

Video Matrix Platform Quick Start Guide

V 1.0.1

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Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning:

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- 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.

1 Open-Package Inspection and Wiring

1.1 Inspection Procedure

Step 1. When you receive video matrix platform, please check for obvious external damage. The material of product package should be able to protect the product from majority impacts during transportation.

Step 2. Secondly please open the package, and check all accessories see if any part is missing. You may refer to accompanied accessory bag. After you have checked that all parts are included, you may remove protector on device.

Step 3. Thirdly, please open device case to check front panel's wiring, power line and see if the connection between mainboard and interface board is loose.

Label at side of the device case has information of product SN, which is needed if you ask for after sales service. Please keep the label, and do not damage or abandon it.

1.2 Introduction to Compression Cards in System

No.	Name	Model	Functional Module	Description	Note
1	Platform Host	Video Matrix Platform-4U-E	Video matrix platform host	1) 1 4U host, support 10 Function Cards 2)1 MBC0004 main control panel 3)1 control panel 4)1 built-in power adaptor	Standard (dual-redundant power optional)
2	Input Module	VEC0804HS	HD-SDI video encoding card	1)8-ch HD-SDI video input (BNC) 2)2-ch RS485 interface	Optional
		VEC0404HD	HD DVI video encoding card	4-ch DVI video input	Optional (support DVI, VGA, HDMI)
		VEC0804HC	HDCVI encoding card	8-ch BNC video input (HDCVI)	Optional
		VEC0404HV	HD VGA encoding card	4-ch VGA video input	Optional
		VEC0404HH	HDMI encoding card	4-ch HDMI video input	Optional
		VEC3204FB	CVBS encoding card	1. 32-ch CVBS video input 2. 2-ch RS485 port	Optional
3	Output Module	VDC0404UD	4K decoding card	4-ch DVI video output port	Optional
		VDC0605H	HDMI decoding card	6 HDMI video output port	Optional

1.3 Unit Intro

1.3.1 Front

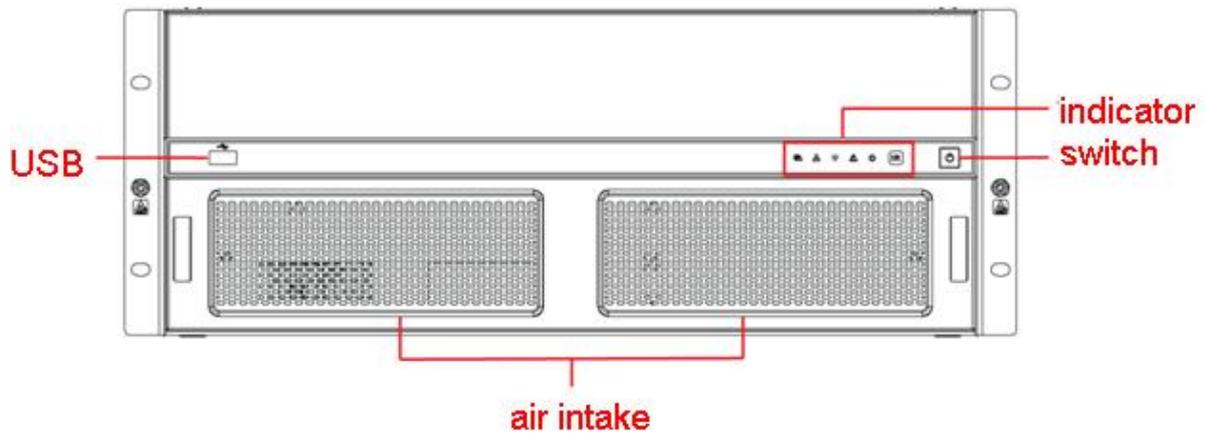


Figure 1- 1

1.3.2 Rear

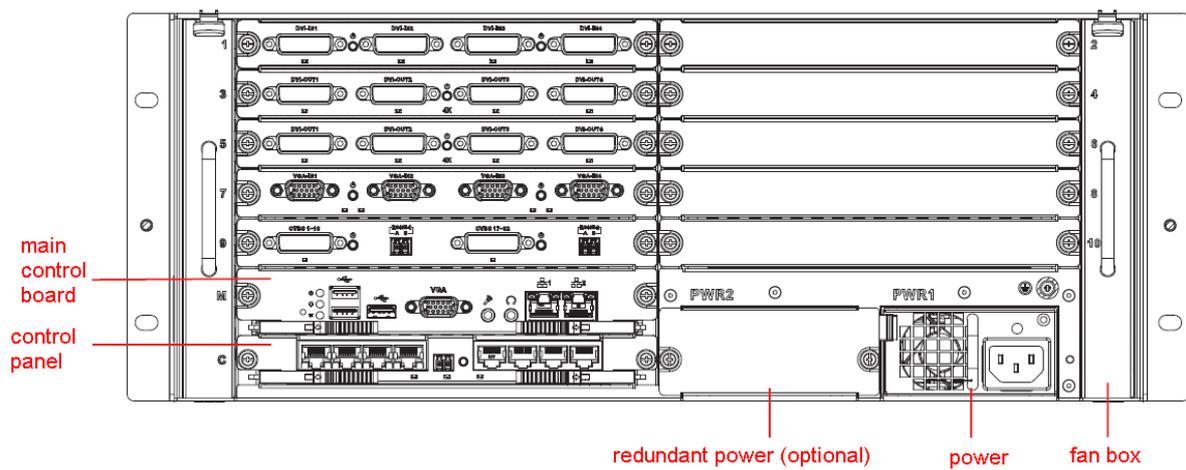


Figure 1- 2

1.3.2.1 Main Control Board

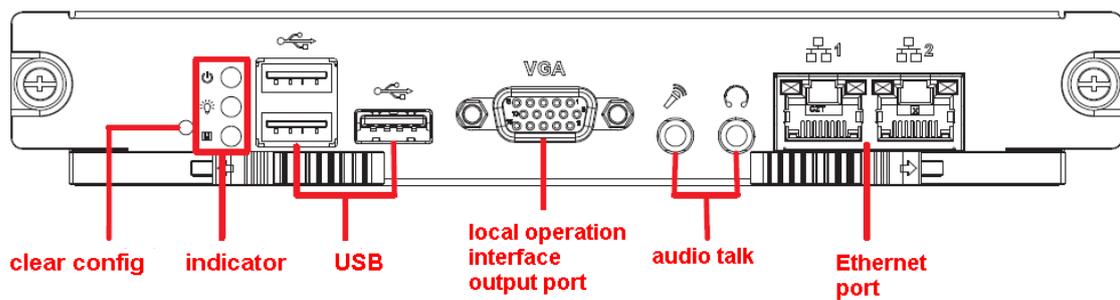


Figure 1- 3

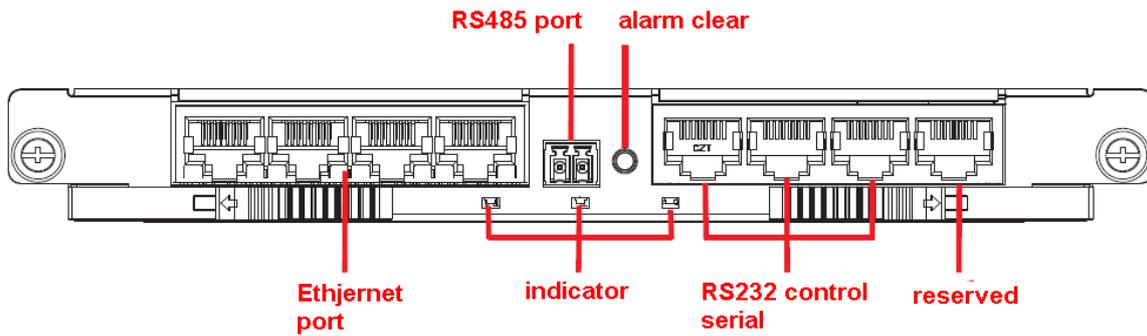


Figure 1- 4

1.4 Simple Installation Step

Step 1. Take down interface cover on rear board of case.

Warning;

Before you insert card, you must take down interface cover, which is black.

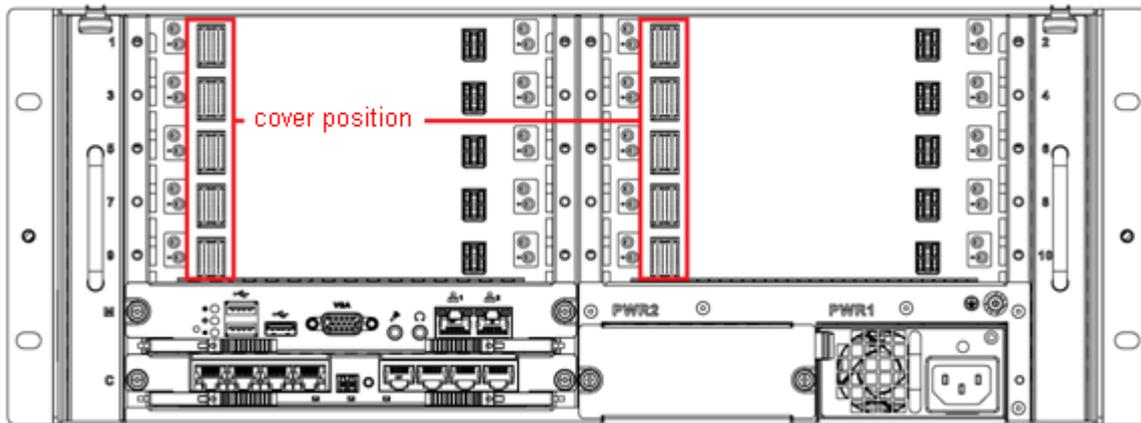


Figure 1- 5

Step 2. Insert main control board and control panel into slots on device chassis in accordance with positions in the following figure, and fasten screw.

Insert operation board into slot and fasten screw as you need.

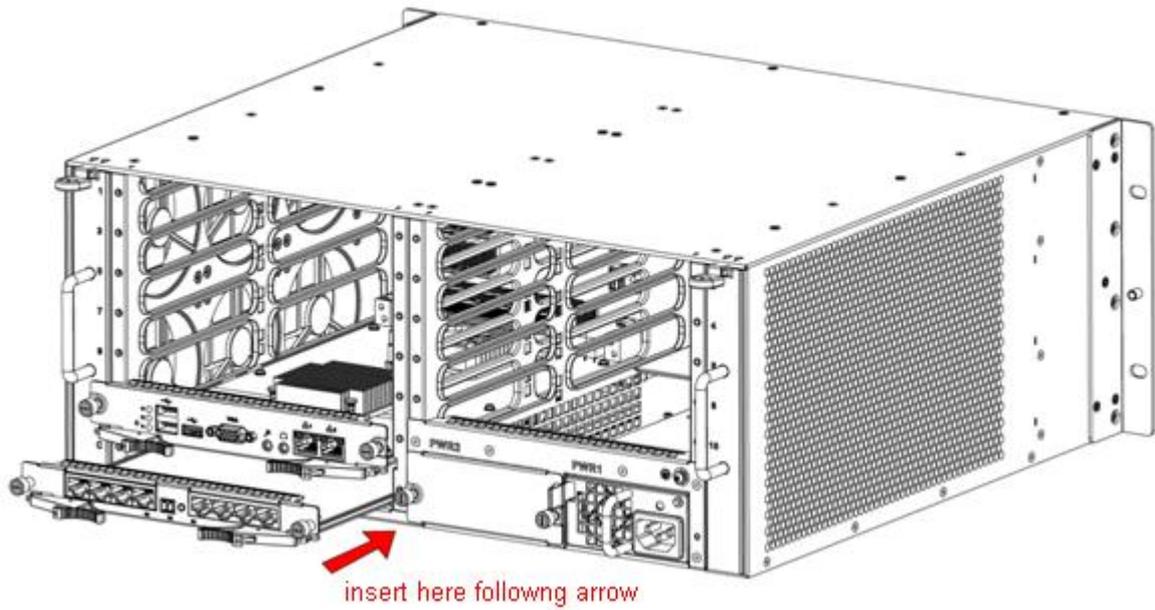


Figure 1- 6

Warning:

When you insert main control board and control panel, you must pull the extraction tool outward, and push inward with the tool, place card in place.

Step 3. Insert left and right fans separately into corresponding positions, until the top bulk is fastened.

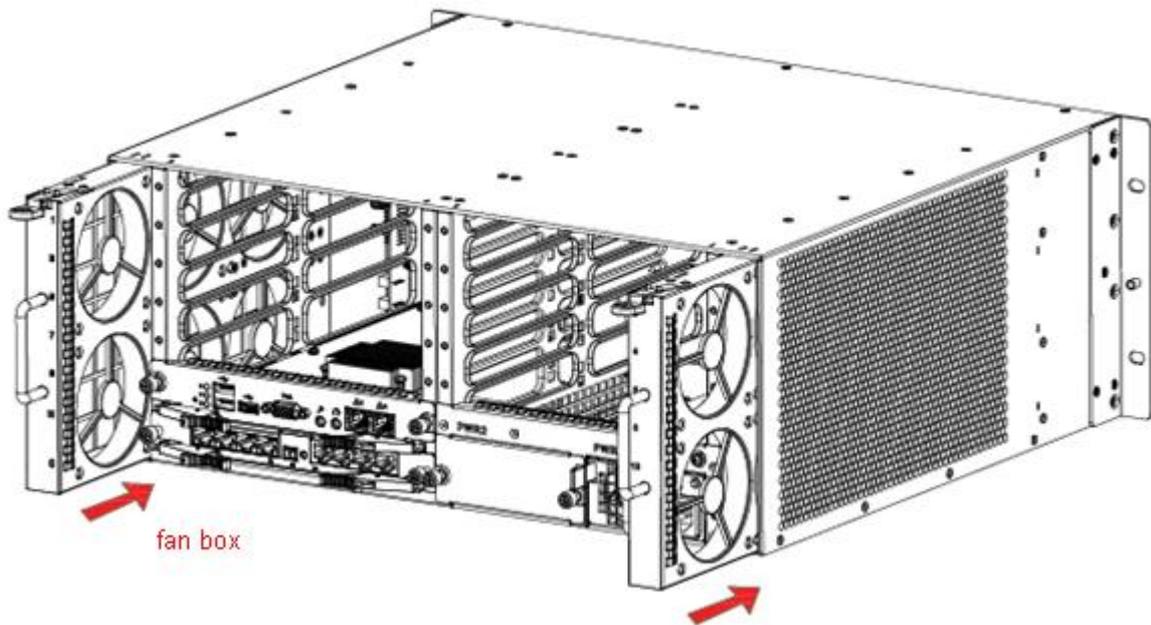


Figure 1- 7

Step 4. Insert power.

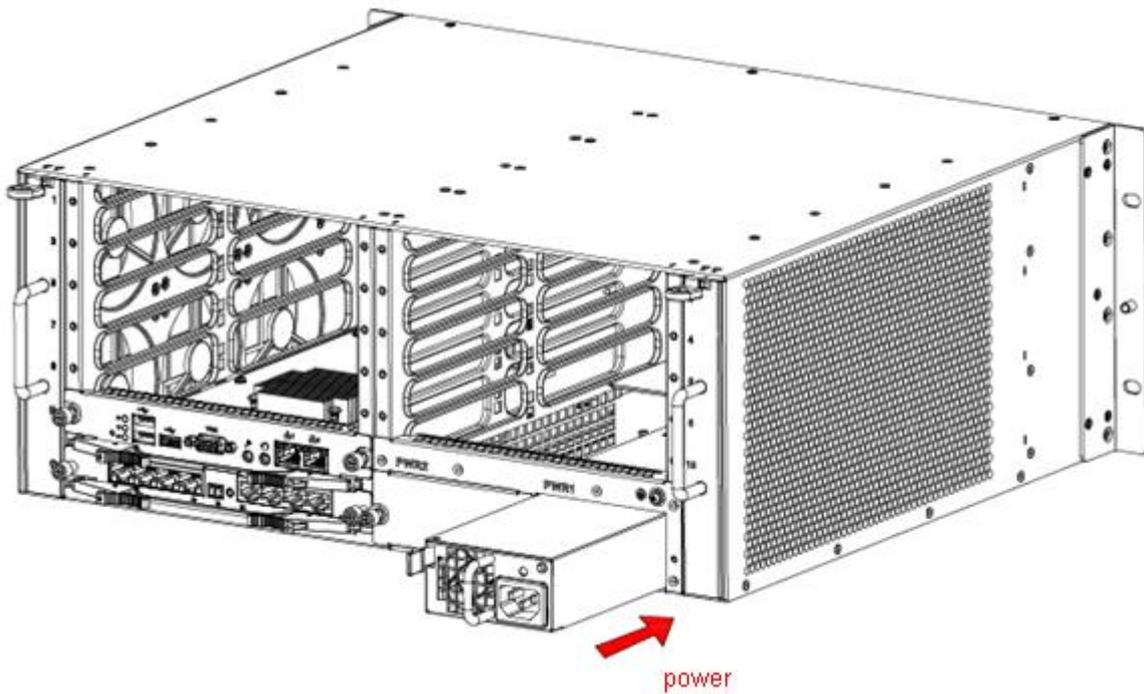


Figure 1- 8

Step 5. Connect Ethernet port 2 on main control board to Ethernet port on control panel with Gigabit cable, and connect Ethernet port 1 on main control board to network of client.

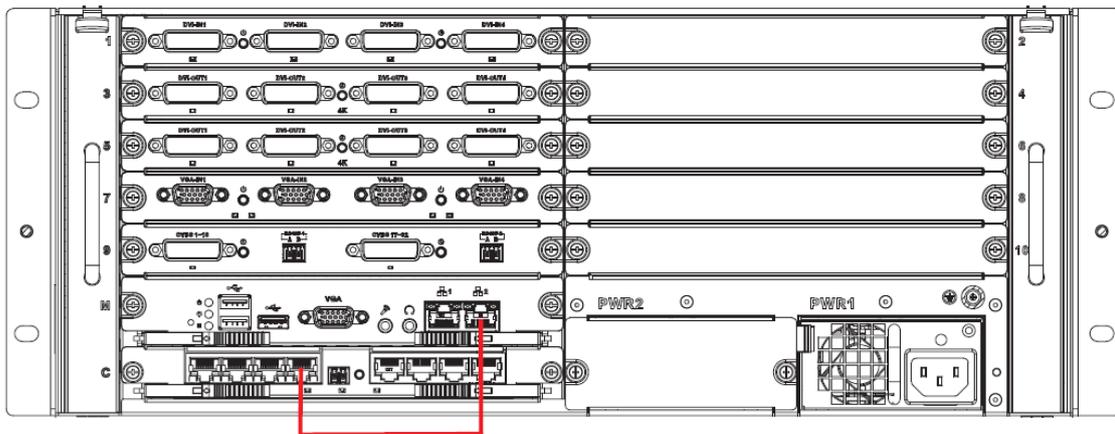


Figure 1- 9

Step 6. According to actual need connect each cable.

Warning:

To guarantee normal operation, you shall connect network interface 2 on main control board to any interface on control panel via Ethernet cable.

Step 7. After installation is complete, plug power line and press boot up button on device.

2 Local Interface Basic Operation

Note:

You will need a monitor and other control devices (such as mouse, keyboard) connected to the device in order to operate the device.

2.1 Boot Up Device

Plug in power line, and press power switch on front panel. Power indicator turns on and device boots up followed by boot interface which lasts for 90s.

When you boot up device, please keep the following in mind:

- 1) Make sure whether the supplied voltage is within 100~240V 47~63Hz. Turn on the device after you check power line connection.
- 2) We recommend you to use power supply with stable voltage and little interference (refer to international standard), which benefit the device to work stably and last longer. This will also benefit external devices such as camera. UPS is the best choice if possible.

2.2 Shut Down Device

1. Enter main menu → in shutdown system select shutdown device.
2. Press ON button on panel for 5s to shutdown.

Warning:

- **Method 1 is recommended.**
- **Stop all performance of the device, and then you may unplug the device from power supply.**

2.3 Startup Wizard

Step 1. When device boots up as normal, system will auto pop up startup wizard, see Figure 2- 1.

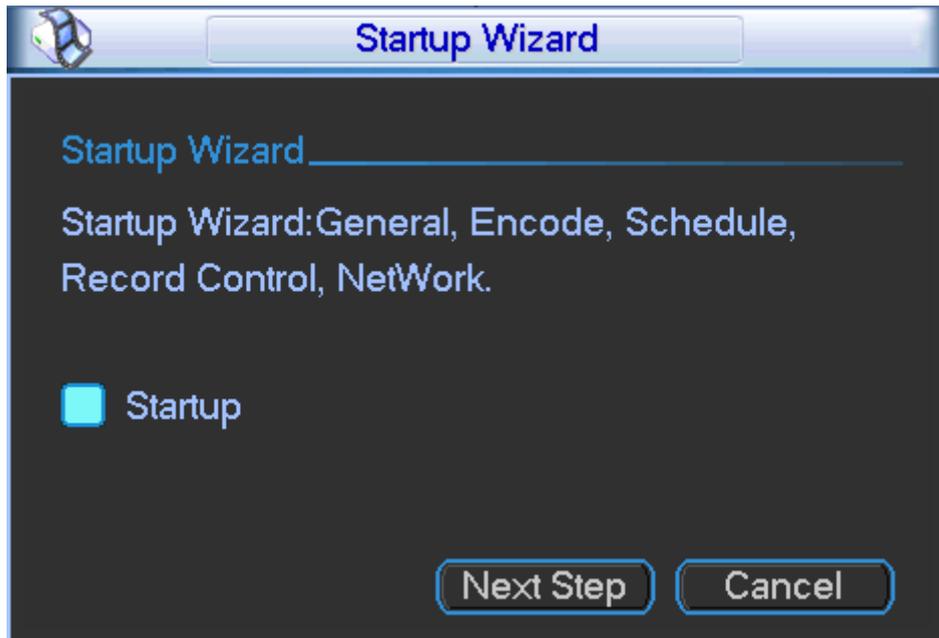


Figure 2- 1

Step 2. Click Next Step to enter login interface, see Figure 2- 2.

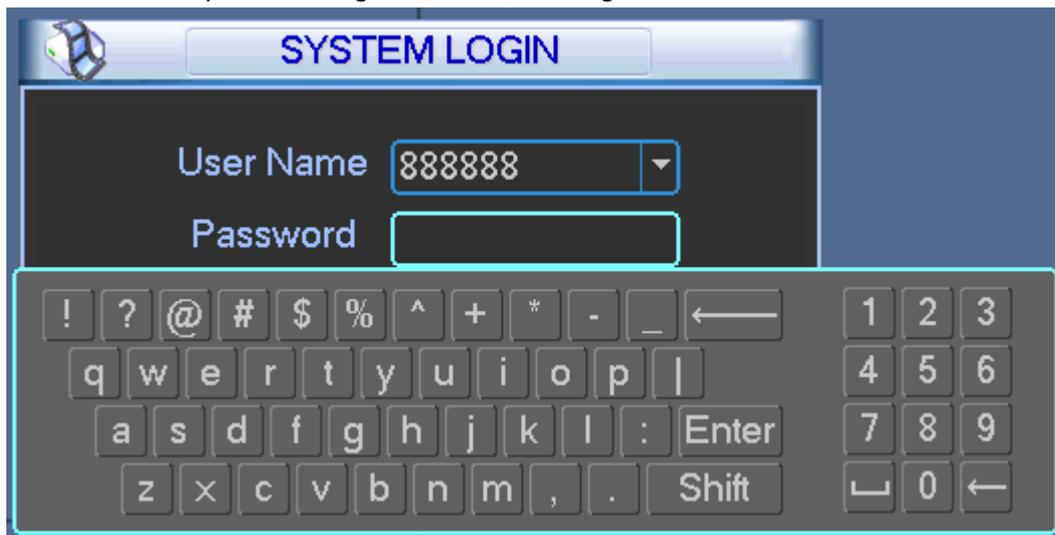


Figure 2- 2

Step 3. User enter username and password, then click OK. System will enter general setup interface. See Figure 2- 3.

System consists of four accounts (defaulted):

- **Username:** admin. **Password:** admin. (administrator, local and network)
- **Username:** 888888. **Password:** 888888. (administrator, local only)
- **Username:** 666666. **Passwords:** 666666(Lower authority user who can only monitor, playback, backup and etc.)
- **Username:** default. **Password:** default(hidden user)

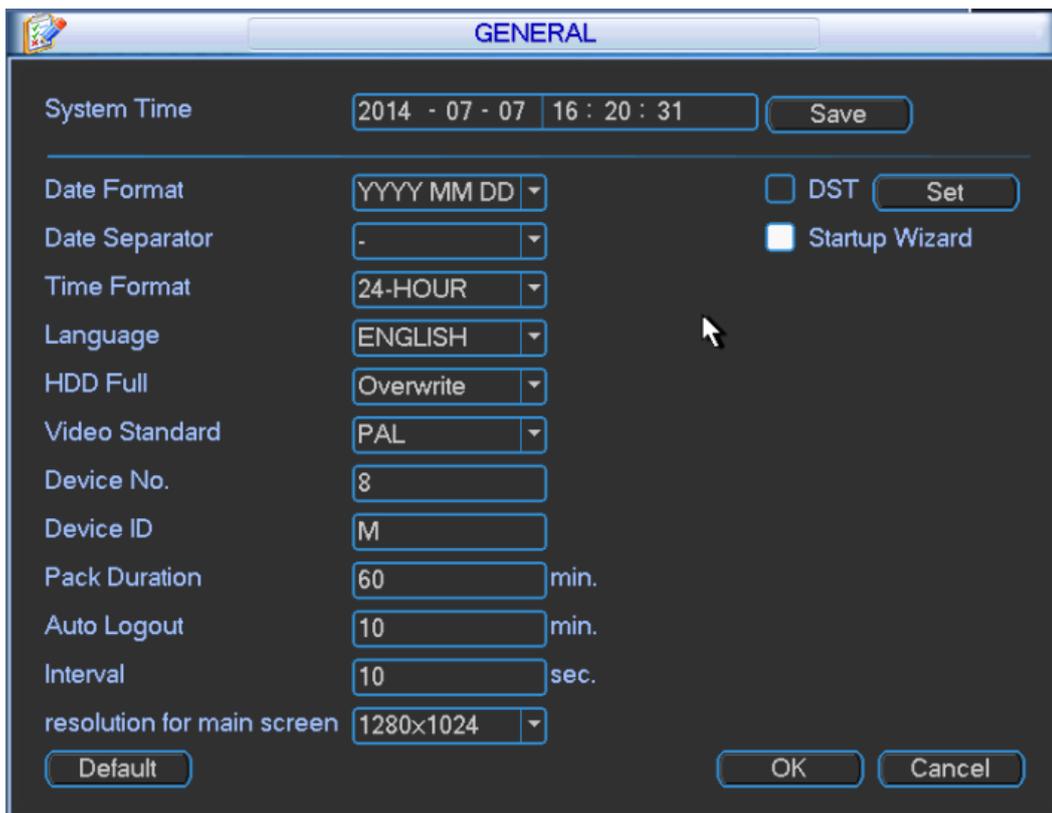


Figure 2- 3

Step 4. After configuration is done, click Next Step. System enters encoding setup interface. See Figure 2- 4.

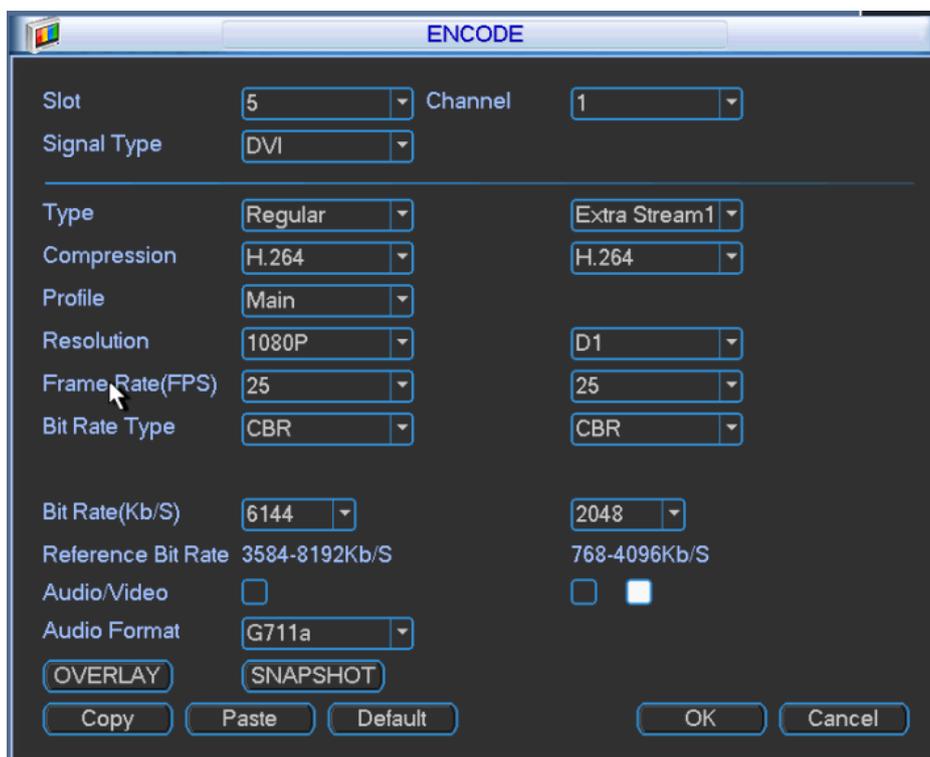


Figure 2- 4

Step 5. After configuration is done, click Next Step. System enters record setup interface. See Figure 2- 5 and Figure 2- 6.

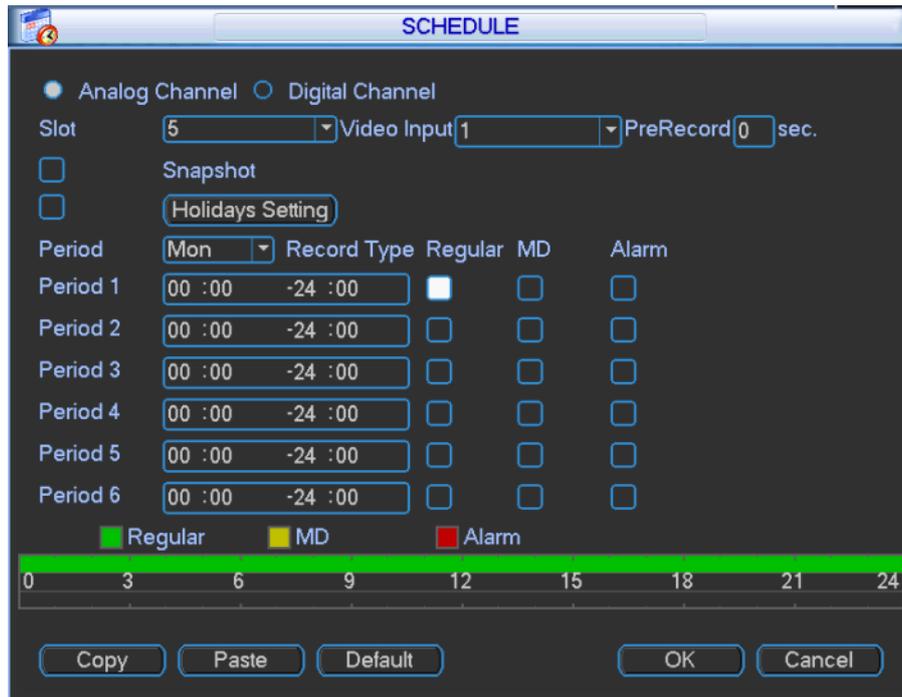


Figure 2- 5



Figure 2- 6

Step 6. After configuration is done, click Next Step. System enters record control interface. See Figure 2- 7.

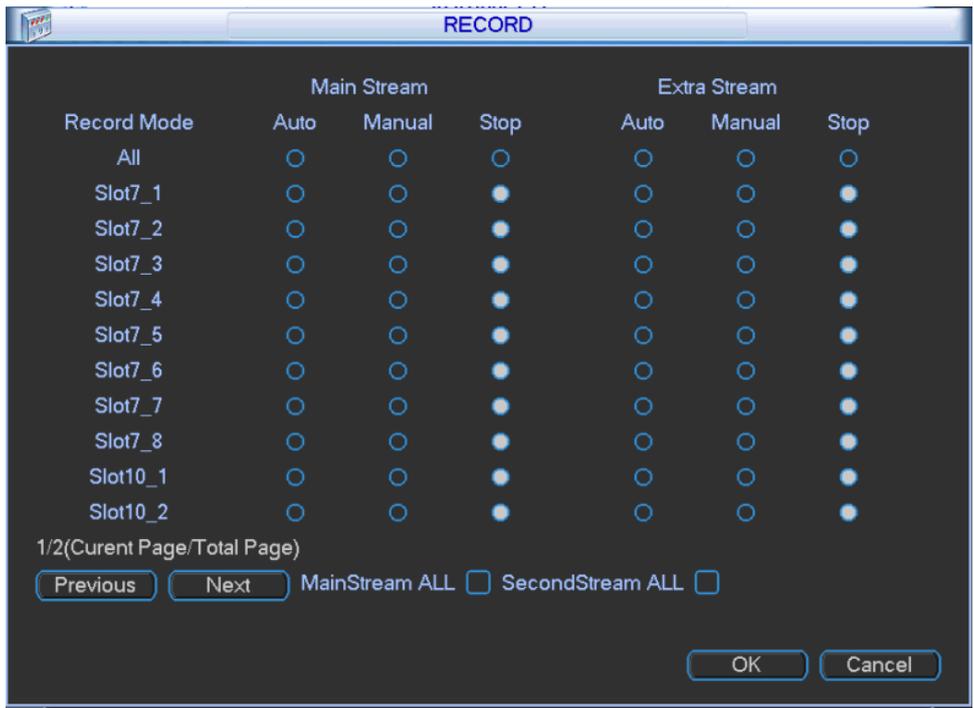


Figure 2- 7

Step 7. Set record mode, and when you are done with configuration, click Next Step. System enters network setup interface. See Figure 2- 8.

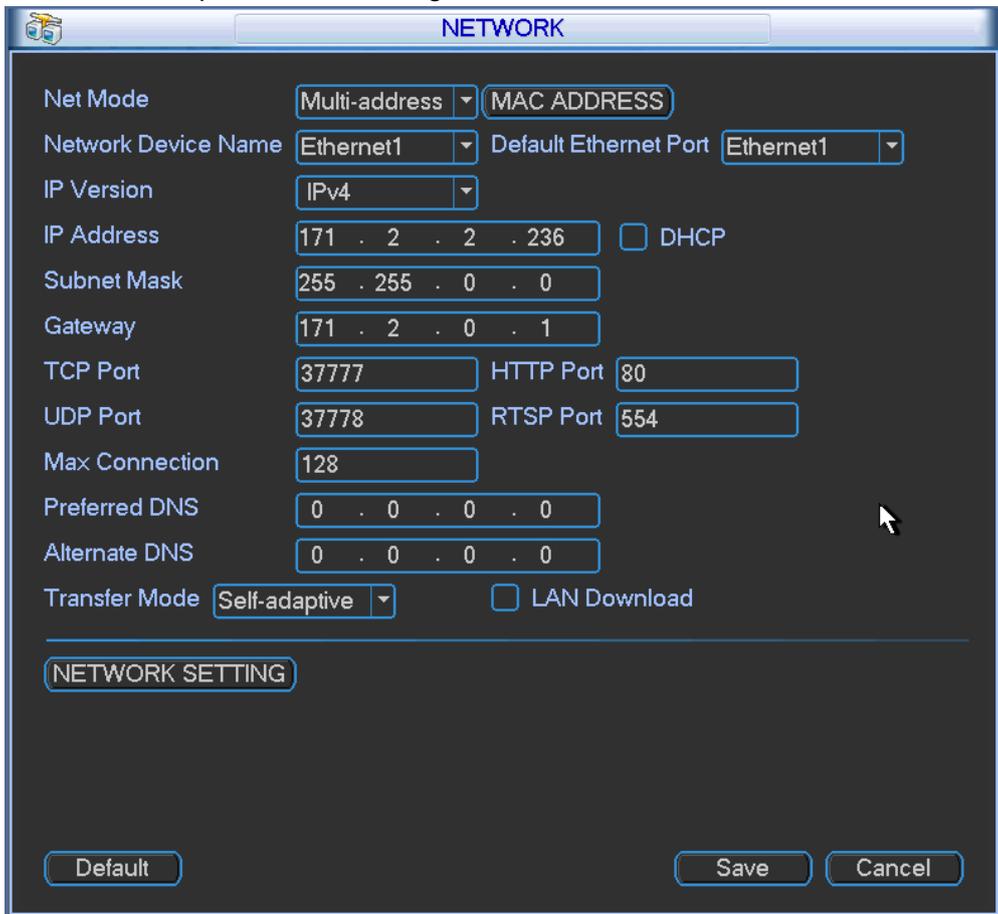


Figure 2- 8

Step 8. Set IP address and etc, click Finish.

Step 9. In system confirmation box, click OK to complete the startup wizard.

3 WEB Interface Basic Operation

3.1 Network Connection

Before web client operation, please check the following items:

Step 1. Network connection is right for the device and PC.

Step 2. PC network setting is right, including IP address, subnet mask and gateway. (If there is no router in network, then allocate IP address in same net section. Otherwise, set gateway and subnet mask.) Please refer to Chapter 3: main menu → setting → network.

Step 3. Use order ping *****.***.***.***** (IP address) to check connection is OK or not. Usually the return TTL value equal to 64.

Step 4. Set Internet Explorer: Tools-Internet Option-Security-Custom Level. Enable or prompt ActiveX and plug-in. IE7 and IE8 are preferred.

Step 5. Open the IE and then input IP address.

Step 6. It pops up security box asking you whether you accept webrec.cab control unit, please select “accept”, and system will start to install.

If system forbid this download, please check if there is other plug-in blocking the download and meantime lower IE browser security level.

Note:

When device upgrades new program, and before you open WEB, you must delete original control unit and then open WEB.

To delete control: go to C:\Program Files and select “webrec” folder.

3.2 Login

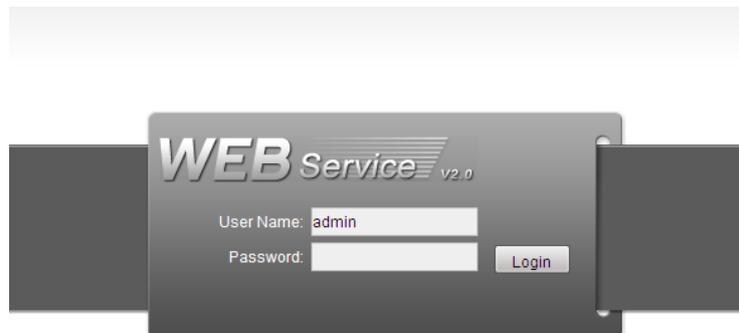


Figure 3- 1

Open IE and input address in the address field. For example, if your IP is 10.43.200.141, then please input [http:// 10.43.200.141](http://10.43.200.141) in IE address field and press enter. Please see Figure 3- 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.

You will see the following interface after successful login in Figure 3- 2.

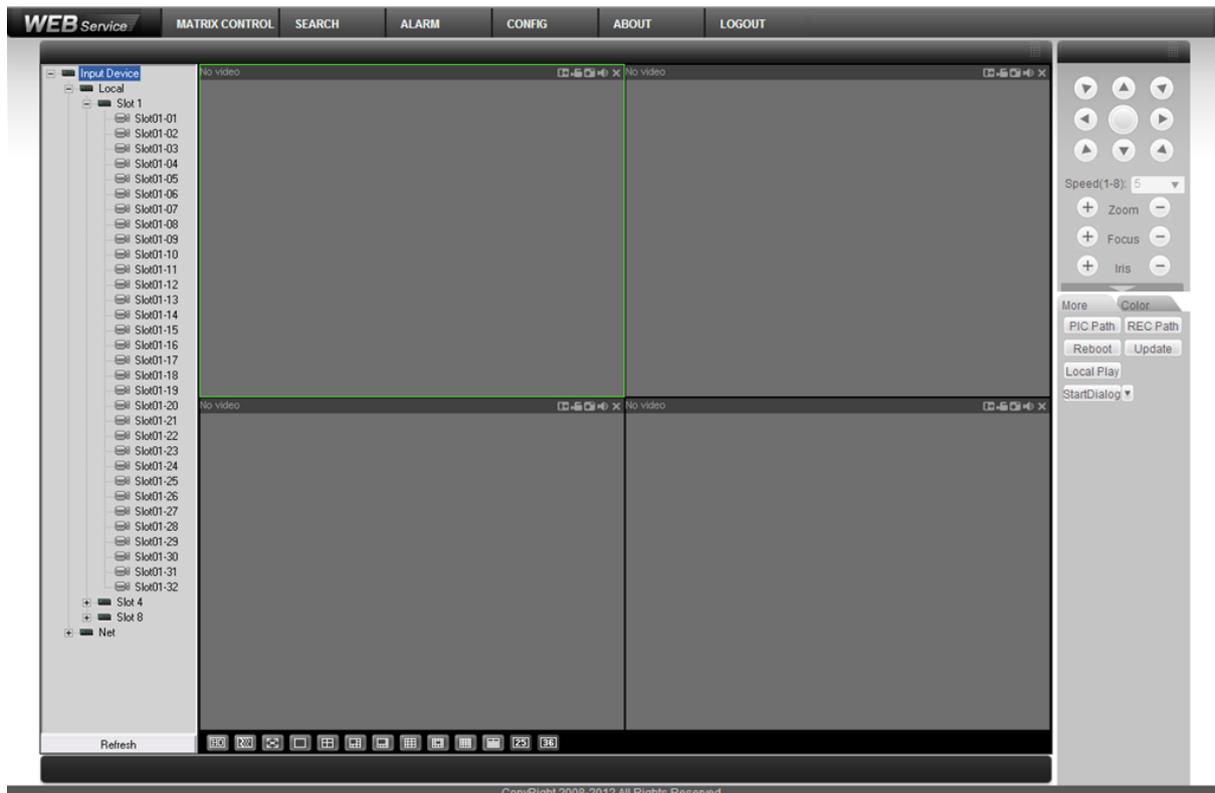


Figure 3- 2

Note:

For more instructions please see Video Matrix Platform User's Manual.

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