







Quick Start

(By Screen & Mouse)

Prepare your devices and tools

If you want to start up your devices, you should follow: Step 1: Prepare the Extension cable; Step 2: Connect your host with other cameras and make sure your power is on; Step 3: Wait for the Power indicator light up and your Screen display: "System Initializing".

Notice: 1. Prepare your cable and check the host input location, generally your screen should connect with the "A/V OUT" input, and you need a transfer hub to connect your screen; 2. Make sure your power is working and connect it with the host; 3. Wait the indicator lights on and check your Screen working processing; 4. Wait your screen turn on, you will see the content "System Initializing"; 5. You need to log in your device, if this is your first login, you need to set our password.

Fig. Beginning Interface Notice: If you connect your devices properly, then you will see the beginning interface. So in order to let you understand your setting process quickly, we will introduce the basic information about the six button in the beginning:  REC Search: you can find your video record and playback them as your want, you can also export your video into your own U disk for further analysis.  System: It can show your devices specific information, you can enter in this function to check your devices information for example: Version, Modules, Server Status and so on.  Log Search: It can quickly check your log attract, in this function you can find the log mark.  Setup: In this function, you can set up your devices information and you can change your devices' parameters for different using environment.  ITS: You can configure your ITS information.  Logout: If you need to log out the user and change another one, then you need to click here.

1. Check the information and set up basic parameters.

Enter in the "System" function, then you can easily check your host Version Information and other information about your devices.

1.1 Power on & Low voltage protection

First you need to enter in the "Setup" function and then you can setup your information, The MDVR can set to power on by Ignition or Timer in the page "Setup → Basic setup → Startup → ON/OFF".

Low voltage protection is used to set the MDVR to shut down automatically when the supply voltage is lower than the specified value. So there is no need to worry about the MDVR using up the battery of the vehicle. It can be set in the page "Setup → Basic setup → Startup → Sleep".

1.2 Time setup

Also in the “Setup” function, The MDVR needs to be manually set up to your time zone after installation in the page “Basic Setup → Time Setup → General”.

The MDVR can support multiple modes of time synchronization, it can support Satellite, NTP and Center Server. The default mode is Satellite.

1.3 Network setup

The “Network setup” is in the “Setup” function interface.

LAN

The MDVR can use the LAN to send data to the server. You can set the LAN IP address in the page “Basic Setup → Network → Local”. All MDVR with IPC or RJ45 interface can be use this function. If the MDVR only has IPC interface, an additional IPC to RJ45 connection is required.

Wi-Fi

If the MDVR equipped with Wi-Fi, it can be used to send data to the server. You can set the Wi-Fi access point in the page “Basic Setup → Network → [WiFi](#)”.

4G

If the MDVR equipped with 4G, it can be used to send data to the server. You need to set up the APN manually for different operators in the page “Basic Setup → Network → comm”.

1.4 Connect to Ceiba

Access an MDVR to the Ceiba server to set in the page “Basic Setup → Network → Server”. Follow the steps below: 1) Select the Protocol Type to “N9M”; 2) Enable Network by which network you have , it can set to Local/Wi-Fi/Module1. Module1 means Communication Module about 4G; 3) Input the Register Server IP(Input IP or domain) & TCP port(default port is 5556); 4) Input the Media Server IP & TCP port. It's the same as the Register Server IP & TCP port.

2. Cameras setting and basic configuring

2.1 Connect your cameras and see the display

The MDVR can automatically load the access IPC. But sometimes the IPC address is modified manually, manual installation is required. 1) Go to the page “Surveillance → IPC Setup” and chose the

Channel 1&2; 2)You should chose Channel 1&2 at the left side and click the "Search" button; 3)Add the specific IPC remote and save the configure; 4)Click the "Outside" button and save your configure; 5)Back to the beginning interface, then you will see the display from your cameras. Step1-Step5 as follow:

Notice: 1. If your display shows no live video, then you need to check your camera input and search your camera again. 2. If you have other cameras, then you need to follow the steps to add your new cameras and make them enable.

2.2How can i find my video record?

Back to the beginning interface and click the "REC Search" ,you will see a calendar which will show your record dates and states of your records. Step1-step3 as follow:

Notice: If you setup a MDVR with HDD or SD to record, you can playback the video on the Playback page and export the video to the U disk. Follow the steps below: 1)Click the Next button, you can select which channel to playback,; 2)Click Search button to go to set the start time to playback; 3)Click Playback button to playback. Click Export button to export the video to the U disk. If you are exporting video, you need one more step to set the end time. 4)The U disk must format to FAT32 before export video from your computer or on the MDVR storage page and ensure that the available capacity of the U disk is larger than the exported video data size.

2.3Configure Video & Record

Default video screen configure

If you want to define the default screen of the MDVR running, set which video channel to display in the page "Surveillance → Live View → Preview". It can set to Single, Quad or 9-Split.

Alarm linkage video screen configure

If you need to display the reversing video screen when you are reversing or the left/right video screen when you are left/right steering on your monitor, access the reversing/left steering/right steering signal to MDVR and follow the steps bellow to set : 1)Go to page "Collection → General → Sensor"; 2)Select the I/O Number what's the trigger signal wired; 3)Select the Trigger Source, it can support Voltage or Pulse; 4)Select the Sensor Uses to Reversing\Left Steering\Right Steering; 5)Go to page "Alarm → Base → IO Alarm"; 6)Select the Sensor number what's the trigger signal accessed; 7)Click the Setup button under the column Linkage to enter Setup page; 8)Set the Linkage Screen to "Single" or "Quad" and select channel; 9)Click the Save button to save.

OSD configure

Liveview OSD setup in the page "Surveillance → Live View → Live OSD", it can set Time, Speed, Vehicle Plate, GPS location, Channel Name, Vehicle Num Alarm and ACC status enable or disable. This function is used to define what the information is superimposed on the Liveview video.

Record OSD setup in the page “Preferences → Record → OSD”, it can set Time, Speed, Vehicle Plate, GPS location, Channel Name, Vehicle Num and Alarm enable or disable. This function is used to define what the information is superimposed on the recorded video.

Record configure

You can setup the Channel name, Enable/Disable, Resolution, Encode Standard(H264/H265), Frame Rate, Image Quality and Audio parameters on the page “Surveillance → Record→Main Stream.

Image configure

If you need to roll or mirror the image of some channel, you can go to the page “Surveillance → Live View→Preview→Image Setup”.

3. Basic Maintenance&Get the log 3.1Basic Maintenance Get the Firmware Version You can get all of the firmware version on the page “System→Version info”, it includes: 1)Device ID corresponding the MDVR Device ID; 2)Serial Num corresponding the MDVR Serial number; 3)MAC Address corresponding the MDVR MAC address; 4)Firmware Version corresponding the MDVR firmware version; 5)MCU Version corresponding the MCU firmware version; 6)CP3/4 Version corresponding the CP3/4 firmware version. 3.2Upgrade Basic prepare: 1)U disk format to FAT32. 2)New a folder named “upgrade”. 3)Copy the upgrade file into the folder. Make sure there is only one upgrade file in the folder. 4)Plug in the U disk into the USB port in front of the MDVR. Device & CP4 & IPC & GPS upgrade You can upgrade all of the firmware version on the page “Setup→Maintenance→Upgrade”, click the corresponding “Upgrade” button on the right. It includes: 1)Device upgrade, CP4 upgrade, IPC upgrade, GPS upgrade; 2)Because you may have more than one IPC, you need to select which one to upgrade firstly on the page which you click the “upgrade” button on the right to enter.

3.3Configuration Basic prepare : 1)U disk format to FAT32; 2)Plugin the U disk into the USB port in front of the MDVR. Notice: The configure files can’t import & export between different firmware version or MDVR model. Export & Import configure file You can export or import configure file on the page “Setup→Maintenance→Config”, click the “Export” or “Import” button on the right according to your needs.

Default all settings to the factory state You can default all settings on the page “Setup→Maintenance→Reset”, click the “Reset” button on the right. Notice: The IP address, MAC address, and Register info will not be restored or imported or exported, they must be input independently on each device.

3.4Get the log Get Running log The device stores the log information related to operation in the record media(HDD or SD), it can be covered automatically when the storage is full or deleted by formatting. Sometimes we can export it to analyze the reason of some problems on the page “Setup → Maintenance→FileData”. The log includes: 1)Alarm log, alarm information e.g. overspeed alarm; 2)Operation log, information of device running, e.g. power on time, version, network status; 3)You can export all of the log if you didn’t know when the problem happened or export the log of the specific date if you know the date.

4)Because the USB port on the device is occupied by the mouse, when you want to export operation log or alarm log, you can use the following two methods: a) Prepare a USB hub so that you can

connect the mouse and U disk at the same time and export the log to the U disk; b) Prepare a network cable and a computer. The cable connects the computer to the device; c) Through the display screen connected to the device on the page “basic setup→local→network” check the IP Address.

d) Check if the network segment on the computer matches the IP address of the device.

Enter the IP address of the device with the browser on the computer to access the device. After logging in, select log type and time in the log interface to search the log, and then export the log.

Get print log Sometimes we need to get more details of device's running, we have to get the print log by U disk follow below: 1)U disk format to FAT32; 2)Copy the file “n9m_print_cfg” into the U disk. No folder needed, just in the root of the U disk. Make sure every letter of the file name is the same as “n9m_print_cfg” and the U disk has no file named “all”; 3)Plugin the U disk into the USB port in front of the MDVR; 4)Run the device until the problem appears; 5)Remove the U disk from the device, and then restart the device to exist the log mode; 6)Plugin the U disk to the computer and cut the file “all” to the computer, and then send it to our technical support.

3.5Client & Server & APP Ceiba Client & Server version

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