no network connection, the light becomes red to alert you.
IR Receiver	IR	It is to receive the signal from the remote control.

1.5.2 38 Series

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

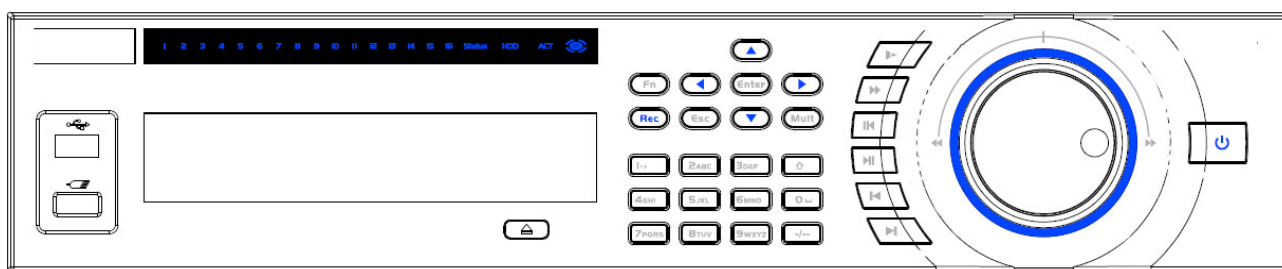


Figure 1-2

Please refer to the following sheet for front panel button information.

Name	Icon	Function
Power button	⏻	Power button, press this button for three seconds to boot up or shut down DVR.
Number button	Number 0-9 and etc	● Input Arabic number ● Switch channel
Input number more than 10	-/--	If you want to input a number more than 10, please click this button and then input.
Shift	⬆	● In textbox, click this button to switch between numeral, English (Small/Capitalized), donation and etc. ● Enable or disable tour.
Fast play	⏮	Various fast speeds and normal playback.
Slow play	⏭	Multiple slow play speeds or normal playback.
Play/Pause	▶	● In normal playback click this button to pause playback ● In pause mode, click this button to resume playback.
Reverse/Pause	◀	● In normal playback or pause mode, click this button to reverse ● playback ● In reverse playback, click this button to pause playback.
Play previous	◀◀	In playback mode, playback the previous video
Play Next	▶▶	In playback mode, playback the next video
Up/Down	▲, ▼	● Activate current control, modify setup, and then move up and down. ● Increase/decrease numeral. ● Assistant function such as PTZ menu.
Left/Right	◀, ▶	● Shift current activated control, and then move left and right. ● When playback, click these buttons to control playback bar.
ESC	ESC	● Go to previous menu, or cancel current operation. ● When playback, click it to restore real-time monitor mode.

Enter	ENTER	● Confirm current operation ● Go to default button ● Go to menu
Assistant	Fn	● One-window monitor mode, click this button to display assistant function: PTZ control and image color. ● Backspace function: in numeral control or text control, press it for 1.5 seconds to delete the previous character before the cursor. ● In motion detection setup, working with Fn and direction keys to realize setup. ● In text mode, click it to switch between numeral, English character (small/capitalized) and etc. ● In HDD management interface, you can click it to switch HDD record information and other information (Menu prompt) ● Realize other special functions.
Record	REC	Manually stop/start recording, working with direction keys or numeral keys to select the recording channel.
Window switch	Mult	Click it to switch one-window/multiple-window.
Shuttle(outer ring)		● In real-time monitor mode it works as left/right direction key. ● In playback mode, counter clockwise to forward and clock wise to backward.
Jog(inner dial)		● Up/down direction key. ● Playback mode, turn the inner dial to realized frame by frame playback. (Only applies to some special versions.)
USB port		To connect USB storage device, USB mouse, burner and etc.
Record light	1-16	For 4/8/16 channel device: indication light on means that the channel is in recording.
Remote control indication light	ACT	Remote control indication light
Status indication light	Status	If there is Fn indication light, current status indication light is null.
Power indication light	PWR	Power indication light
IR Receiver	IR	It is to receive the signal from the remote control.

1.6 Rear Panel

1.6.1 32 Series

The rear panel is shown as below. See Figure 1-3.

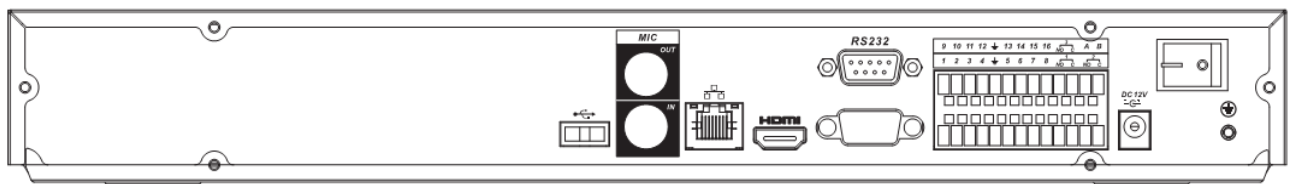


Figure 1-3

Please refer to the following sheet for detailed information.

Port Name		Connection	Function
	USB port.		Connect to USB mouse.
	Network port		10M/100M/1000M self-adaptive Ethernet port. Connect to the network cable.
RS232	232 debug COM.		It is for general COM debug to configure IP address or transfer transparent COM data.
HDMI	High Definition Media Interface		High definition audio and video signal output port. It transmits uncompressed high definition video and multiple-channel data to the HDMI port of the display device.
VGA	VGA video output port	VGA	VGA video output port. Output analog video signal. It can connect to the monitor to view analog video.
1-16	Alarm input port.	I/O port	- There are four groups. The first group is from port 1 to port 4, the second group is from port 5 to port 8, the third group is from 9 to 12, and the fourth group is from 13 to 16. They are to receive the on-off signal from the external alarm source. There are two types; NO (normal open)/NC (normal close). - When your alarm input device is using external power, please make sure the device and the NVS have the same ground.
	Alarm input port ground end		Alarm input ground end.
NO1 to NO3	3-ch alarm output port		3 groups of alarm output ports. (Group 1: port NO1~C1,Group 2:port NO2~C2,Group 3:port NO3~C3)).Output alarm signal to the alarm device. Please make sure there is power to the external alarm device. - NO: Normal open alarm output port. - C: Alarm output public end.
C1 to C3			
A	RS485 port		RS485_A port. It is the cable A. You can connect to the control devices such as speed dome PTZ.
B			RS485_B.It is the cable B. You can connect to the control devices such as speed dome PTZ.
	Power input port		Input 12V DC.
Power button			Power on/off button.

1.6.2 32-P Series/32-S Series

The rear panel of the 32-P series is shown as below. See Figure 1-4.

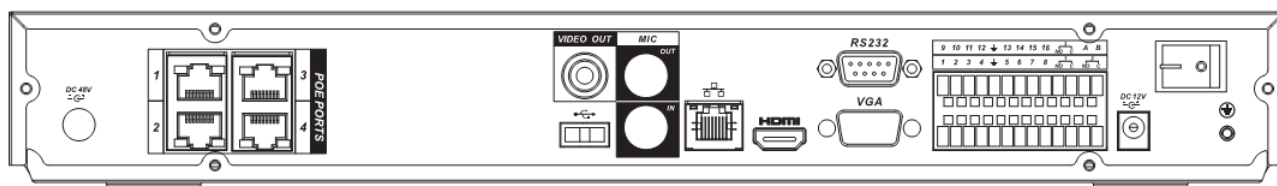


Figure 1-4

The rear panel of the 32-S series is shown as below. See Figure 1-5.

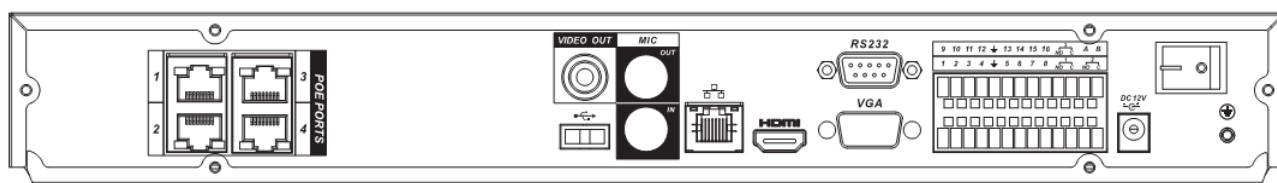


Figure 1-5

Please refer to the following sheet for detailed information.

Port Name		Connection	Function
	USB port.		Connect to USB mouse.
	Network port		10M/100M/1000M self-adaptive Ethernet port. Connect to the network cable.
RS232	232 debug COM.		It is for general COM debug to configure IP address or transfer transparent COM data.
HDMI	High Definition Media Interface		High definition audio and video signal output port. It transmits uncompressed high definition video and multiple-channel data to the HDMI port of the display device.
VGA	VGA video output port	VGA	VGA video output port. Output analog video signal. It can connect to the monitor to view analog video.
1-16	Alarm input port.	I/O port	- There are four groups. The first group is from port 1 to port 4, the second group is from port 5 to port 8, the third group is from 9 to 12, and the fourth group is from 13 to 16. They are to receive the signal from the external alarm source. There are two types; NO (normal open)/NC (normal close). - When your alarm input device is using external power, please make sure the device and the NVS have the same ground.
	Alarm input port ground end		Alarm input ground end.
NO1 to NO3	3-ch alarm output port		3 groups of alarm output ports. (Group 1: port NO1~C1, Group 2: port NO2~

Port Name		Connection	Function
C1 to C3			C2,Group 3:port NO3~C3).Output alarm signal to the alarm device. Please make sure there is power to the external alarm device. • NO: Normal open alarm output port. • C: Alarm output public end.
A	RS485 port		RS485_A port. It is the cable A. You can connect to the control devices such as speed dome PTZ.
B			RS485_B.It is the cable B. You can connect to the control devices such as speed dome PTZ.
	Power input port		Input 12V DC.
Power button			Power on/off button.
PoE PORTS			Built-in Switch supports PoE function.
	Power input port		Switch power port. Input DC 48V. Please note the 32-S series product does not have this port.
VIDEO OUT	Video input port		CVBS output
MIC IN	Audio input port		Bidirectional talk input port. It is to receive the analog audio signal output from the devices such as mike phone, pickup.
MIC OUT	Audio output port		Audio output port. It is to output the analog audio signal to the devices such as the sound box.

1.6.3 38 Series

The rear panel is shown as below. See Figure 1-6.

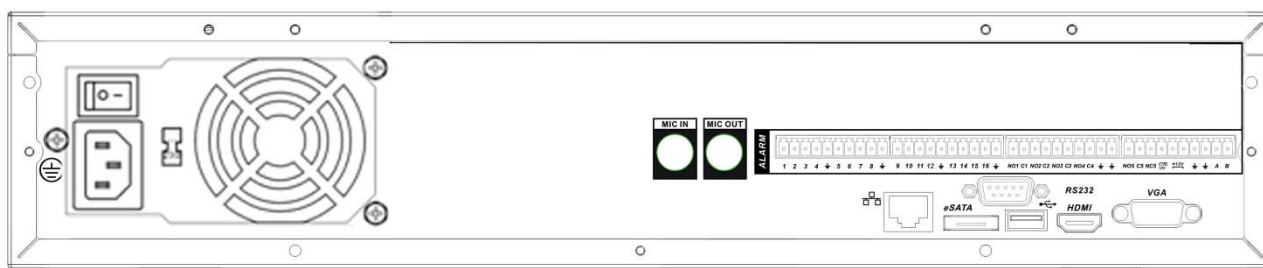


Figure 1-6

Please refer to the following sheet for detailed information.

Port Name		Connection	Function
Power button			Power on/off button.

Port Name		Connection	Function
Power input port			Input AC 220V power.
MIC IN	Audio input port		Bidirectional talk input port. It is to receive the analog audio signal output from the devices such as mike phone, pickup.
MIC OUT	Audio output port		Audio output port. It is to output the analog audio signal to the devices such as the sound box.
1-16	Alarm input port. 1-16.	I/O port	- There are four groups. The first group is from port 1 to port 4, the second group is from port 5 to port 8, the third group is from 9 to 12, and the fourth group is from 13 to 16. They are to receive the signal from the external alarm source. There are two types; NO (normal open)/NC (normal close). - When your alarm input device is using external power, please make sure the device and the NVS have the same ground.
	Ground end		Alarm input ground end.
NO1 to NO5	3-ch alarm output port		5 groups of alarm output ports. (Group 1: port NO1~C1,Group 2:port NO2~C2,Group 3:port NO3~C3, Group 4: port NO4~C4, Group 5: port NO5, C5, NC5).Output alarm signal to the alarm device. Please make sure there is power to the external alarm device. - NO: Normal open alarm output port. - C: Alarm output public end. - NC: Normal close alarm output port.
C1 to C5			
NC5			
A	RS485 port		RS485_A port. It is the cable A. You can connect to the control devices such as speed dome PTZ.
B			RS485_B.It is the cable B. You can connect to the control devices such as speed dome PTZ.
CTRL 12V			Controller 12V power output. It is to control the on-off alarm relay output. It can be used to control the device alarm output. At the same time, it can also be used as the power input source of some devices such as the alarm detector.
+12V			+12V power output port. It can provide the power to some peripheral devices such as the camera or the alarm device. Please note the supplying power shall be below 1A.

Port Name		Connection	Function
	Network port		10M/100M/1000M self-adaptive Ethernet port. Connect to the network cable.
eSATA	eSATA port		External SATA port. It can connect to the device of the SATA port. Please jump the HDD when there is peripheral connected HDD.
	USB port.		Connect to USB mouse.
RS232	232 debug COM.		It is for general COM debug to configure IP address or transfer transparent COM data.
HDMI	High Definition Media Interface		High definition audio and video signal output port. It transmits uncompressed high definition video and multiple-channel data to the HDMI port of the display device.
VGA	VGA video output port		VGA video output port. Output analog video signal. It can connect to the monitor to view analog video.

1.7 Connection Sample

Please refer to Figure 1-7 for connection sample.

The following figure is based on the 38 series product.

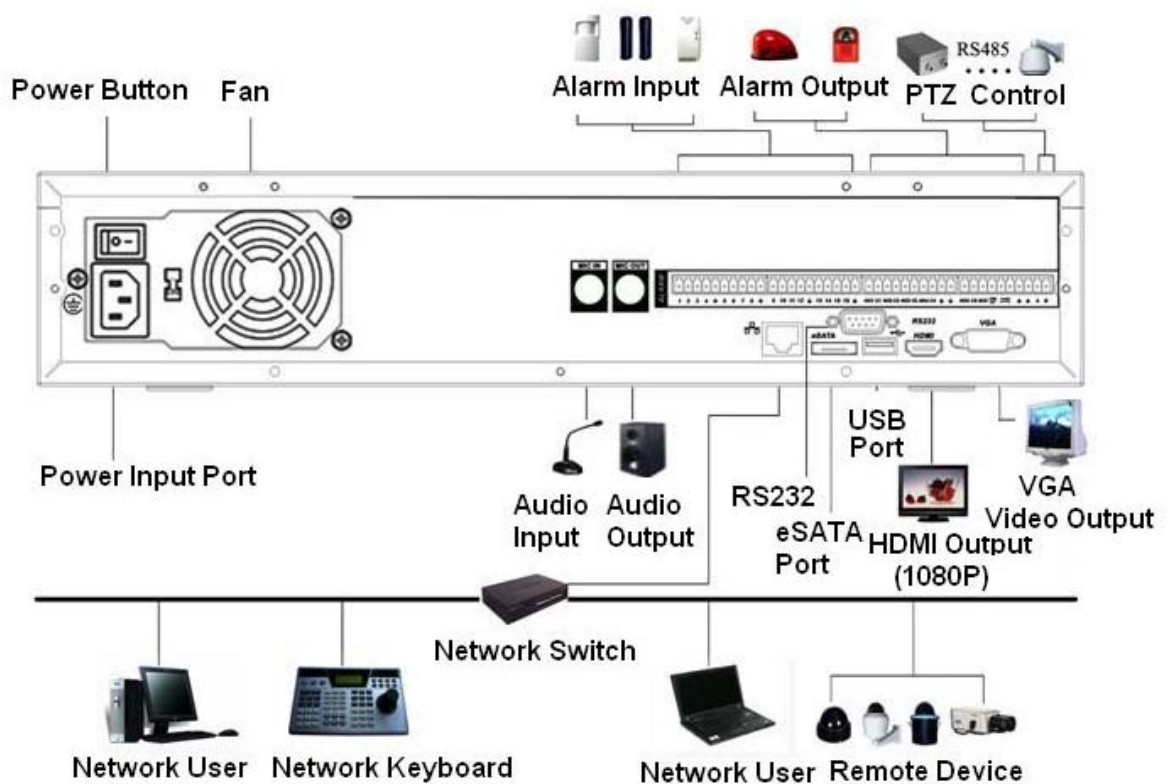


Figure 1-7

2 System Performance

This series product max supports 16-channel standard definition video/high definition non-real-time video and the transmission rate is 2mbps per channel. It can also max supports 4-channel high definition video and the transmission rate is 8mbps. The delay time of each channel is below 500ms.

Model	System Performance
4-ch series	Max support 4-channel video. Total resources:400/480fps@D1,200/240fps@720P.100/120@1080P.
8-ch series	Max support 8-channel video. Total resources:400/480fps@D1,200/240fps@720P.100/120@1080P.
16-ch series	Max support 16-channel video. Total resources:400/480fps@D1,200/240fps@720P.100/120@1080P.

Important

- The standard definition device here is referring to the devices of D1 resolution or below.
- The high definition device here is referring to the devices of 702P resolution or higher.

3 Simple GUI Operation

Connect the device to the monitor and then connect a mouse and power cable. Click the power button at the rear panel and then boot up the device to view the analog video output. You can use the mouse to implement some simple GUI operation.

3.1 Login

After device booted up, the system is in multiple-channel display mode. See Figure 3-1. Please note the displayed window amount may vary. The following figure is for reference only.

You can overlay the corresponding date, time and channel name on each screen. You can refer to the following sheet for channel record or alarm status information.

1		Recording status	3		Video loss
2		Motion detection	4		Camera lock

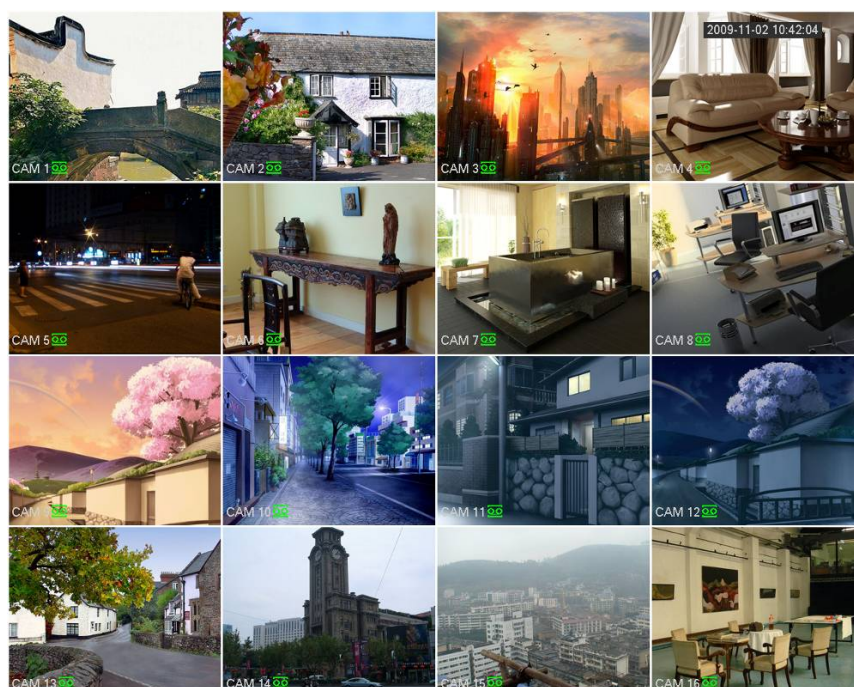


Figure 3-1

Right click mouse, you can see the login interface. Please input user name and password. See Figure 3-2. System consists of four accounts:

- **Username:** admin. **Password:** admin.
- **Username:** 888888. **Password:** 888888.
- **Username:** 666666. **Passwords:** 666666.
- **Username:** default. **Password:** default.

You can use USB mouse to input. Click  to switch between numeral, English character (small/capitalized) and denotation.



Figure 3-2

Important:

For security reason, please modify password after you first login.

Within 30 minutes, three times login failure will result in system alarm and five times login failure will result in account lock!

3.2 System Setting-Schedule

After the system booted up, it is in default 24-hour regular mode. You can set record type and time in schedule interface.

In the main menu, from Setting to Schedule, you can go to schedule menu. See Figure 3-3.

There are total six periods.

- Channel: Please select the channel number first. You can select “all” if you want to set for the whole channels.
- Week day: There are eight options: ranges from Saturday to Sunday and all.
- Pre-record: System can pre-record the video before the event occurs into the file. The value ranges from 1 to 30 seconds depending on the bit stream.
- Redundancy: System supports redundancy backup function. You can highlight Redundancy button to activate this function. Please note, before enable this function, please set at least one HDD as redundant.
- Snapshot: You can enable this function to snapshot image when alarm occurs.
- Record types: There are four types: regular, motion detection (MD), Alarm, MD & alarm.

Please highlight icon  to select the corresponding function. After completing all the setups please click save button, system goes back to the previous menu.

At the bottom of the menu, there are color bars for your reference. Green color stands for regular recording, yellow color stands for motion detection and red color stands for alarm recording. The white means the MD and alarm record is valid. Once you have set to record when the MD and alarm occurs, system will not record neither motion detect occurs nor the alarm occurs.



Figure 3-3

Tips

- Copy function: This function allows you to copy one channel setup to another. After setting in channel 1, you can click paste button and turn to channel 2 and then click copy button. You can finish setting for one channel and then click save button or you can finish all setup and then click save button to memorize all the settings.

3.3 System Setting-Network Setup

Here is for you to input network information. See Figure 3-4.

- IP address: Here you can input IP address. Please use the up/down button or input the corresponding number to change the IP address and then set the subnet mask and default gateway.
- DHCP: It is auto search IP function. When enable DHCP function, you can not modify IP/Subnet mask /Gateway. These values are from DHCP function. If you have not enabled DHCP function, IP/Subnet mask/Gateway display as 0. You need to disable DHCP function to view current IP information. Besides, when PPPoE is operating, you can not modify IP/Subnet mask /Gateway.
- TCP port: Default value is 37777. You can change if necessary.
- UDP port: Default value is 37778. You can change if necessary.
- HTTP port: Default value is 80.
- RTSP port: Default value is 554.
- Max connection: system support maximal 20 users. 0 means there is no connection limit.
- Preferred DNS server: DNS server IP address.
- Alternate DNS server: DNS server alternate address.
- Transfer mode: Here you can select the priority between fluency/video qualities.
- LAN download: System can process the downloaded data first if you enable this function. The download speed is 1.5X or 2.0X of the normal speed.

After completing all the setups please click save button, system goes back to the previous menu.

NETWORK

IP Address: 10 . 6 . 13 . 45 ☐ DHCP

Subnet Mask: 255 . 255 . 0 . 0

Gateway: 10 . 6 . 0 . 1

TCP Port: 37777 HTTP Port: 80

UDP Port: 37778 RTSP Port: 554

Preferred DNS: 8 . 8 . 8 . 8

Alternate DNS: 8 . 8 . 4 . 4

☐ Transfer Mode: Latency

☐ LAN Download Max Connection: 20

ADVANCED SETTING

☐ IP FILTER	Trusted Sites:0
☐ NTP	time.windows.com : 1440
☐ MULTICAST	239.255.42.42
☐ PPPOE	

Default Save Cancel

Figure 3-4

3.4 System Setting-PTZ

Please note:

- Slight difference may be found in the user's interface, due to various protocols.
- Please make sure the speed domes A/B cables are properly connected to the A/B ports of NVR.
- You have properly set PTZ information.(Main menu->Setting->PTZ).
- Please switch camera monitor channel to current window.

3.4.1 PTZ Setup

The pan/tilt/zoom setup includes the following items. Please select channel first. See Figure 3-5.

- Channel: Please select the IPC connected IPC.
- PTZ type: Please select from the dropdown list.
- Protocol: Select corresponding PTZ protocol such as PELCOD.
- Address: Input corresponding PTZ address.
- Baud rate: Select baud rate. Default value is 9600.
- Data bit: Select data bit. Default value is 8.
- Stop bit: Select stop bit. Default value is 1.
- Parity: There are three choices: none/odd/even. Default value is none.

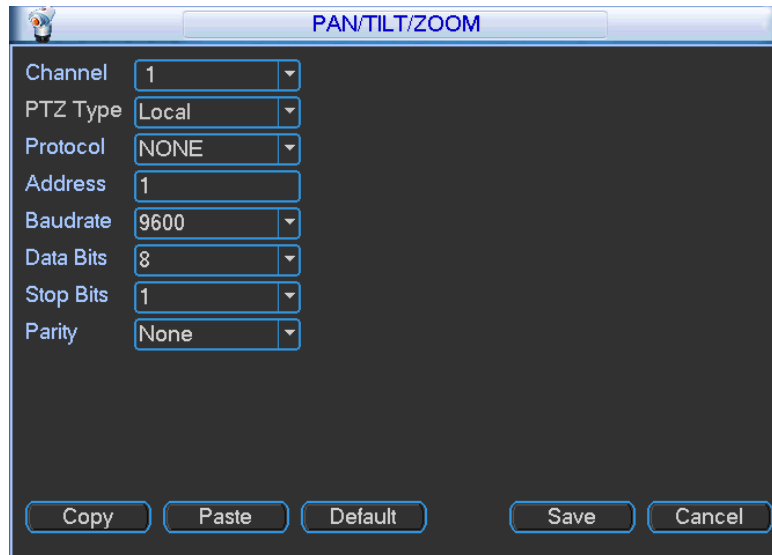


Figure 3-5

After completing all the setups please click save button, system goes back to the previous menu.

3.4.2 PTZ Operation

In one window display mode, right click mouse (click “Fn” Button in the front panel or click “Fn” key in the remote control).

Click Pan/Tilt/Zoom, the interface is shown as below. See Figure 3-6.

Here you can set the following items:

- Step: value ranges from 1 to 8.
- Zoom
- Focus
- Iris

Please note current command is grey if current series product does not support this function. Double click the PTZ menu head to hide the it.

Click icon  and  to adjust zoom, focus and iris.

Here you can set PTZ direction, speed (step), focus, zoom, iris, preset, tour, pattern, scan, aux call, light, rotation and etc. Please use the direction keys to set.



Figure 3-6

In Figure 3-6, please click direction arrows (See Figure 3-7) to adjust PTZ position. There are total 8 direction arrows. Please note if you use front panel, you can use just four directions (Up/down/left/right). The speed value ranges from 1 to 8. You can click the software keyboard or the front panel to input. The speed 8 is faster than speed 1.

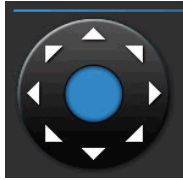


Figure 3-7

Here is a sheet for you reference.

Name	Function key	function	Shortcut key	Function key	function	Shortcut Key
Zoom		Near	▶		Far	▶▶
Focus		Near	◀		Far	▶▶
Iris		close	◀		Open	▶

You can click set button in Figure 3-6 (or click REC button in the front panel) to set preset, tour, and pattern.

You can click page switch button in Figure 3-6 (or click Fn button in the front panel) to call main function.

3.5 Advanced-HDD Management

Here is for you to view and implement hard disk management (main menu->Advanced->HDD management). See Figure 3-8.

You can see current HDD type, status, capacity and record time. The operation includes format HDD, resume from error or change HDD property (Read/write HDD, read-only HDD). It can also set the HDD alarm and HDD specified storage setup.

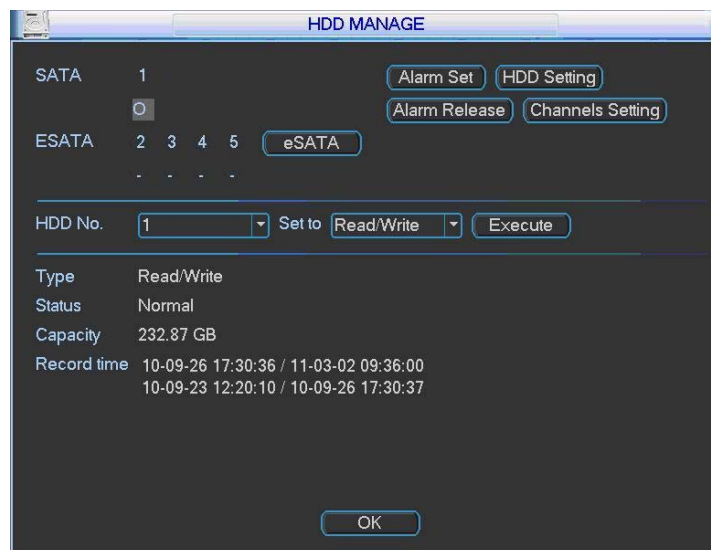


Figure 3-8

3.6 System Setting-Alarm

Before the operation, please make sure you have properly connected the alarm devices.

Alarm interface is shown as below. See Figure 3-9.

- Alarm in: Here is for you to select channel number.
- Event type: There are two types. One is local input and the other is network input.

- Type: Normal open or normal close.
- Period: Click set button, you can set alarm period. System can only generate an alarm in the specified period. There are six periods in one day.

Please highlight icon  to select the corresponding function. After setting all the setups please click save button, system goes back to the previous menu.

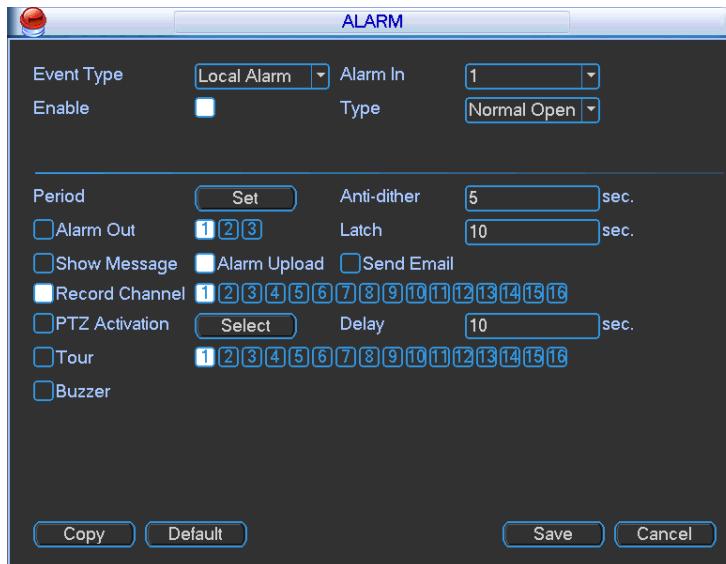


Figure 3-9

3.7 Remote Device

3.7.1 UPNP

Please connect the IPC to the PoE port of the device rear panel (Figure 3-10), system can auto connect to the IPC.

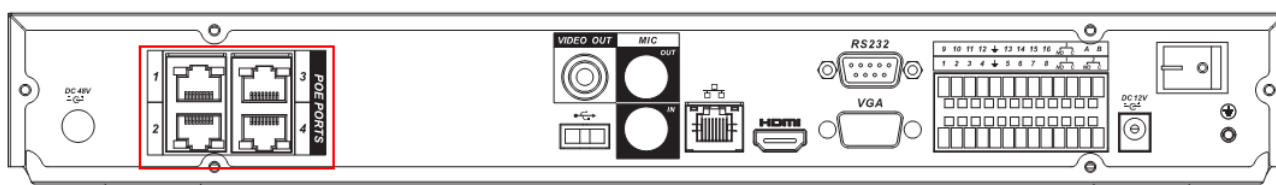


Figure 3-10

3.7.2 Built-in Switch Setup

From Network->Network Server->Switch, you can set switch IP address, subnet mask, gateway and etc. See Figure 3-11.

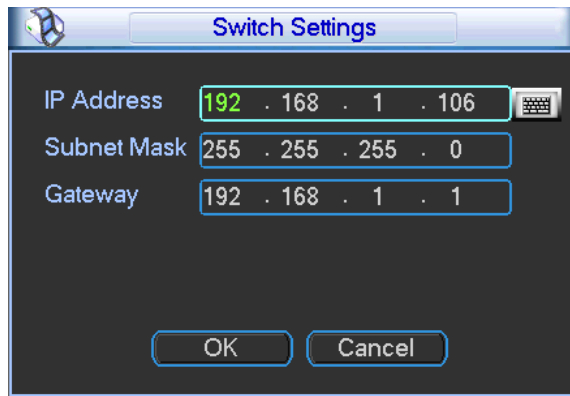


Figure 3-11

3.7.3 Remote Device

In the main menu, click the Remote Device icon to go to the corresponding interface. See Figure 3-12.



Figure 3-12

The remote device interface is shown as in Figure 3-13.

- IP search: Click it to search IP address.
- Add: Click it to connect to the selected device and add it to the Added device list. Support Batch add.
- Show filter: You can use it to display the specified devices from the added device.
- Delete: Please select one device in the Added device list and then click it to remove.
- Manual add: Click it to add the IPC manually. The port number is 37777. The default user name is **admin** and password is **admin**.

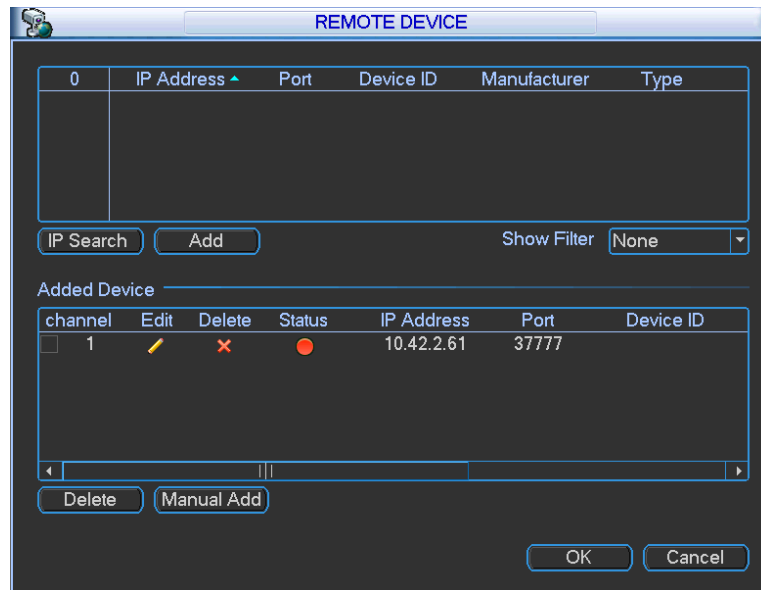


Figure 3-13

Click the Manual Add button; you can go to the following interface. See Figure 3-14.

This series product max supports 16-channel standard definition video/high definition non-real-time video and the transmission rate is 2mbps per channel. It can also max supports 4-channel high definition video and the transmission rate is 8mbps. The delay time of each channel is below 500ms.

Model	System Performance
4-ch series	Max support 4-channel video. Total resources:400/480fps@D1,200/240fps@720P.100/120@1080P.
8-ch series	Max support 8-channel video. Total resources:400/480fps@D1,200/240fps@720P.100/120@1080P.
16-ch series	Max support 16-channel video. Total resources:400/480fps@D1,200/240fps@720P.100/120@1080P.

This series product supports the IPC from many popular manufactures such as Sony, Hitachi, Axis, Samsung, and Dahua.

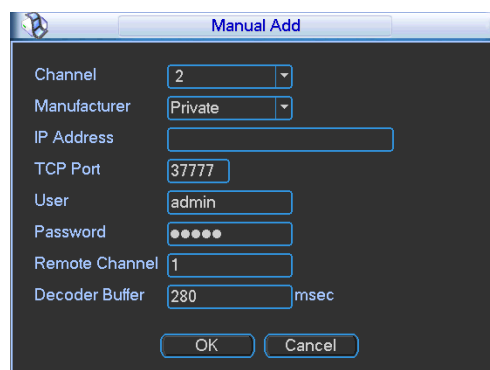


Figure 3-14

3.7.3.1 Short-cut Menu

In the preview interface, for the channel of no IPC connection, you can click the icon “+” in the centre of the interface to quickly go to the Remote Device interface. See Figure 3-15 and Figure 3-16.

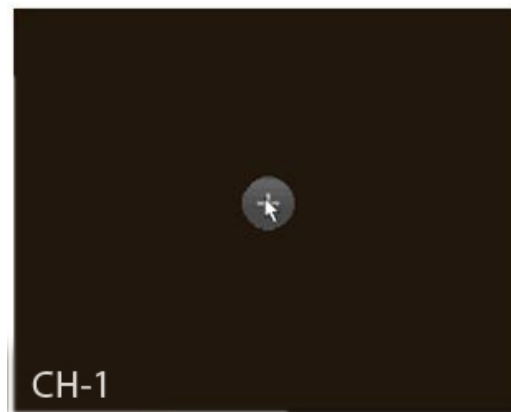


Figure 3-15

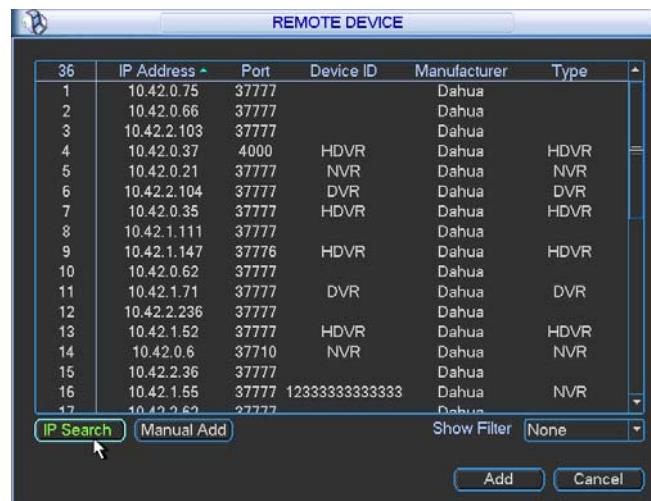


Figure 3-16

3.7.3.2 Remote Device Info

Please go to the main menu->system info, click the remote device info button to view the detailed information. See Figure 3-17.

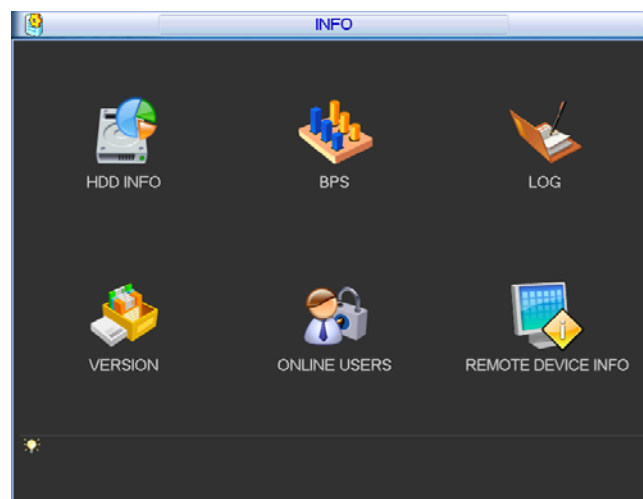


Figure 3-17

Here you can view the channel status of the remote device, connection log and network balance information and etc.

Channel status: Here you can view the IPC status of the corresponding channel such as motion detect, video loss, camera masking, alarm and etc. See Figure 3-18.

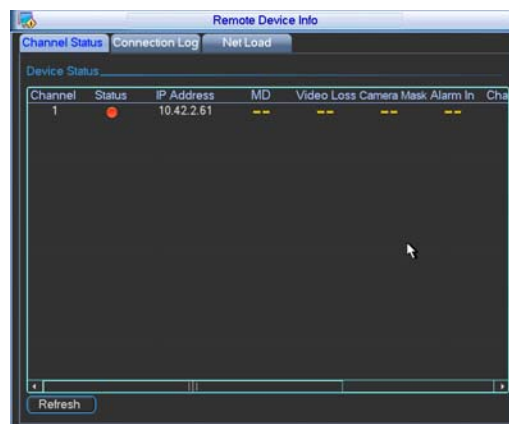


Figure 3-18

Connection log: In this interface, you can search the IPC log information of the corresponding channel. It includes IPC online, offline and etc. See Figure 3-19.

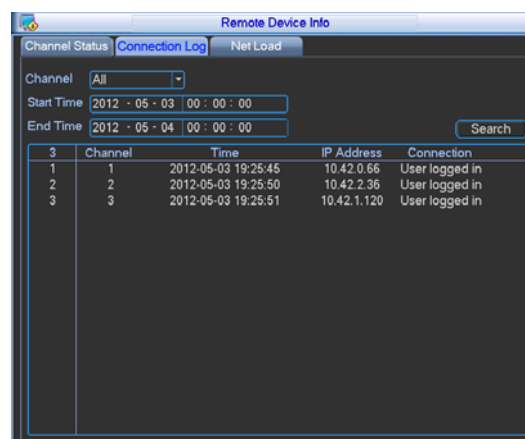


Figure 3-19

Network Balance: Here you can view network data transmission speed, receive speed. See Figure 3-20.



Figure 3-20

4 Web Client Operation

Slightly difference may be found in the interface due to different series.

4.1 Network Connection

Before web client operation, please check the following items:

- Network connection is right
- NVR and PC network setup is right. Please refer to network setup.
- Use order ping `***.***.***.***`(* NVR IP address) to check connection is OK or not. Usually the return TTL value should be less than 255.
- System can automatically download latest web control and the new version can overwrite the previous one.
- If you want to un-install the web controls, please run `uninstall webrec2.0.bat` to auto delete the control or you can go to `C:\Program Files\webrec` to delete Single folder.

4.2 Login

Open IE and input NVR address in the address column. For example, if your NVR IP is 10.10.3.16, then please input `http:// 10.10.3.16` in IE address column.

System pops up warning information to ask you whether install webrec.cab control or not. Please click yes button.

If you can't download the ActiveX file, please modify your IE security setup.

After installation, the interface is shown as below. See Figure 4-1.

Please input your user name and password.

Default factory name is admin and password is admin.

Note: For security reasons, please modify your password after you first login.

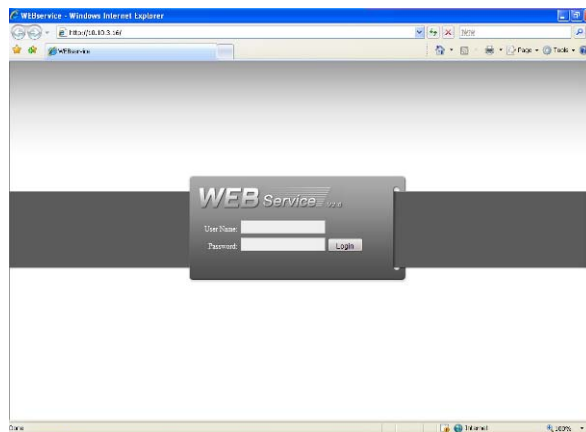


Figure 4-1

4.3 Main Window

After you logged in, you can see the main window. See Figure 4-2.

Click the channel name on the left side; you can view the real-time video.

For detailed operation information, please refer to the *User's Manual* included in the resources CD.



Figure 4-2

Please refer to the Web operation manual included in the resources CD for detailed information.

Appendix Toxic or Hazardous Materials or Elements

Component Name	Toxic or Hazardous Materials or Elements					
	Pb	Hg	Cd	Cr VI	PBB	PBDE
Sheet Metal(Case)	○	○	○	○	○	○
Plastic Parts (Panel)	○	○	○	○	○	○
Circuit Board	○	○	○	○	○	○
Fastener	○	○	○	○	○	○
Wire and Cable/AC Adapter	○	○	○	○	○	○
Packing Material	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

Note

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes.

Note

- For detailed operation introduction, please refer to our resource CD included in your package for electronic version of the *User's Manual*.
- Slight difference may be found in user interface.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.