



QUICK START GUIDE

NVR Series

V 4.03

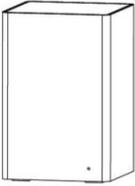
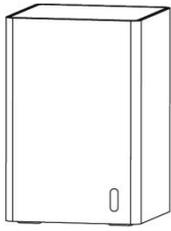
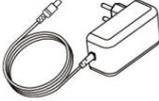
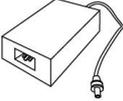
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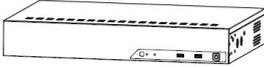
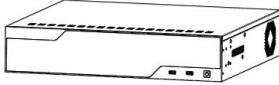
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1.Package Contents

Mini (PoE) NVR:

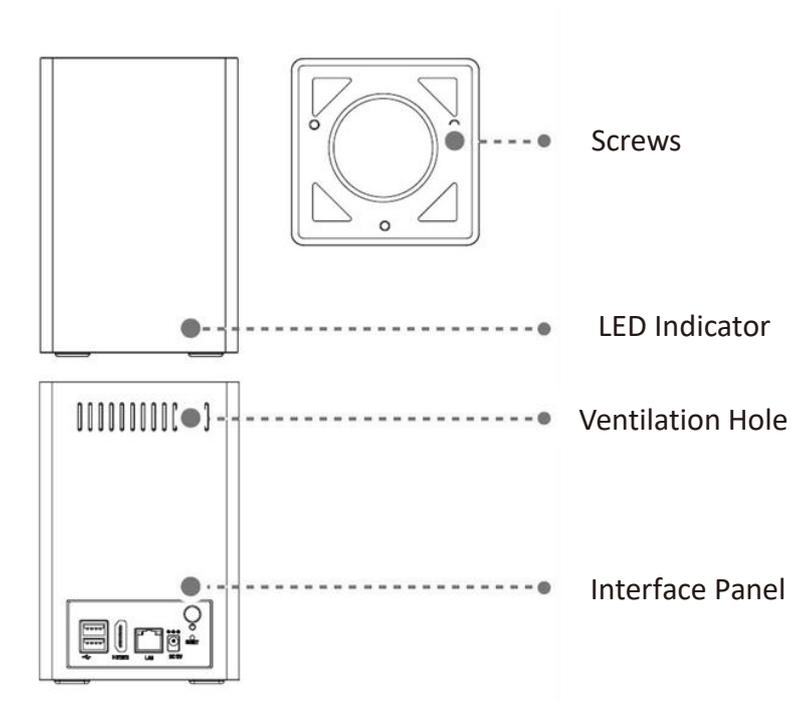
 Contents	Mini NVR 	Mini PoE NVR 
NVR	x 1	x 1
 Screwdriver	x 1	x 1
 Quick Start Guide	x 1	x 1
 Power Adaptor	x 1	-
 Power Adaptor	-	x 1
 Power Cord	-	x 1
 HDD Screw	x 8	x 4

Pro/PoE NVR:

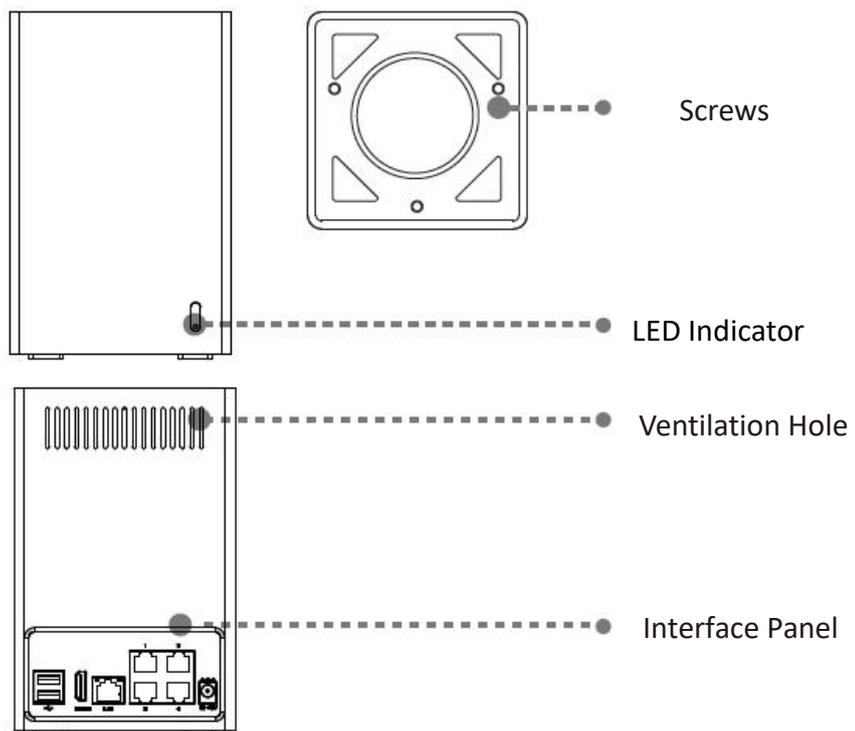
 Contents	Pro/PoE 5000 	Pro/PoE 7000 	Pro 8000 
NVR	x 1	x 1	x 1
 Quick Start Guide	x 1	x 1	x 1
 Mouse	x 1	x 1	x 1
 Power Cord	x 1	x 1	x 1
 Power Adaptor	x 1 (Pro 5000)	-	-
 HDD Screw	x 12	x 16	x 32
 HDD Bracket	x 4	-	-
 HDD Bracket Screw	x 8	-	-
 Mounting Bracket	x 2	-	-
 Mounting Bracket	-	x 2	-
 Mounting Bracket	-	-	x 2
 Mounting Bracket Screw	x 8	x 8	x 8

2. Hardware Overview

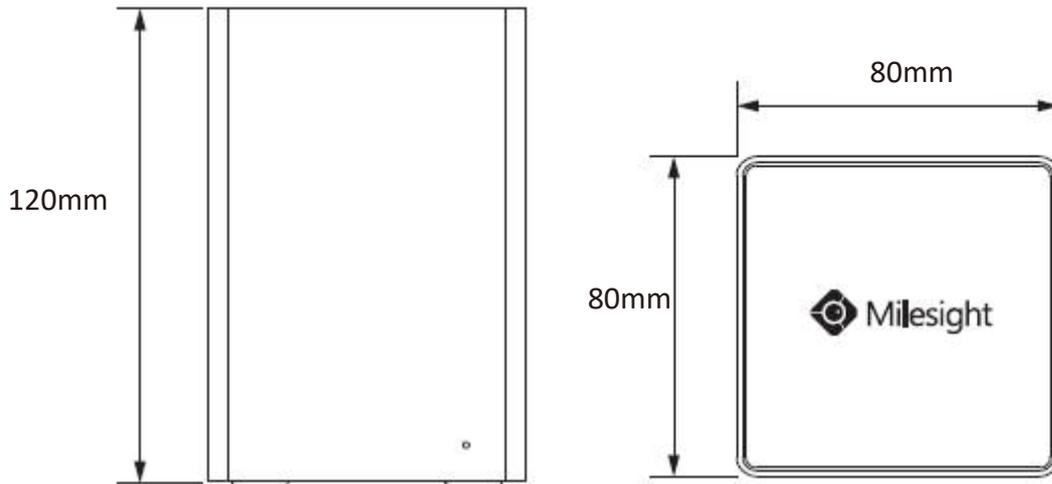
Mini NVR:



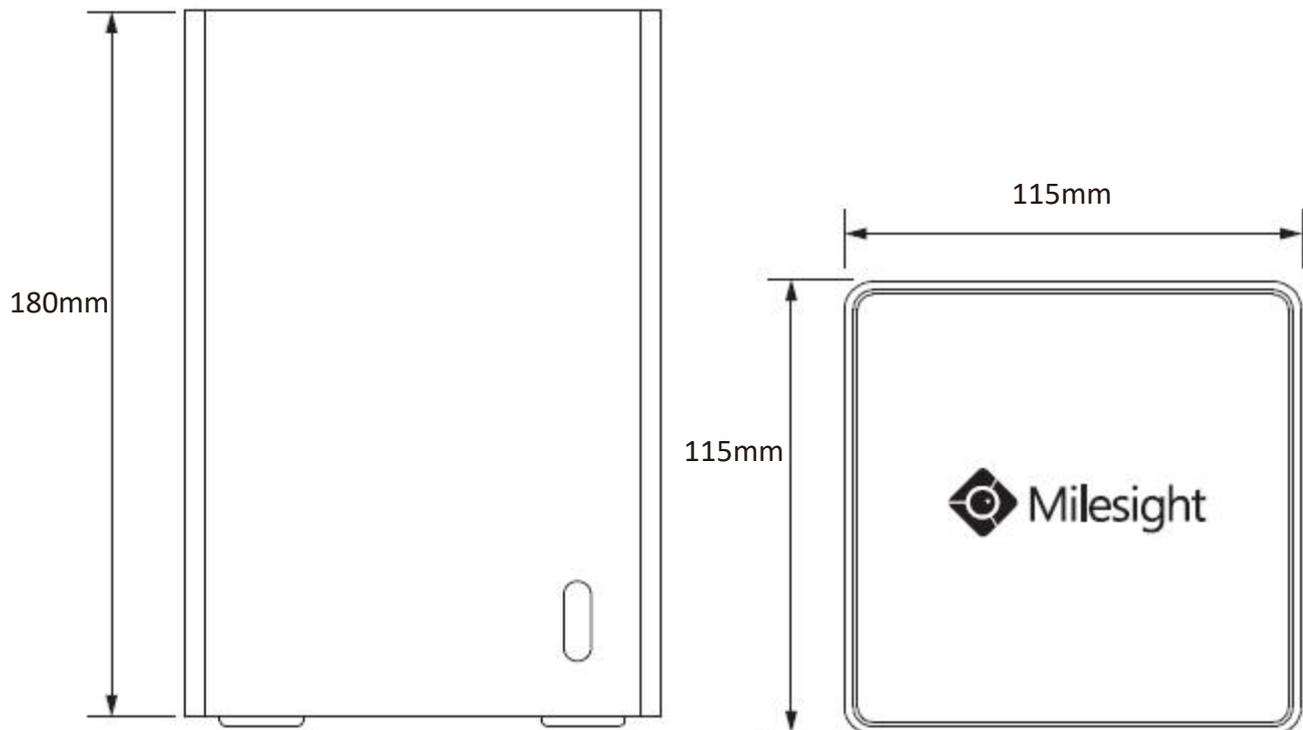
Mini PoE NVR:



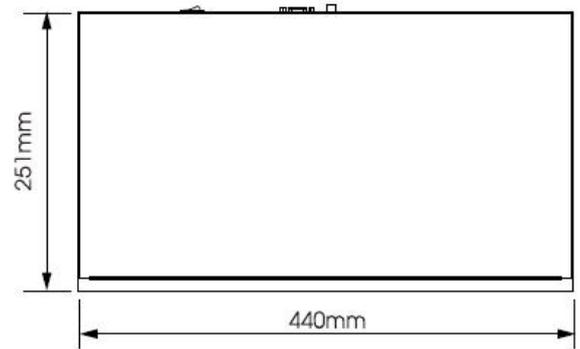
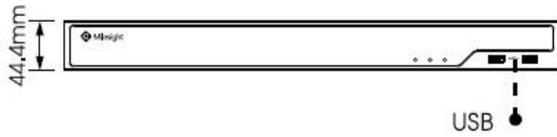
Mini NVR:



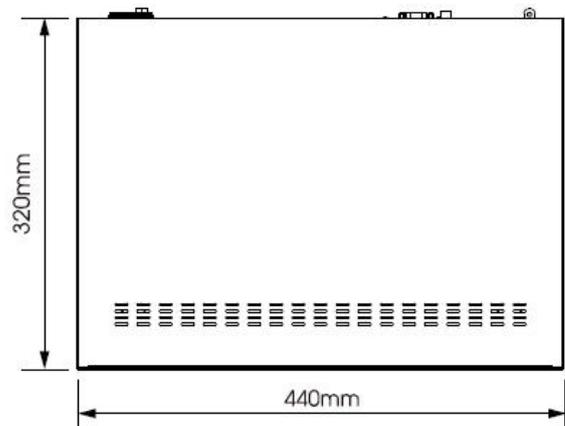
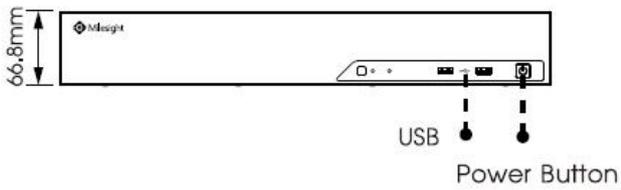
Mini PoE NVR:



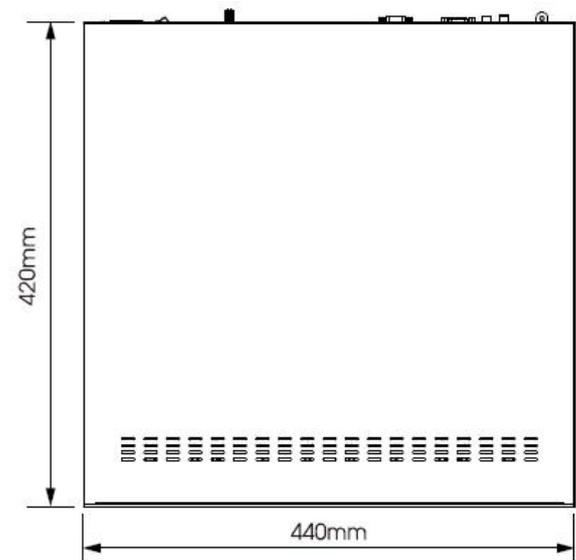
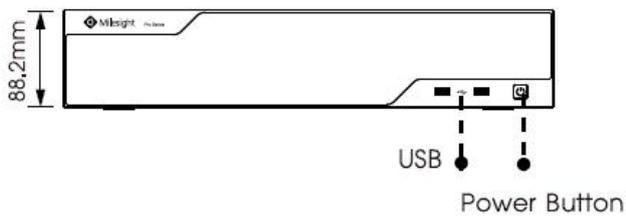
Pro/PoE 5000:



Pro/PoE 7000:

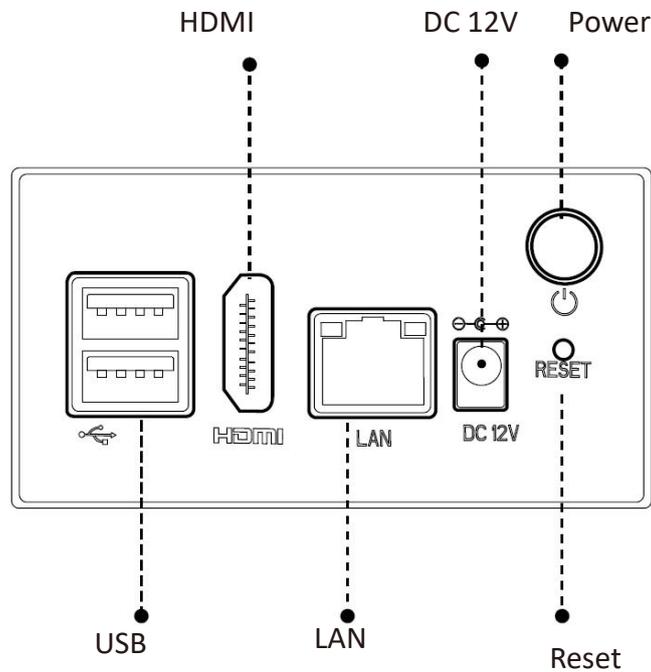


Pro 8000:

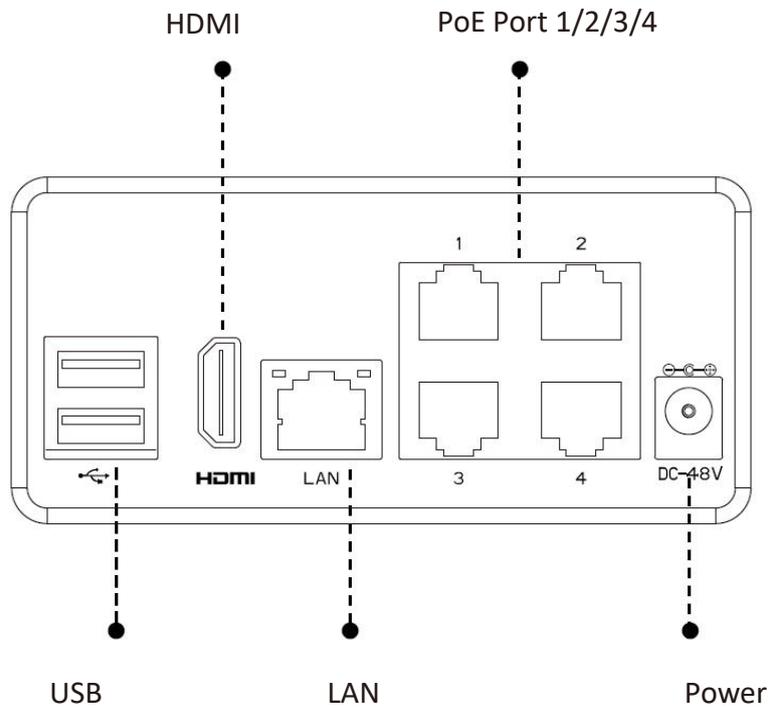


3.Interfaces

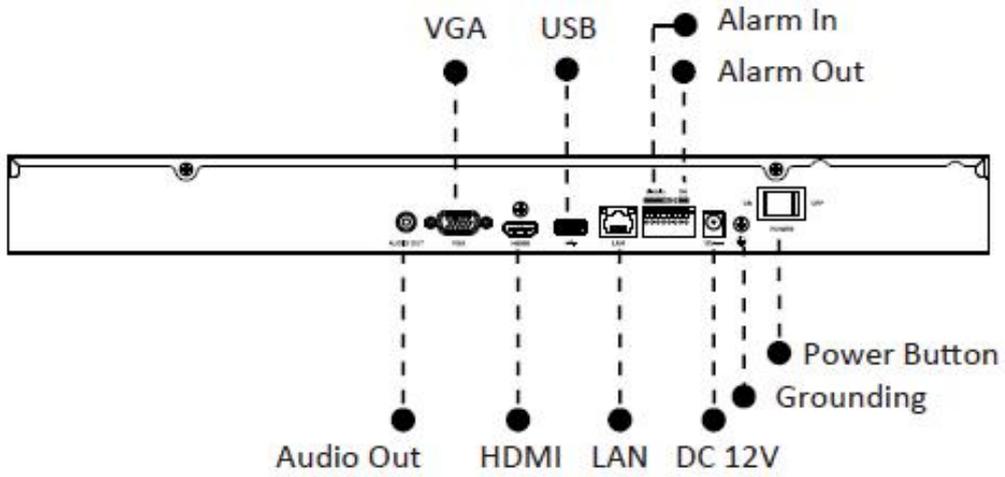
Mini NVR:



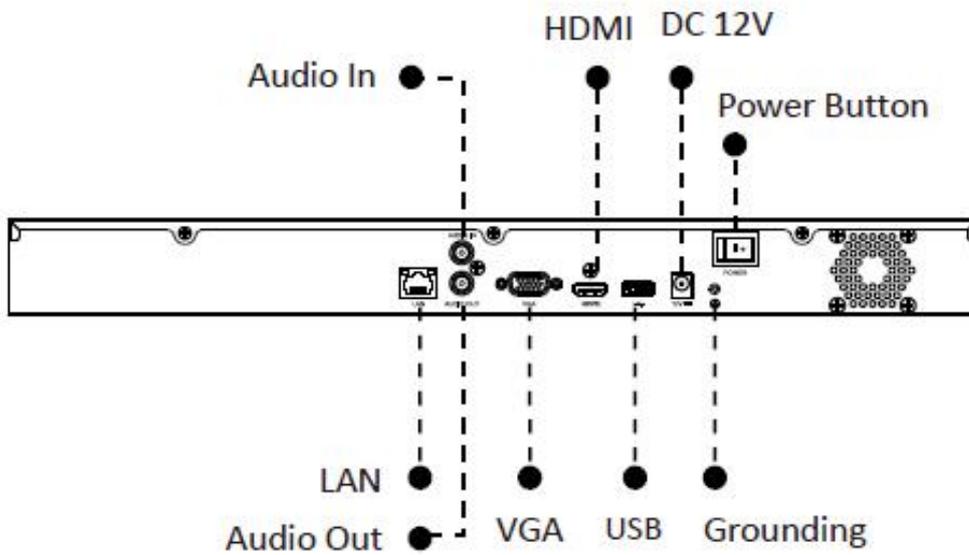
Mini PoE NVR:



Pro 5000:

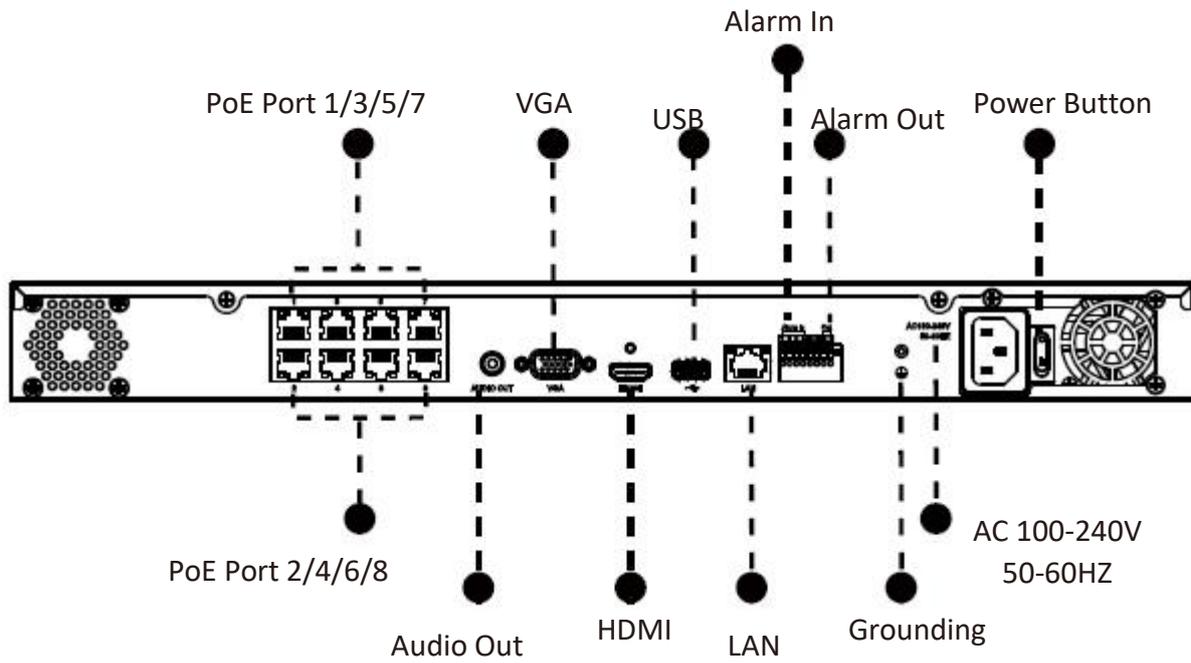


MS-N5016-UT

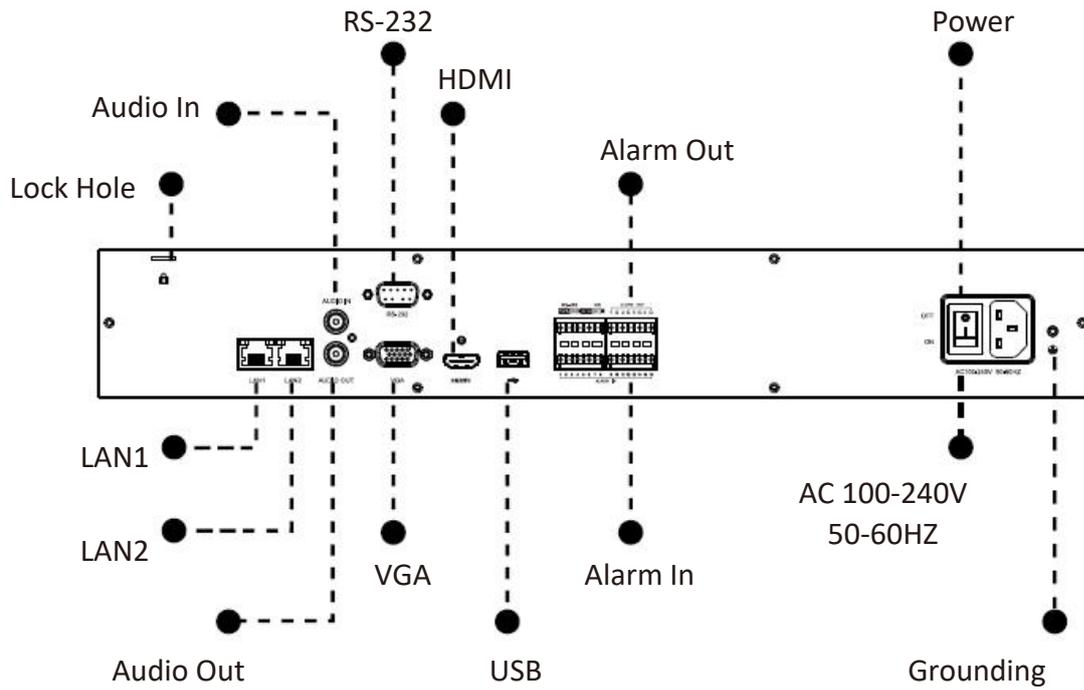


MS-N5032-UH

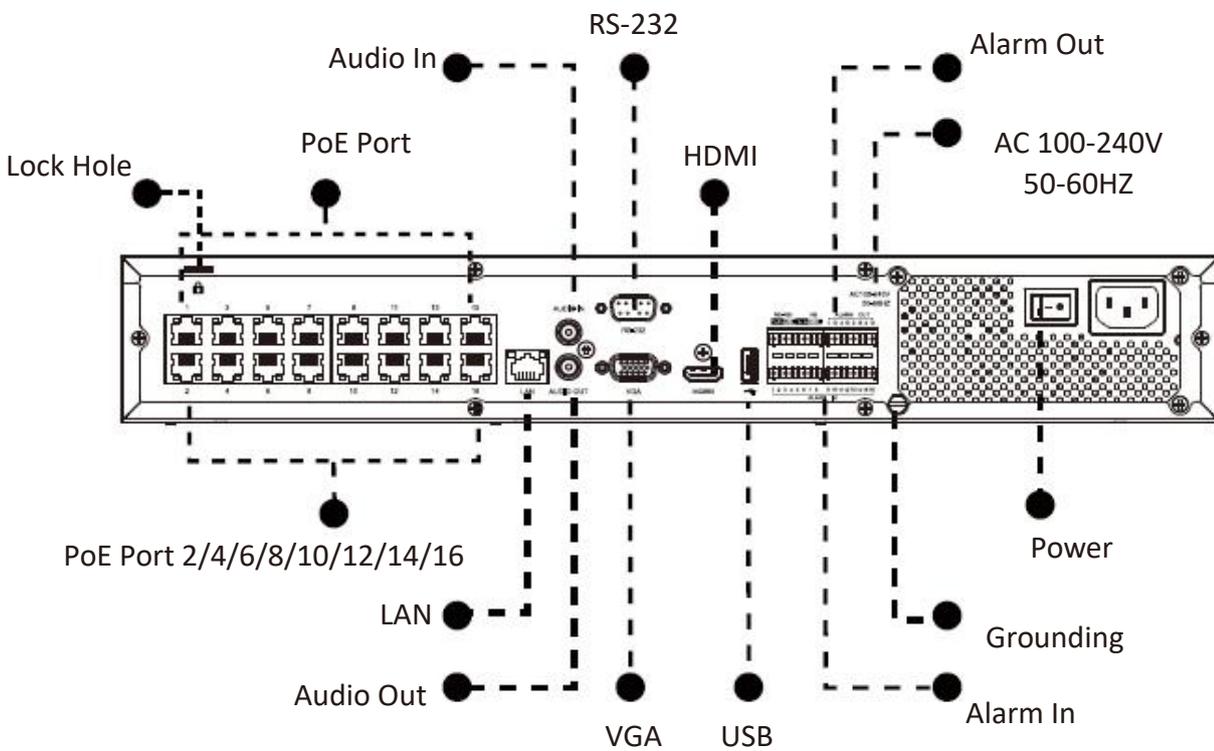
PoE 5000:



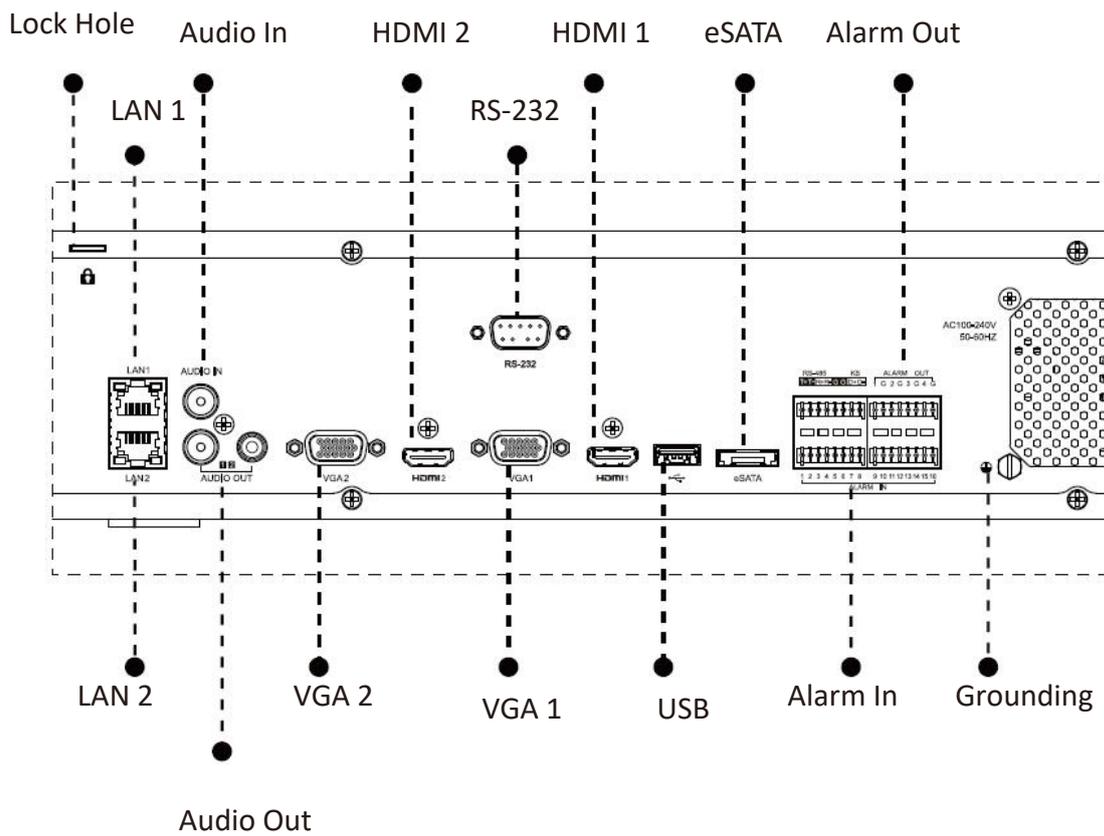
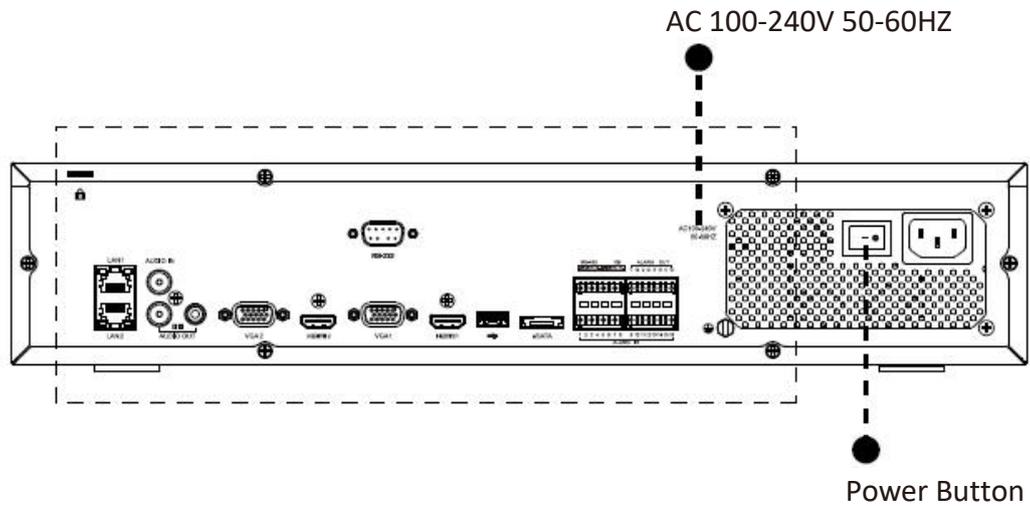
Pro 7000:



PoE 7000:



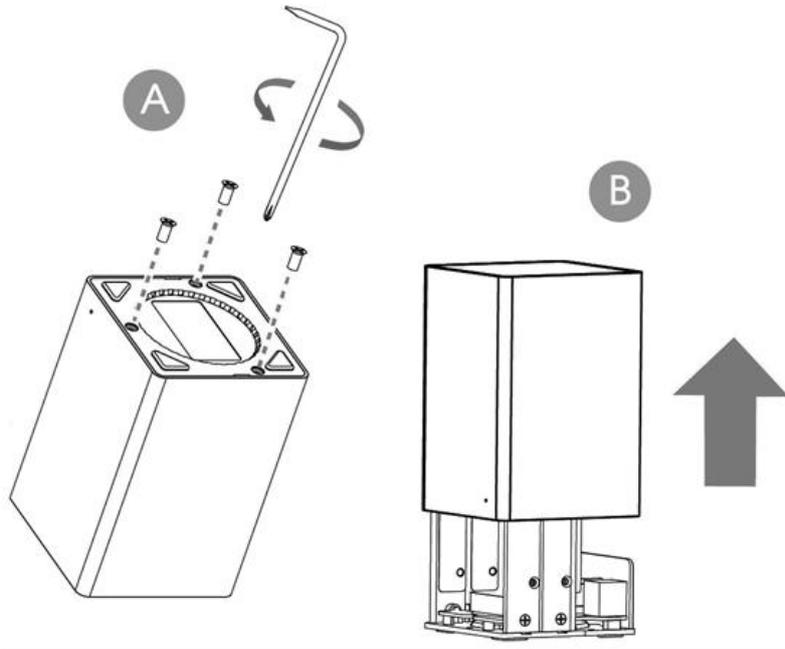
Pro 8000:



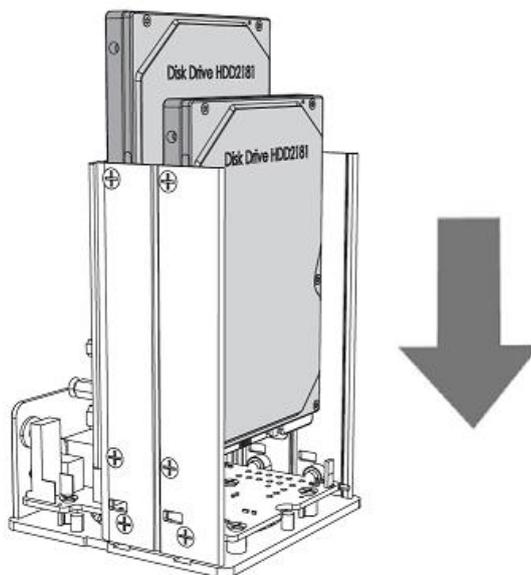
4. Installation

4.1 Mini (PoE) NVR 1000 Series Installation

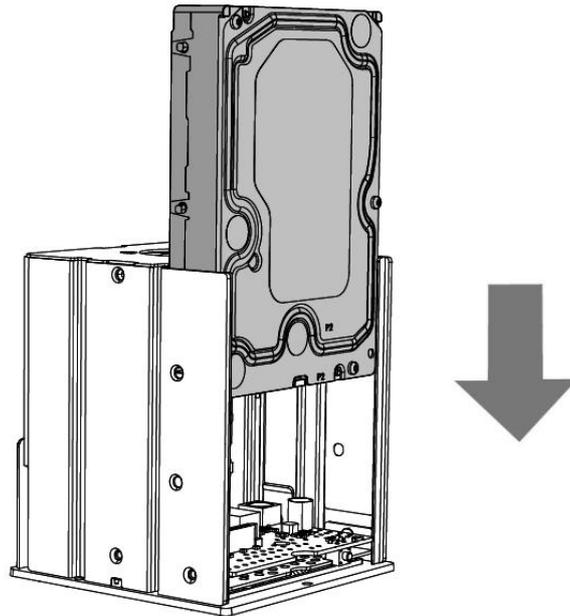
Step1: Remove the screws at the bottom panel and pull up the casing.



Step2: Insert SATA HDD in the slot as required.



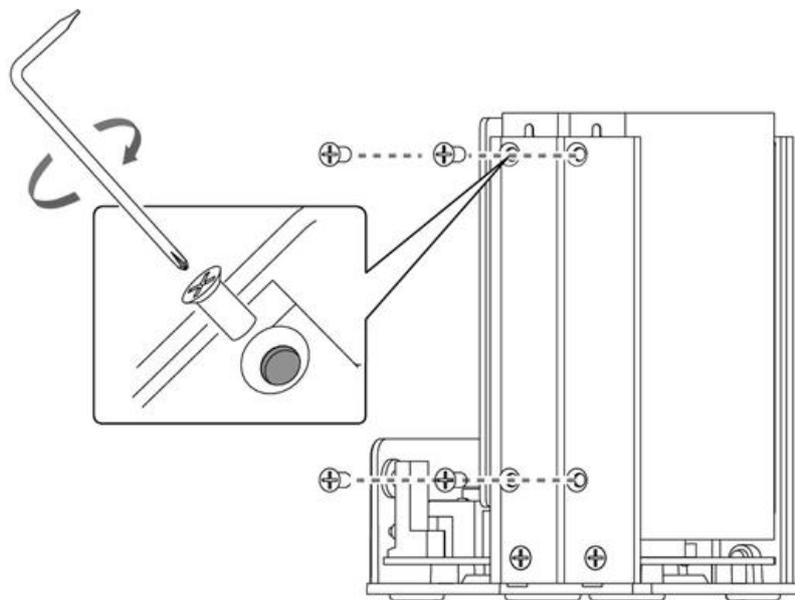
(Mini NVR)



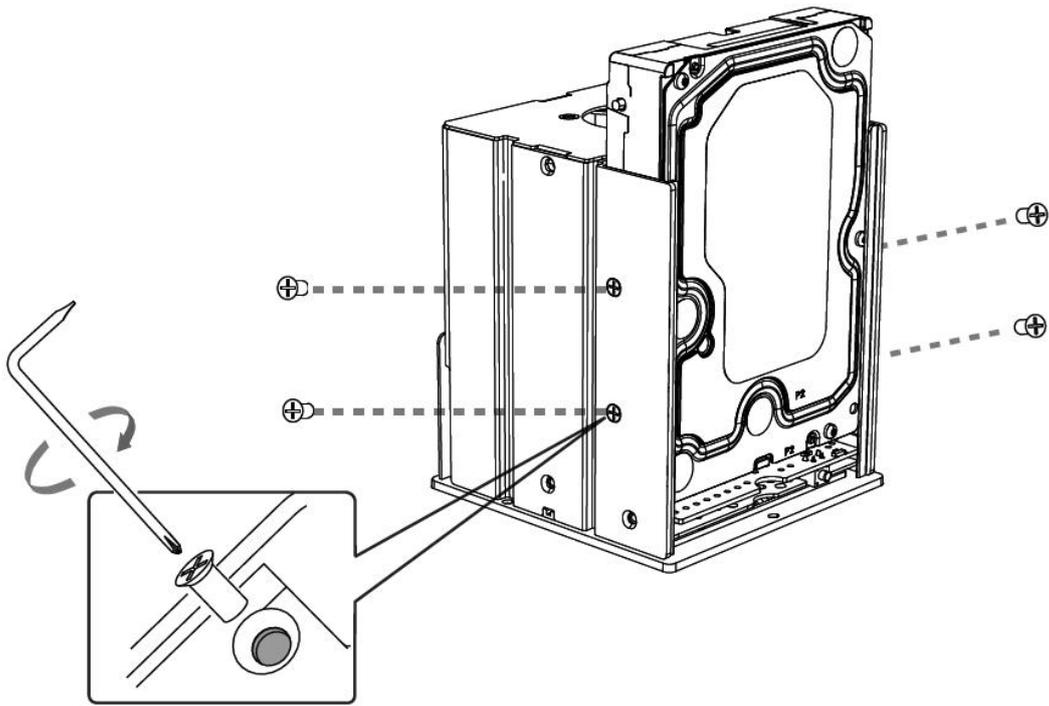
(Mini PoE NVR)

Note: Mini NVR supports two SATA HDD (2.5"). Mini PoE NVR supports one SATA HDD (3.5").

Step3: Secure the HDD with screws.

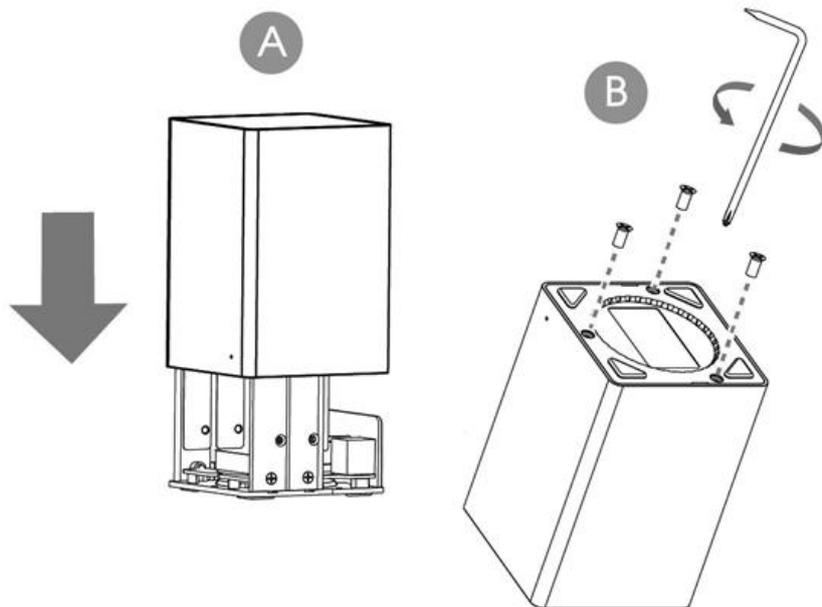


(Mini NVR)



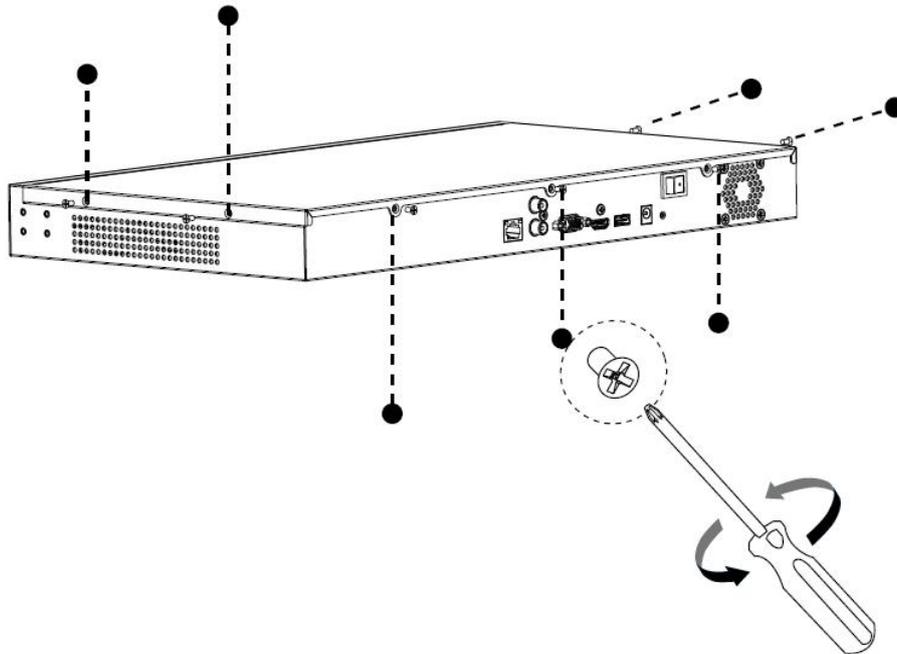
(Mini PoE NVR)

Step4: Push down the casing and tighten the screws.

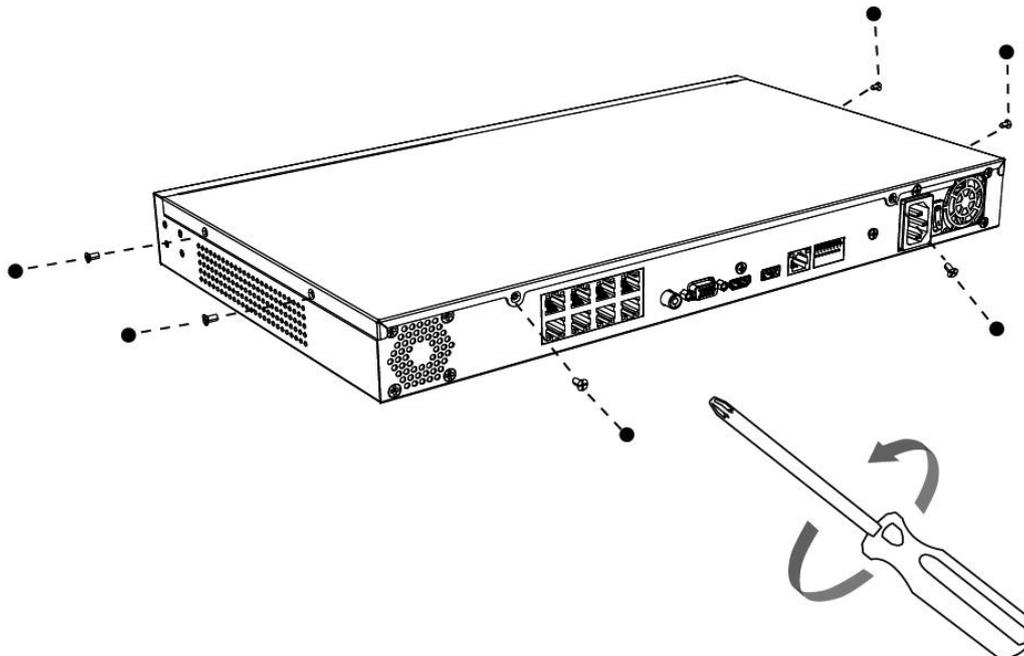


4.2 Pro/PoE NVR 5000 Series Installation

Step1: Using a cross screwdriver to remove the screws at the back panel in an anticlockwise direction.

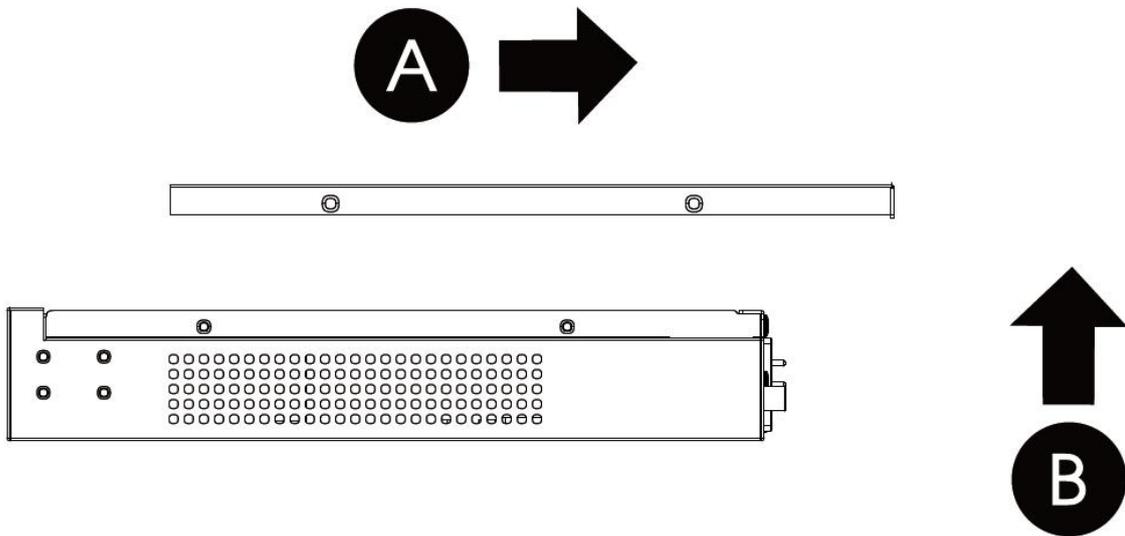


(Pro 5000)

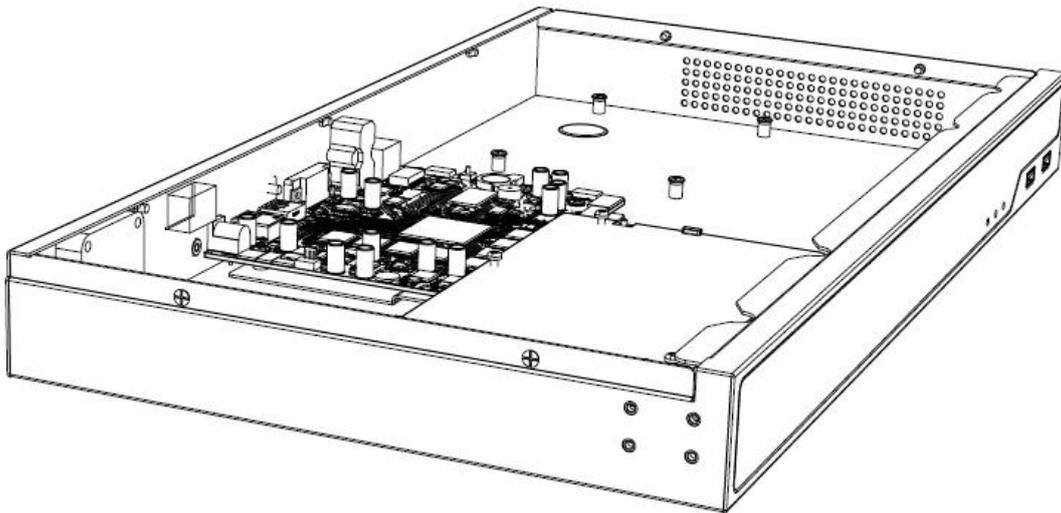


(PoE 5000)

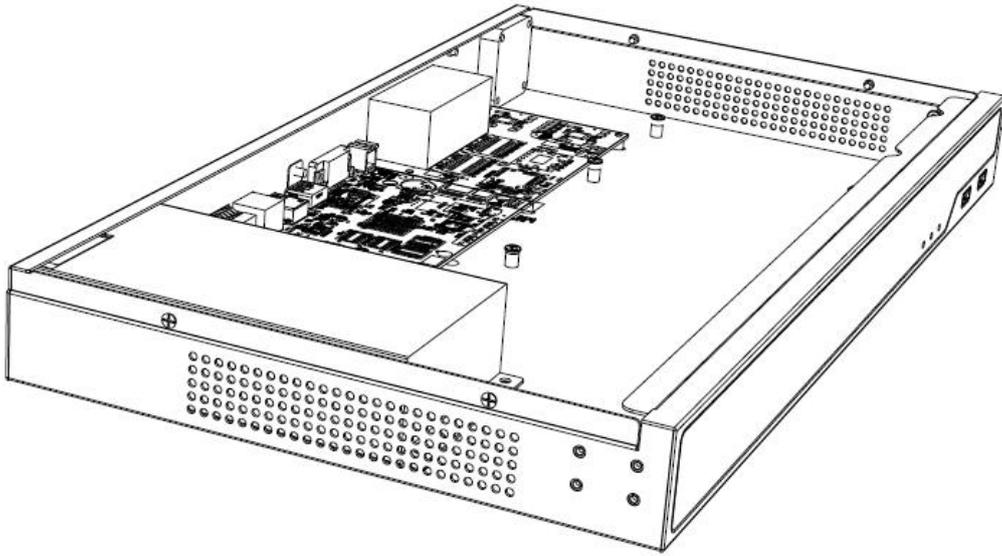
Step2: Slide the upper casing to the right first and lift it up.



Step3: The internal structure of Pro/PoE 5000 is shown as below.

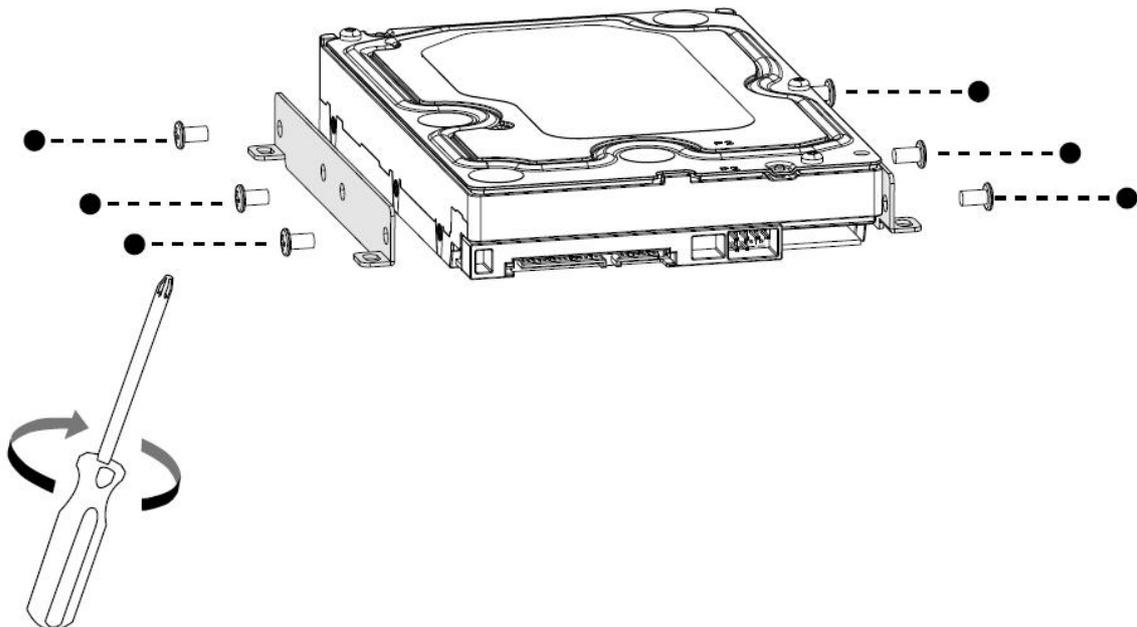


(Pro 5000)

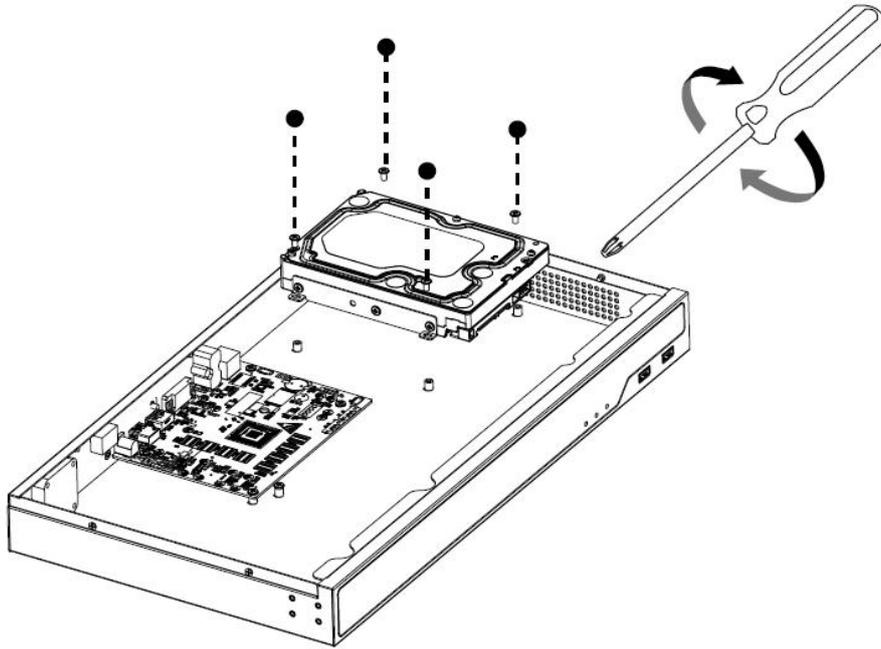


(PoE 5000)

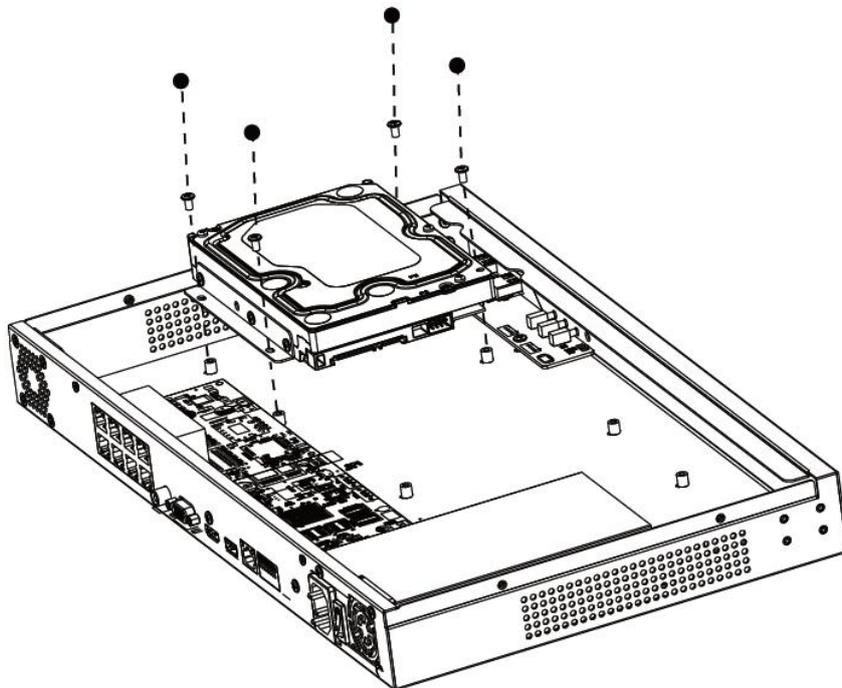
Step4: Hard Disk Installation: Lock the hard disk with the HDD bracket. 6 screws for each hard disk installation.



Step5: Secure the HDD brackets with hard disks in the casing. 4 screws for each HDD bracket.

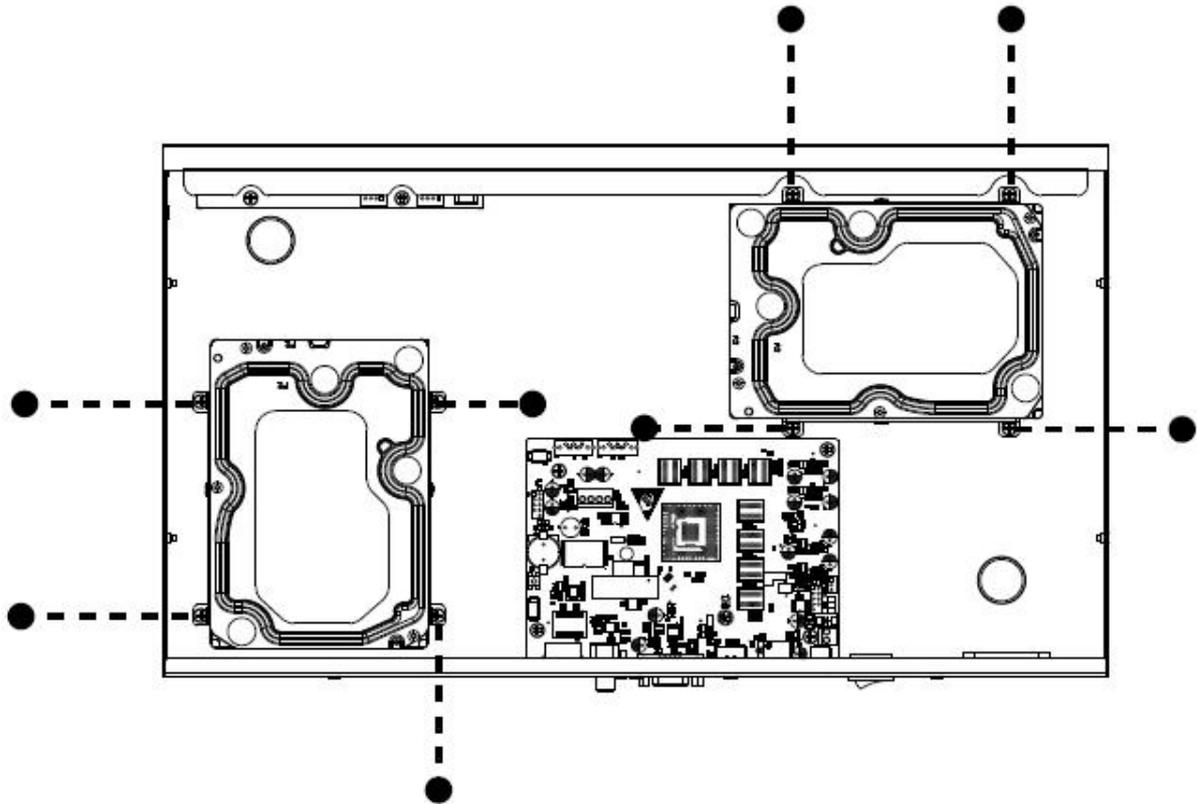


(Pro 5000)

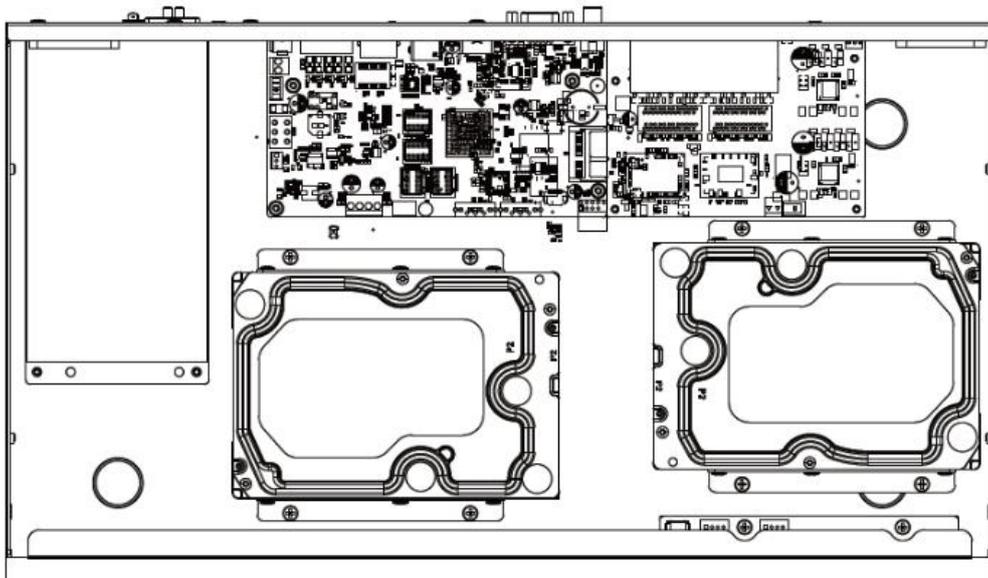


(PoE 5000)

Step6: After that, check if all the screws are tightened. Then connect the power cable and data cable to each HDD.

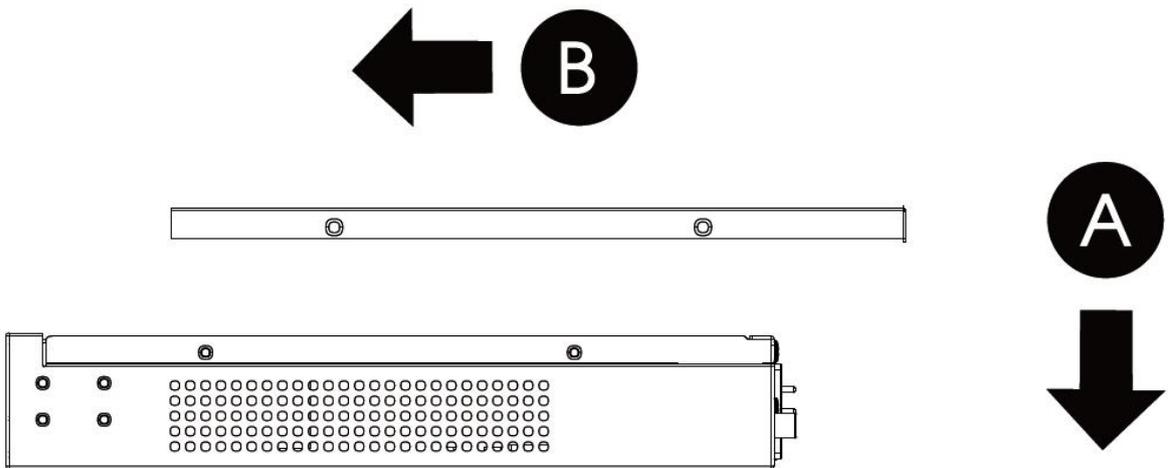


(Pro 5000)

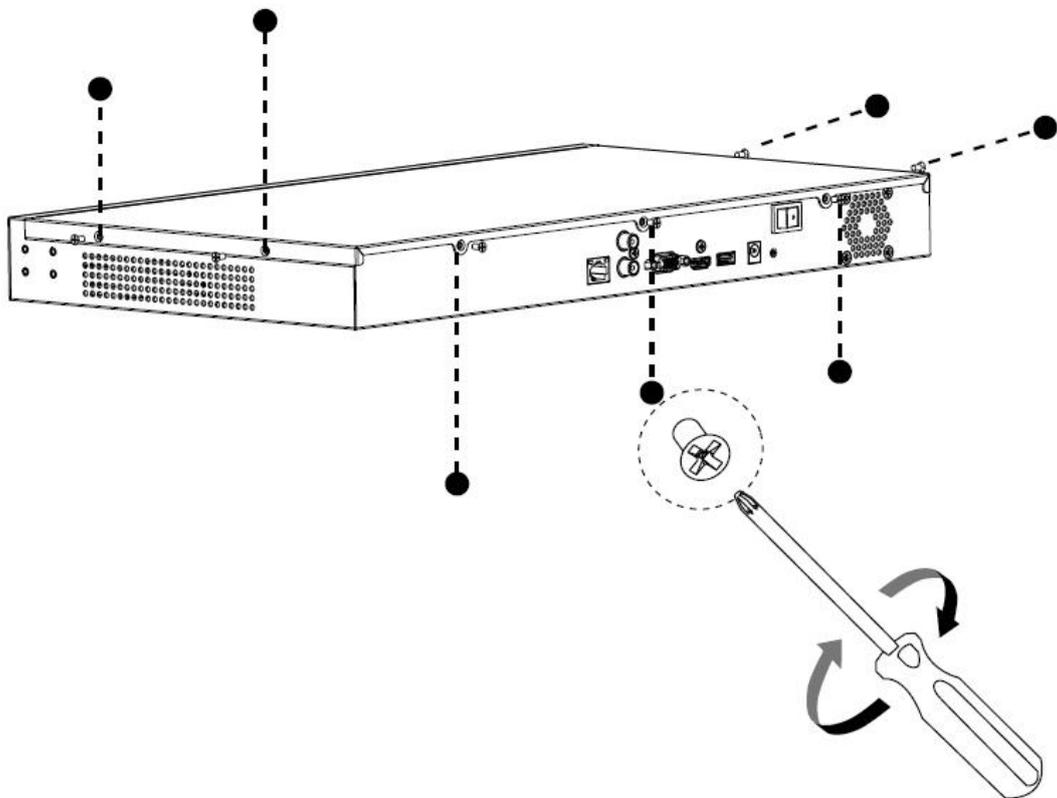


(PoE 5000)

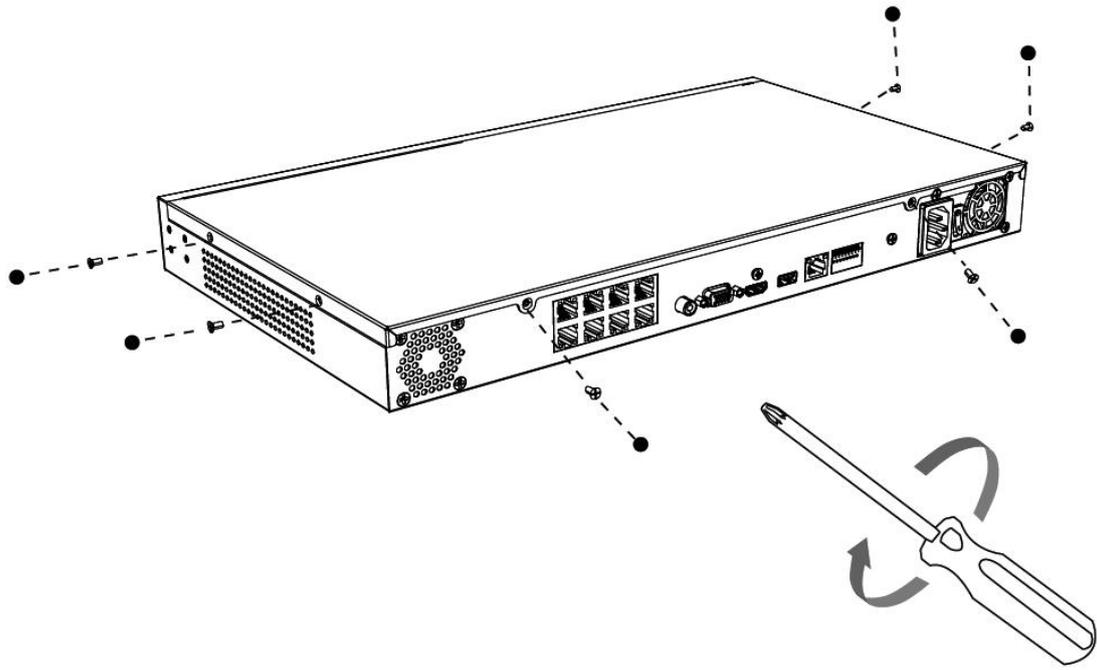
Step7: Pull down the upper casing and slide it to the left.



Step8: Retighten the screws on the back.



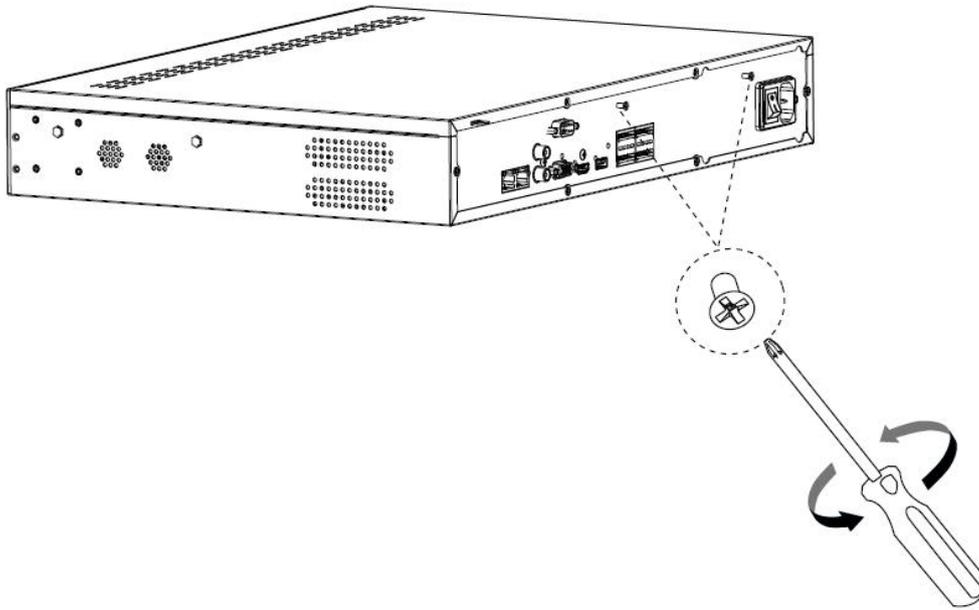
(Pro 5000)



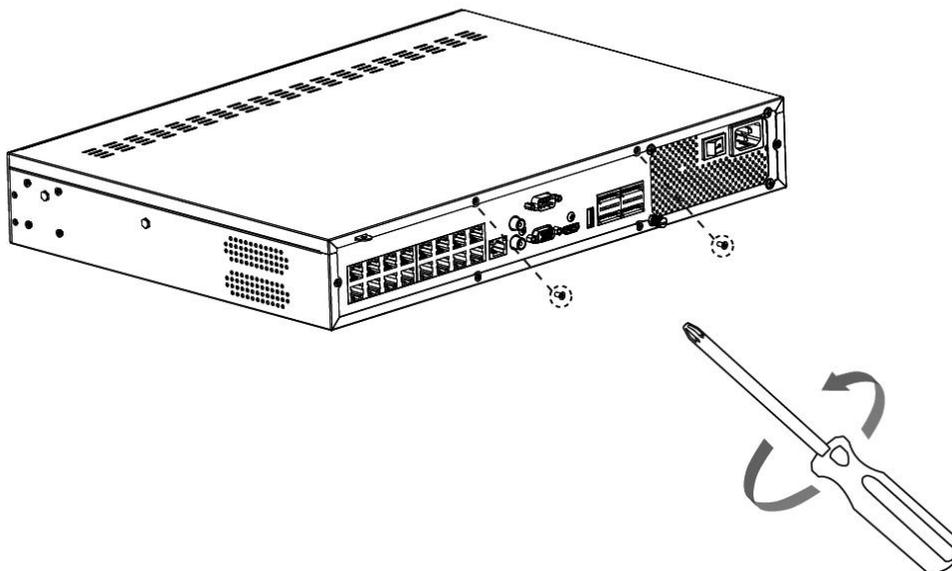
(PoE 5000)

4.3 Pro/PoE NVR 7000 Series Installation

Step1: Using a cross screwdriver to remove the screws at the back panel in an anticlockwise direction.

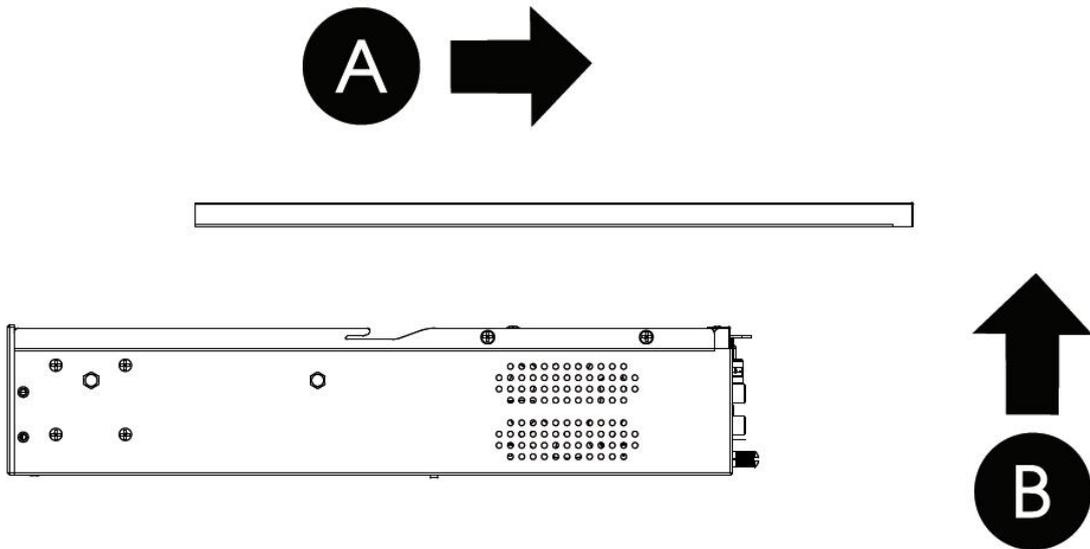


(Pro 7000)

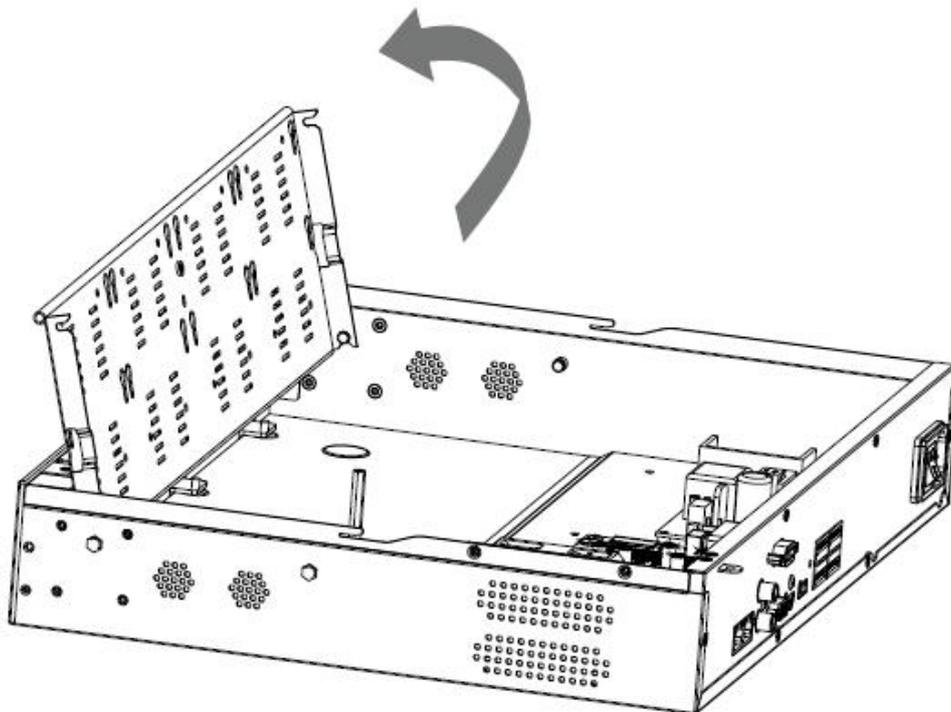


(PoE 7000)

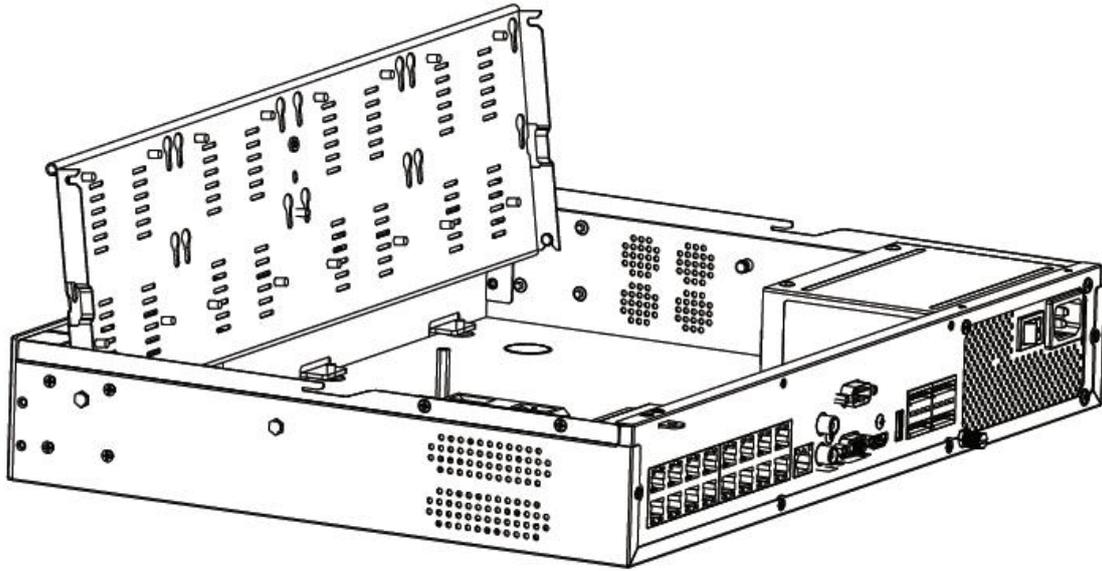
Step2: Slide the upper casing to the right first and lift it up.



Step3: The HDD bracket is rotatable and can be taken down by pulling up and rotating one side of it.



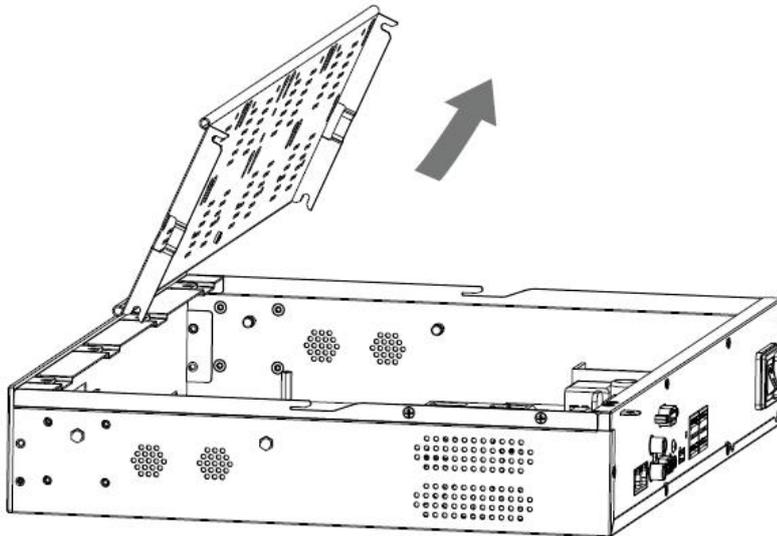
(Pro 7000)



(PoE 7000)

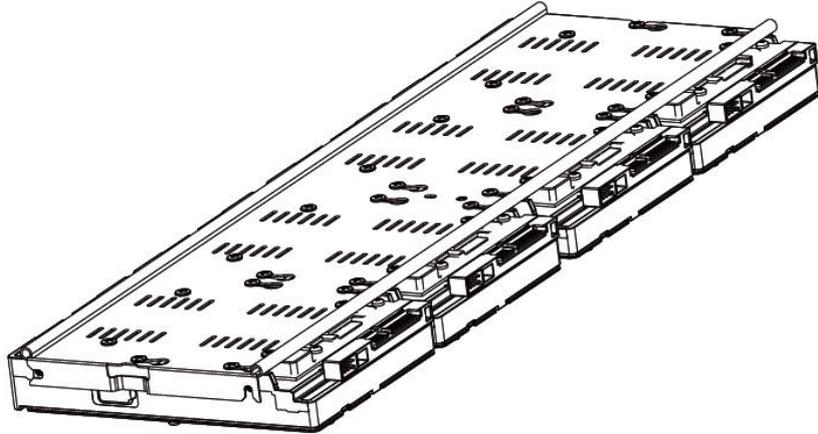
Step4: To install HDD more conveniently, you can:

- 1) Remove the bracket.

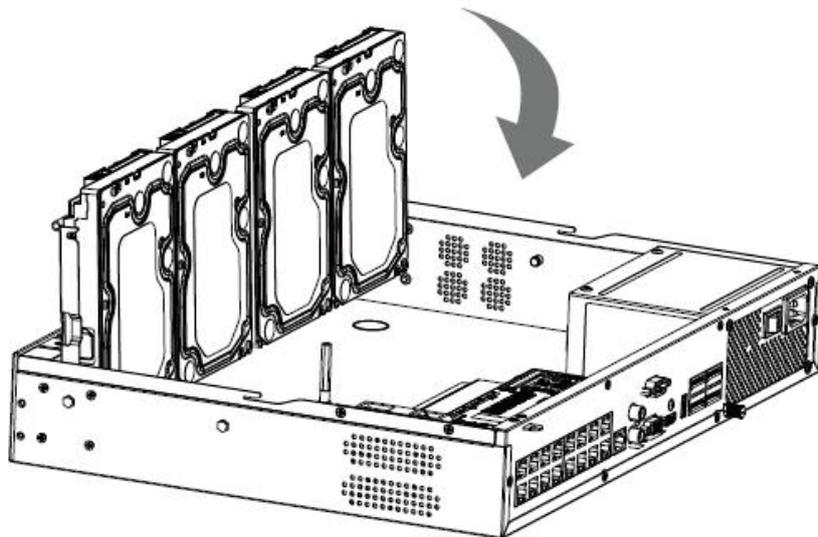


(Pro 7000)

2) Install the HDD on the bracket.

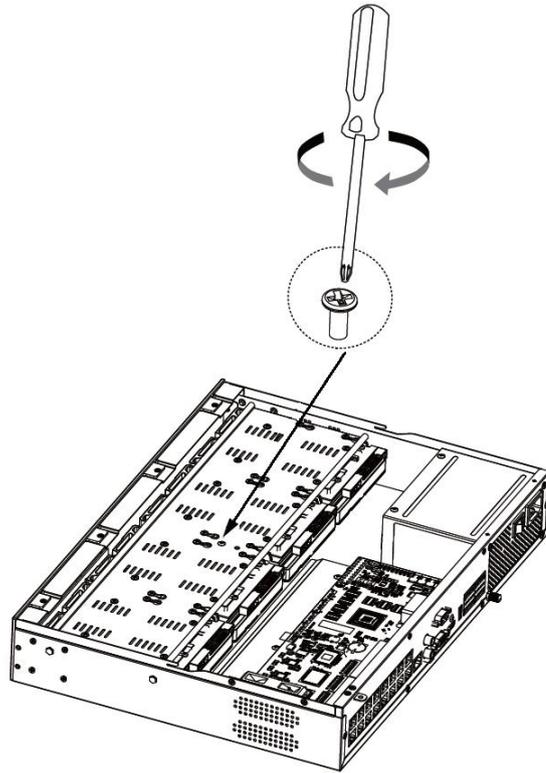


3) After securing the HDD on bracket, insert the bracket back to the NVR.



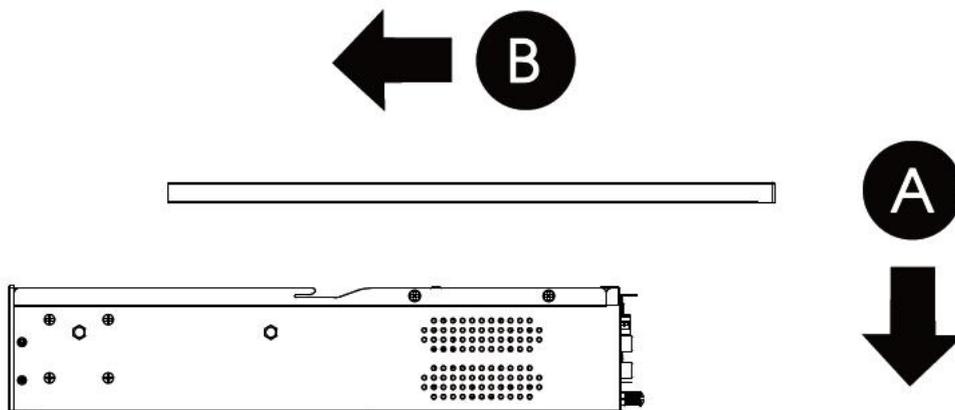
(PoE 7000)

Step5: Check if all the 16 screws in HDD bracket are screwed tightly, if not, screw them tightly in an clockwise direction. And fix the bracket with a screw in the middle of bracket. Then connect the power cable and data cable to each HDD.

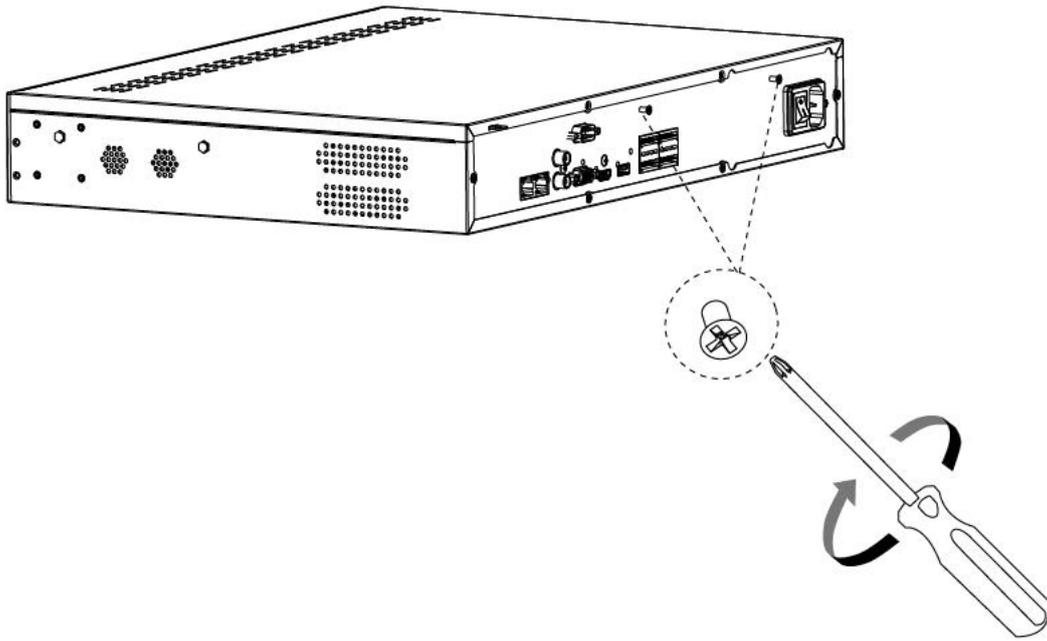


(PoE 7000)

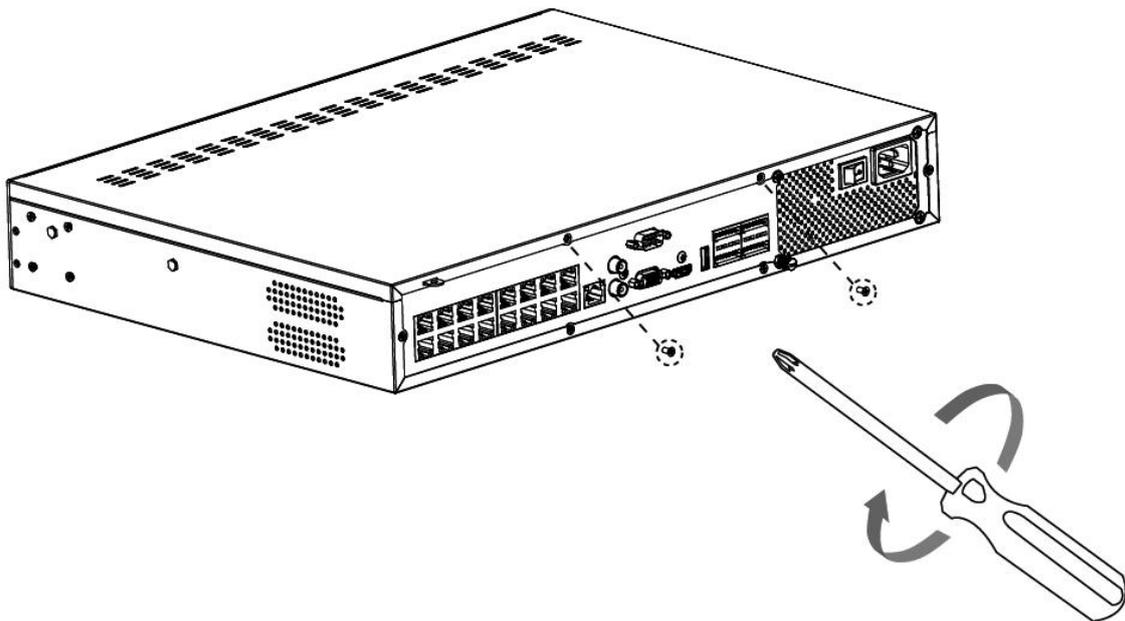
Step6: Pull down the upper casing and slide it to the left.



Step7: Retighten the screws on the back.



(Pro 7000)

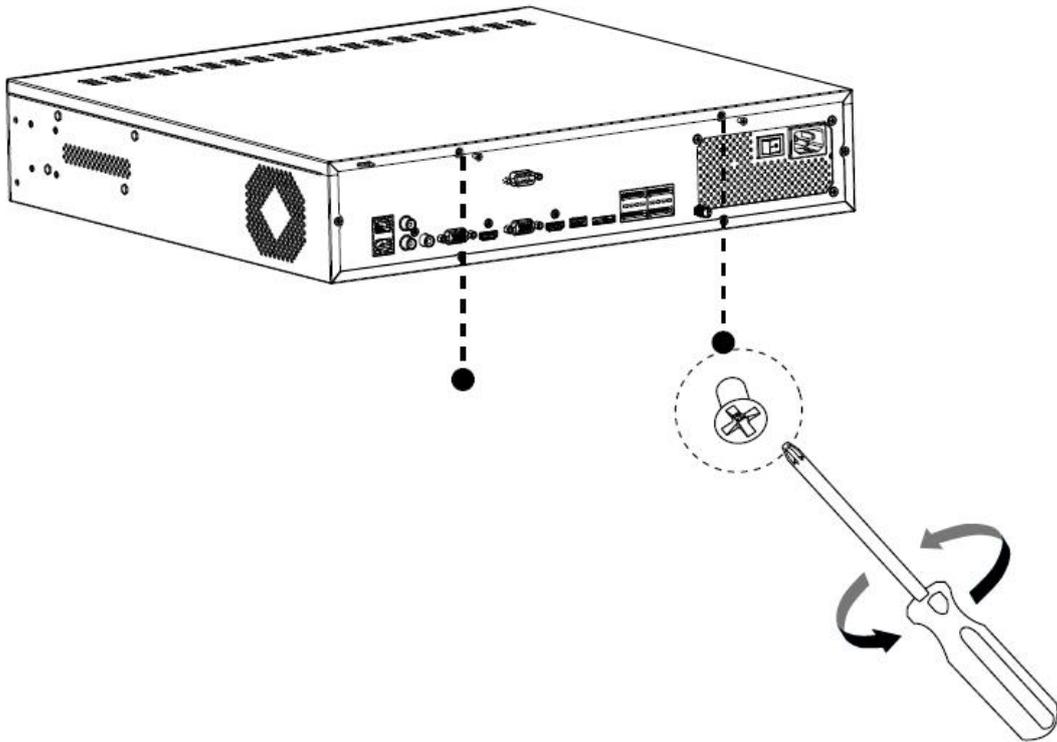


(PoE 7000)

4.4 Pro NVR 8000 Series Installation

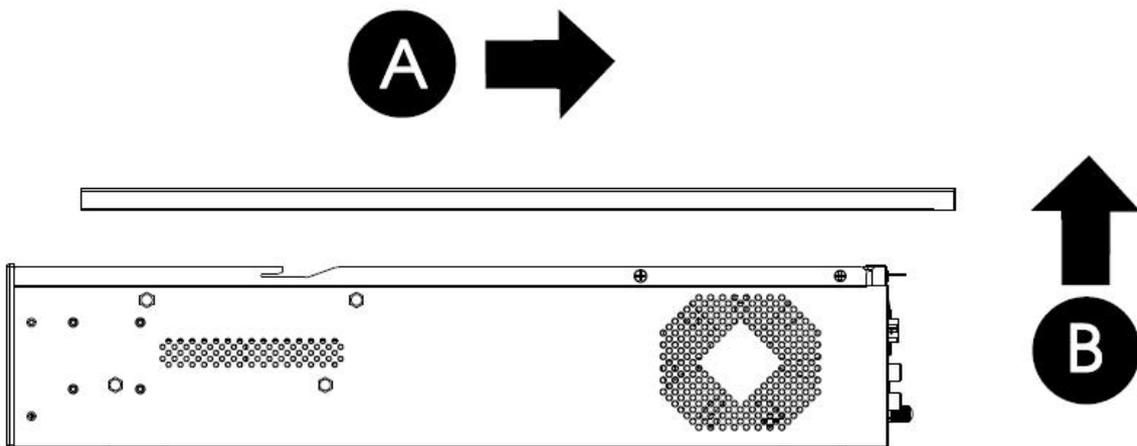
Step1: Using a cross screwdriver to remove the screws at the back panel in an

anticlockwise direction.



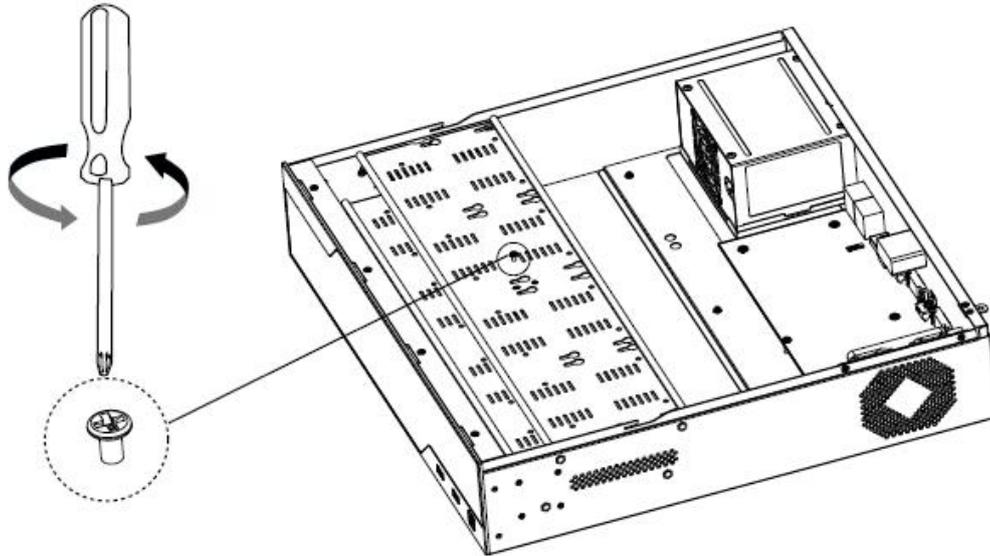
(Pro 8000)

Step2: Slide the upper casing to the right first and lift it up.

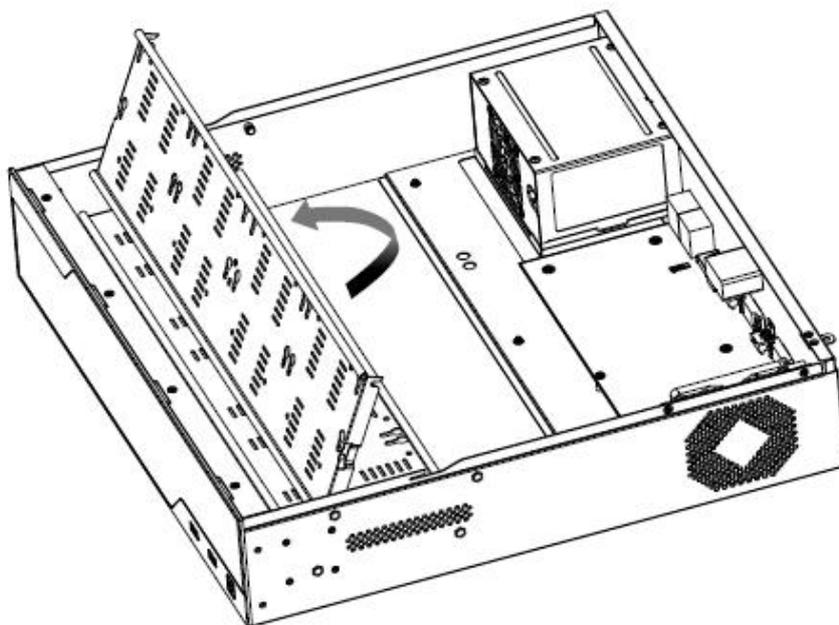


Step3: Using the screwdriver to remove the screw in the middle of HDD bracket in an anticlockwise direction (Pro 7000 has only one HDD bracket and

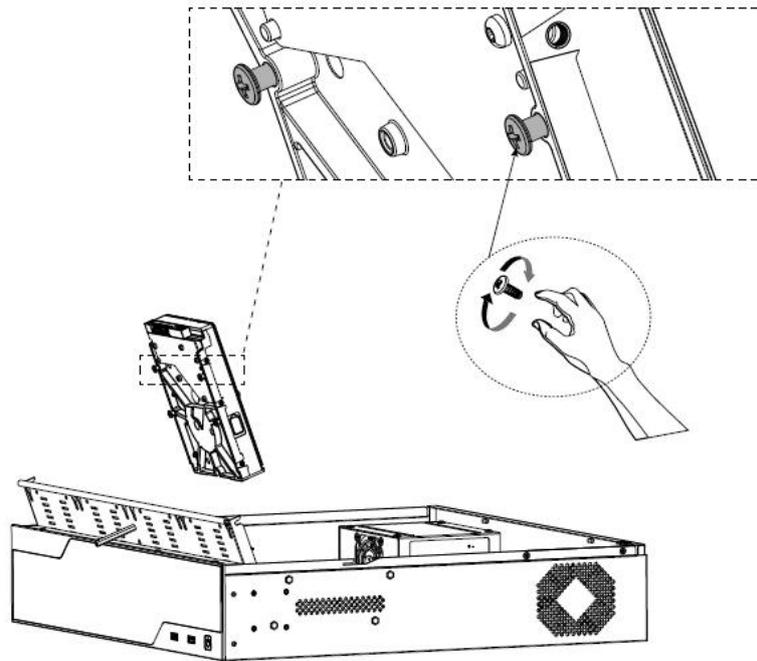
Pro 8000 has two, while the installation steps are the same).



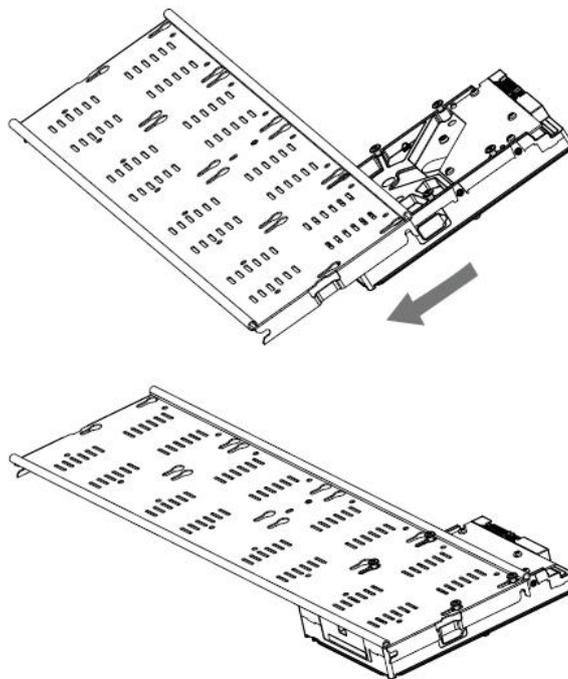
Step4: The HDD bracket is rotatable and can be taken down by pulling up and rotating one side of it.



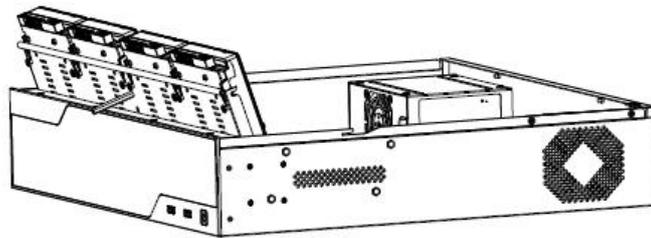
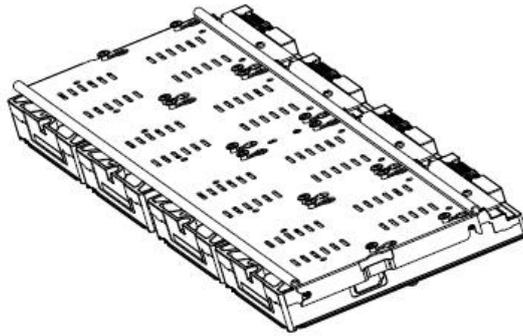
Step5: Secure the HDD with 4 screws. Don't screw tight and leave about 4mm distance at the side of each screw nut. As the enlarged drawing shows:



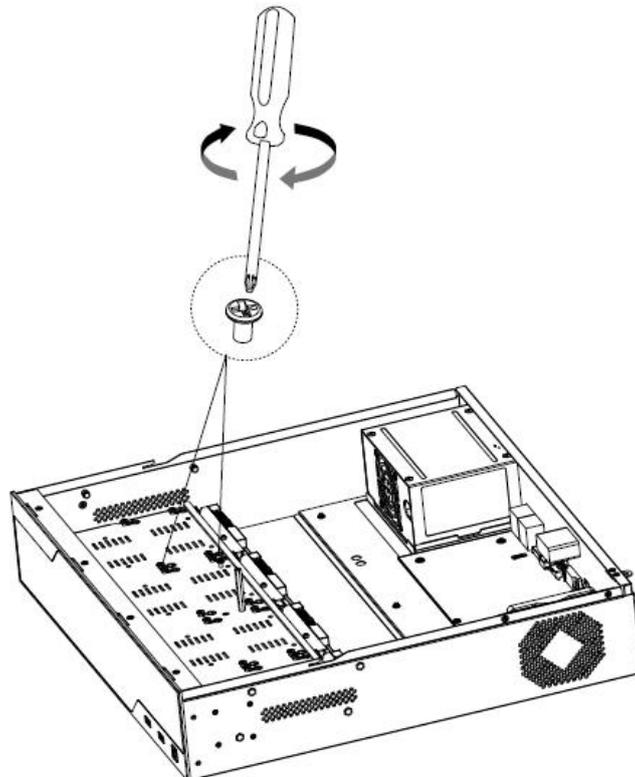
Step6: After securing each HDD with 4 screws, stuck the side with screw nuts in the bracket's slots and then slide down to fix the HDD in the bracket. Screw tight with screwdriver.



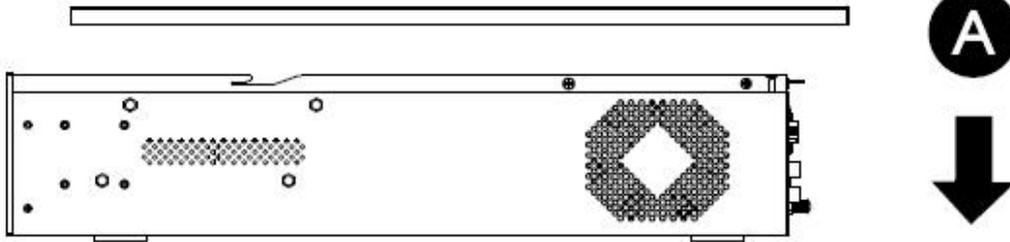
Step7: Repeat the above steps to install HDD in the bracket. Remember to check if you have screwed tight.



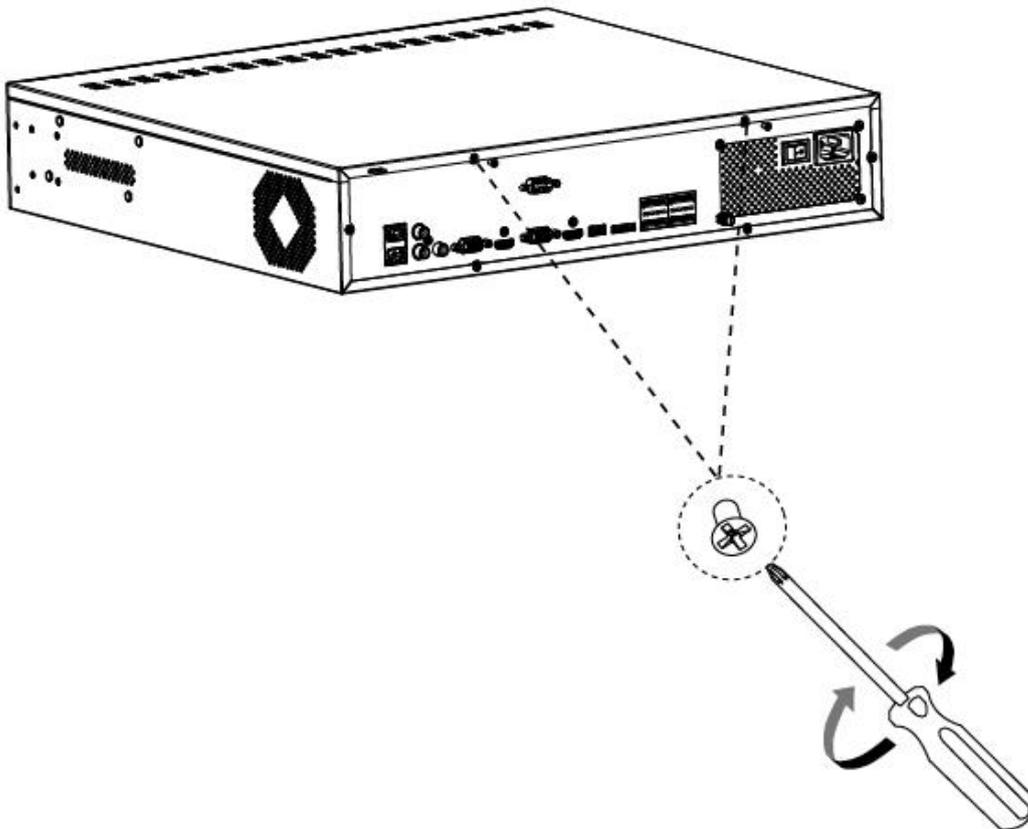
Step8: Secure the 16 screws in HDD and fix the bracket with a screw in the middle of it. Then connect the power cable and data cable to each HDD.



Step9: Pull down the upper casing and slide it to the left.



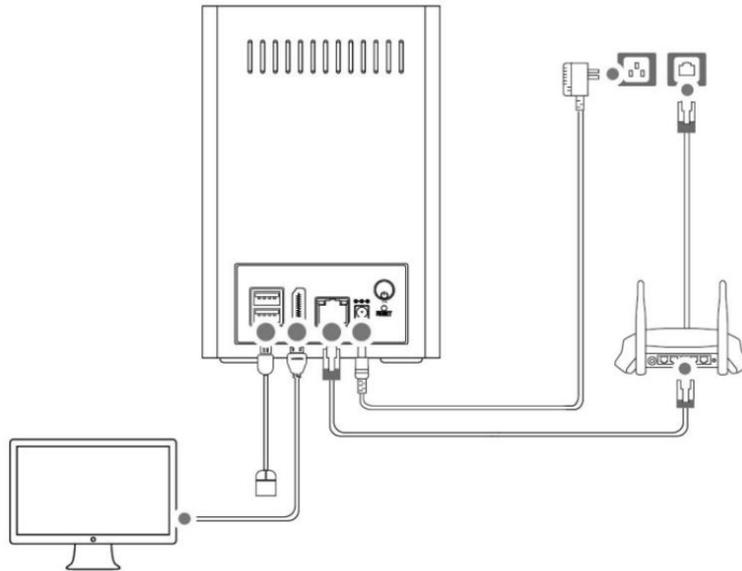
Step10: Retighten the screws on the back.



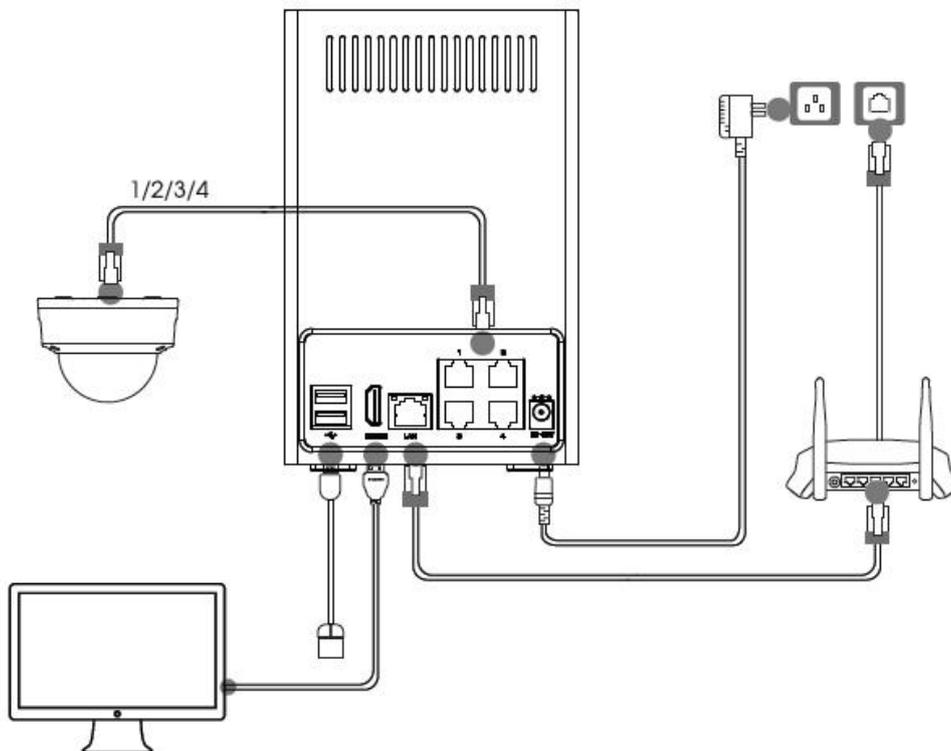
(Pro 8000)

5. Connection Overview

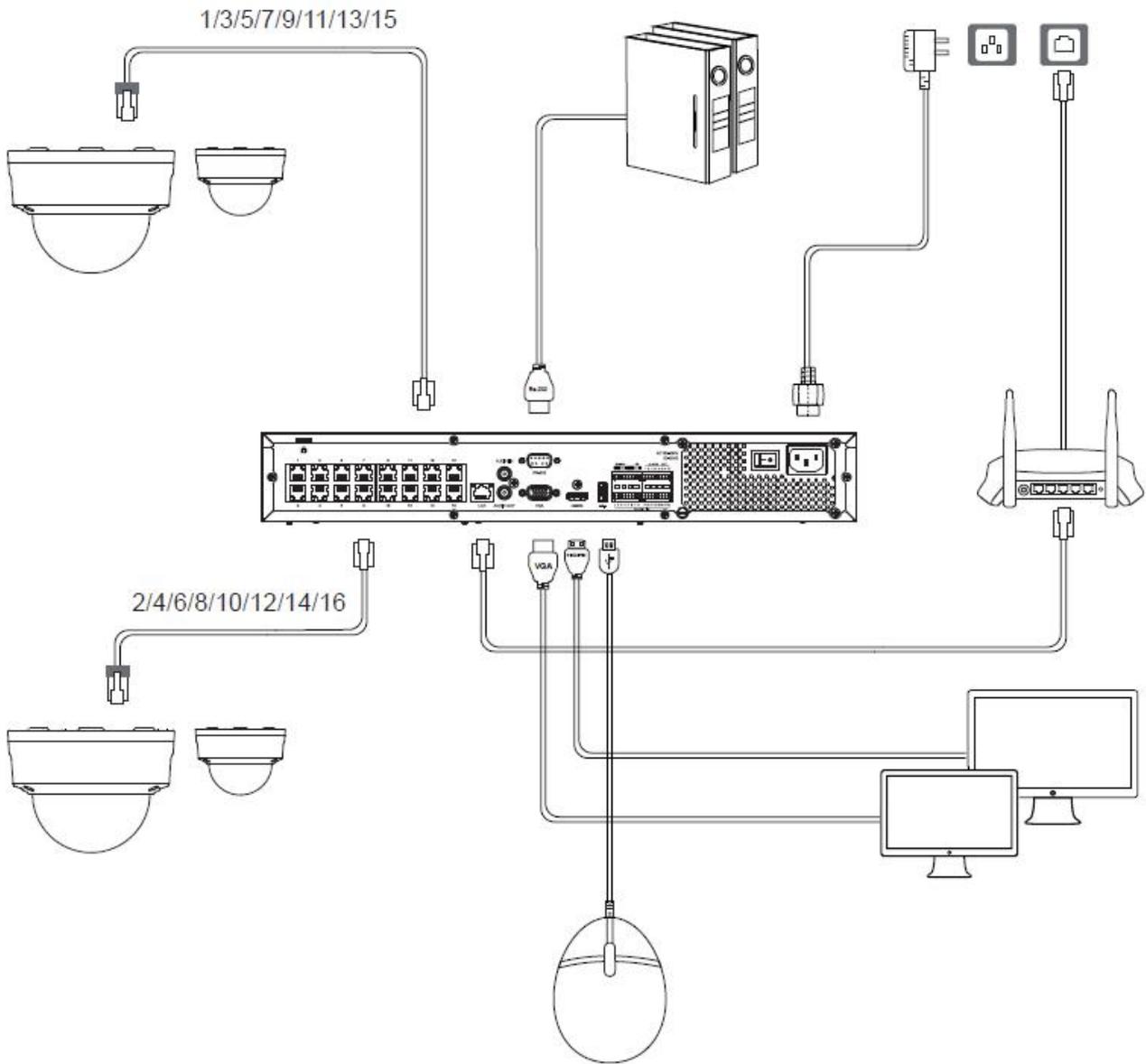
Connect different devices to the interfaces of NVR, taking Mini (PoE) NVR and PoE 7000 NVR for example:



(Mini NVR)



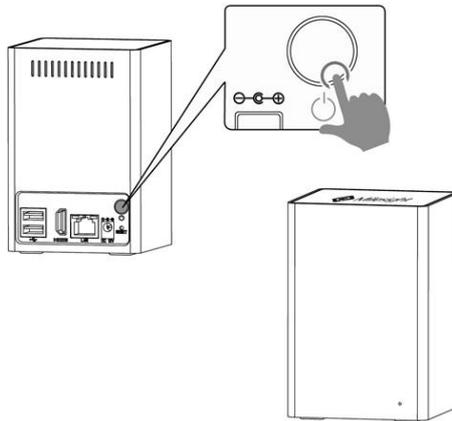
(Mini PoE NVR)



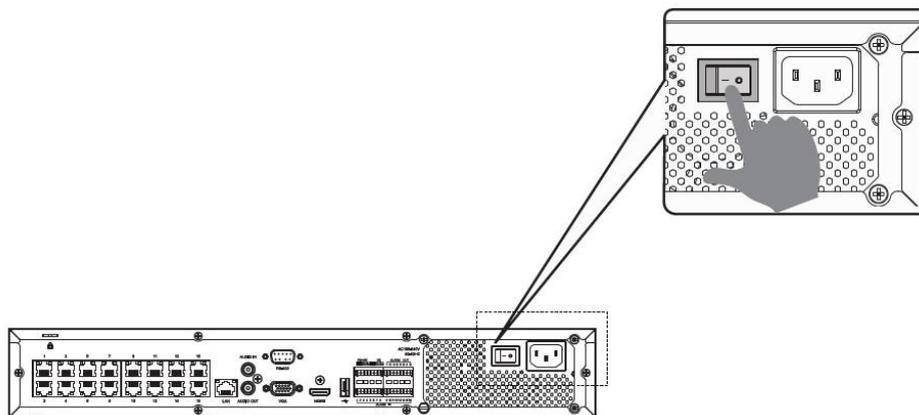
(PoE 7000)

6. Ready to Start

Press the power button (this button is not available on Mini PoE NVR), the LED Indicator will light steadily when it is connected to a power source, taking Mini NVR and PoE 7000 NVR for example:



(Mini NVR)



(PoE 7000)

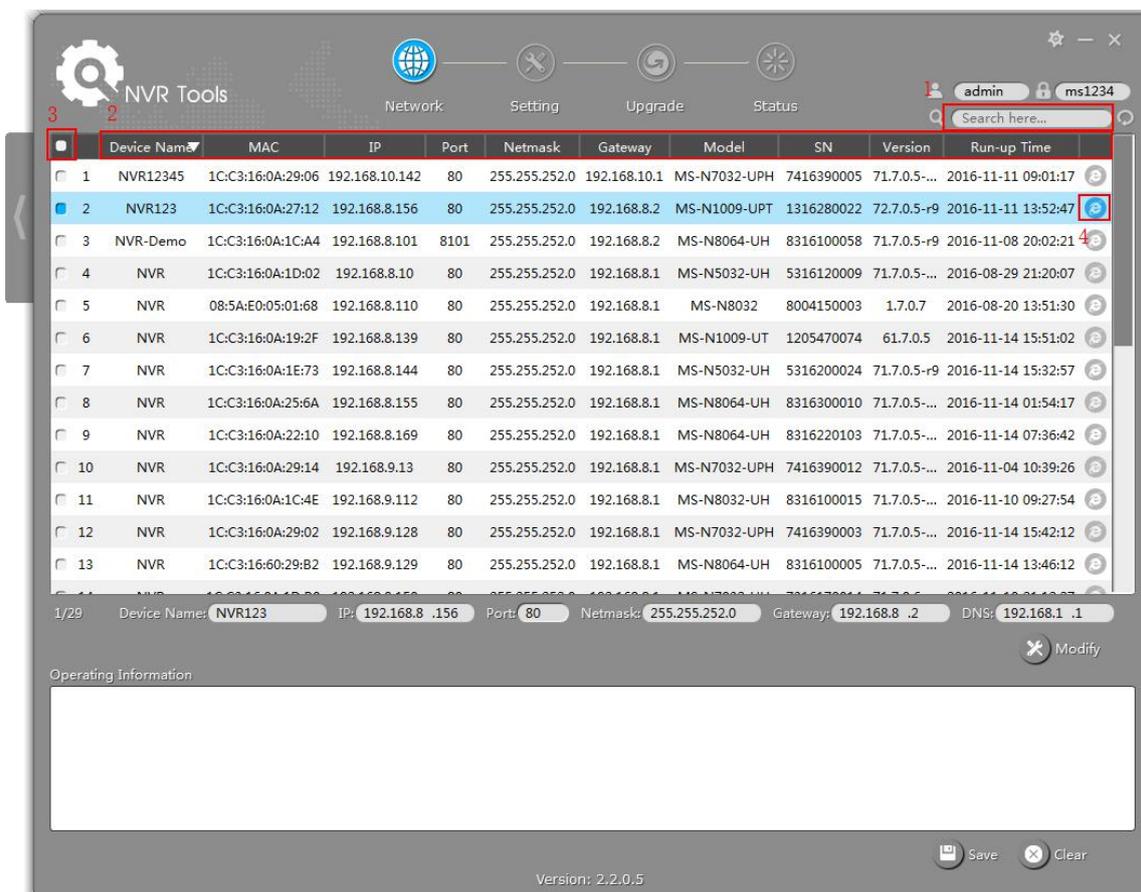
Note: Milesight 4-CH/8-CH/16-CH Plug and Play NVR features 4/8/16 independent PoE Ports. The software can automatically detect and configure the network cameras just after being plugged the cable, greatly eliminating the need for much time and expertise, and achieving a virtually hassle-free installation process.

7. Access to NVR

7.1 Search the NVR via Smart Tools

If the IP address of the NVR is unknown, please use the Smart Tools to search the IP address. Smart Tools can automatically detect online Milesight NVRs connected in the LAN. You can get the IP address of the NVR by searching in the Tools.

Click on the NVR Tools button to enter the NVR Tools interface:



Network Page

The specific steps are as follows:

Step1: Input the MAC address (marked as 1) to search your NVR;

Step2: Click on the area (marked as 2) to list the NVR one by one;

Step3: Click on your NVR in the list (marked as 3), then you can change the parameters including the IP address, Port, Netmask, Gateway and DNS. Click on “Modify” button to apply the settings. (Default IP address of NVR is 192.168.5.200.)

Step4: Click on the Browser button (marked as 4) to access to the web page of the NVR;

(Default user name and password of NVR are “admin” and “ms1234”.)

Note: You can get more information about Smart Tools from the User Manual.

7.2 Via WEB

7.2.1 Log-in

After the NVR being connected to the Internet, you can access to NVR via WEB by IP address.

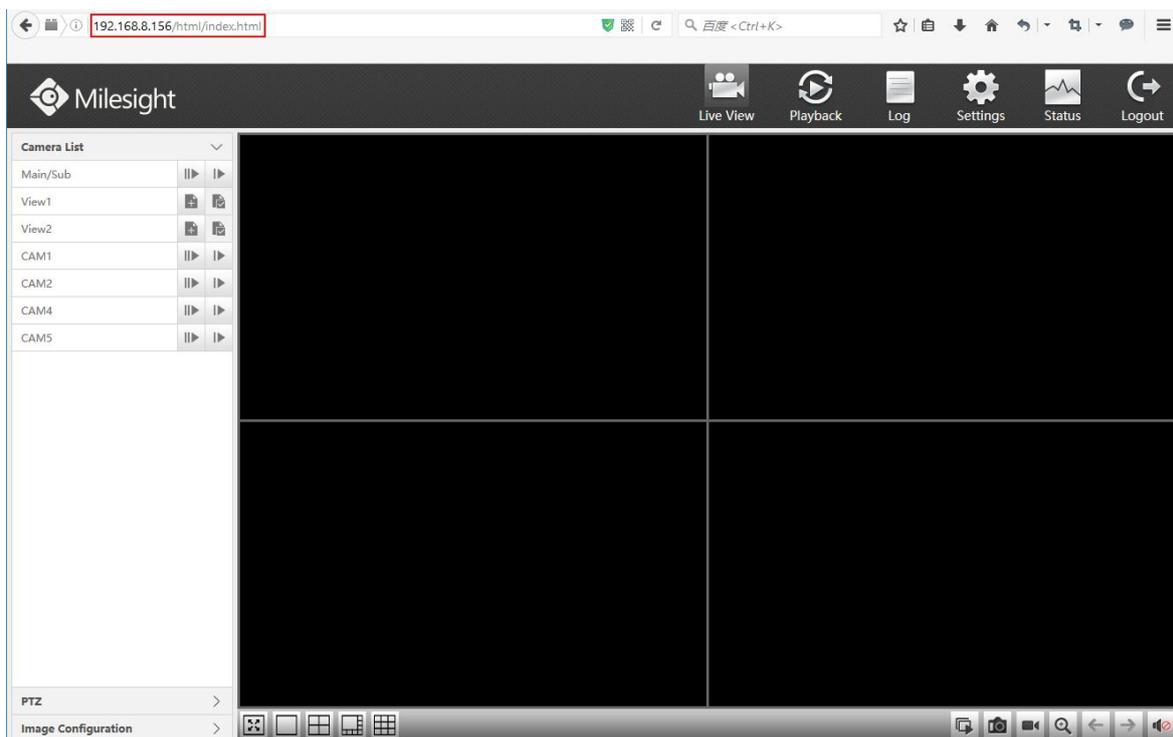
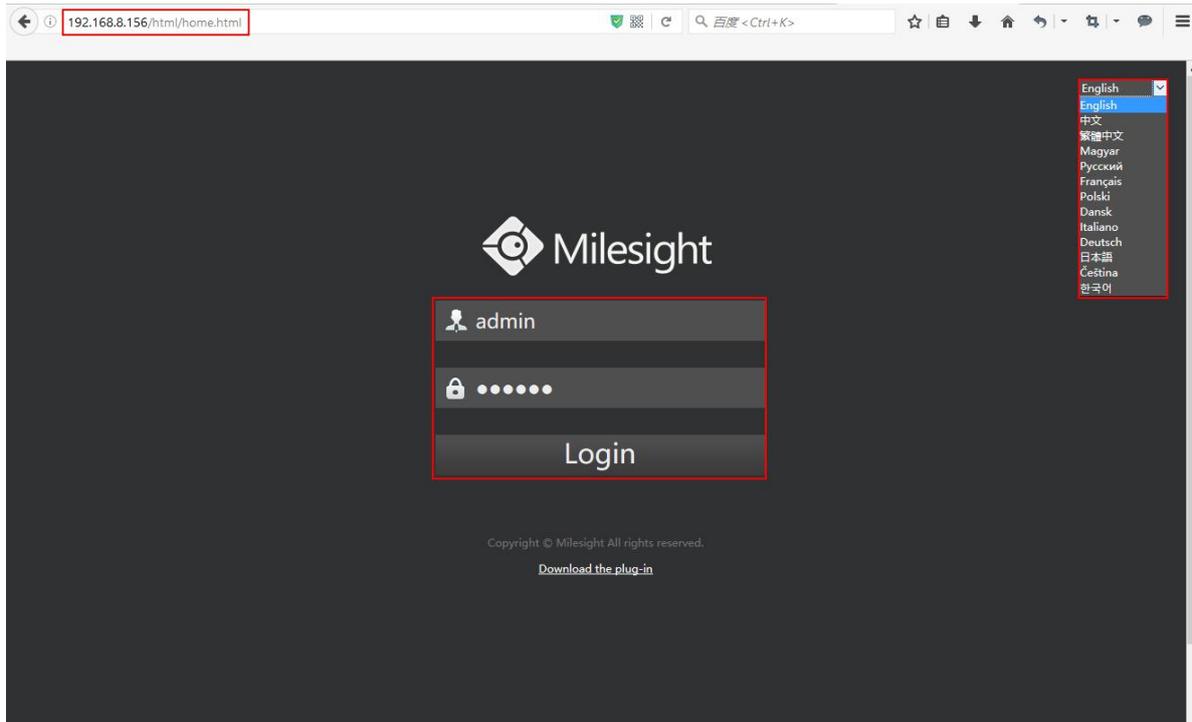
The specific steps are shown as follows:

Step1: Launch the Firefox or other browsers;

Step2: In the address bar of the browser, input the IP address of the device. For example, <http://192.168.8.156> . After that, the log-in page will pop up;

Step3: (You can choose the language before logging in) Input the correct user name and password. Click on the Log-in button to enter the Live View page.

(Default user name and password of NVR are “admin” and “ms1234”.)



Note:

1. If the HTTP Port number is not the default number 80, please input the IP address as follows: <http://IP:Port> .

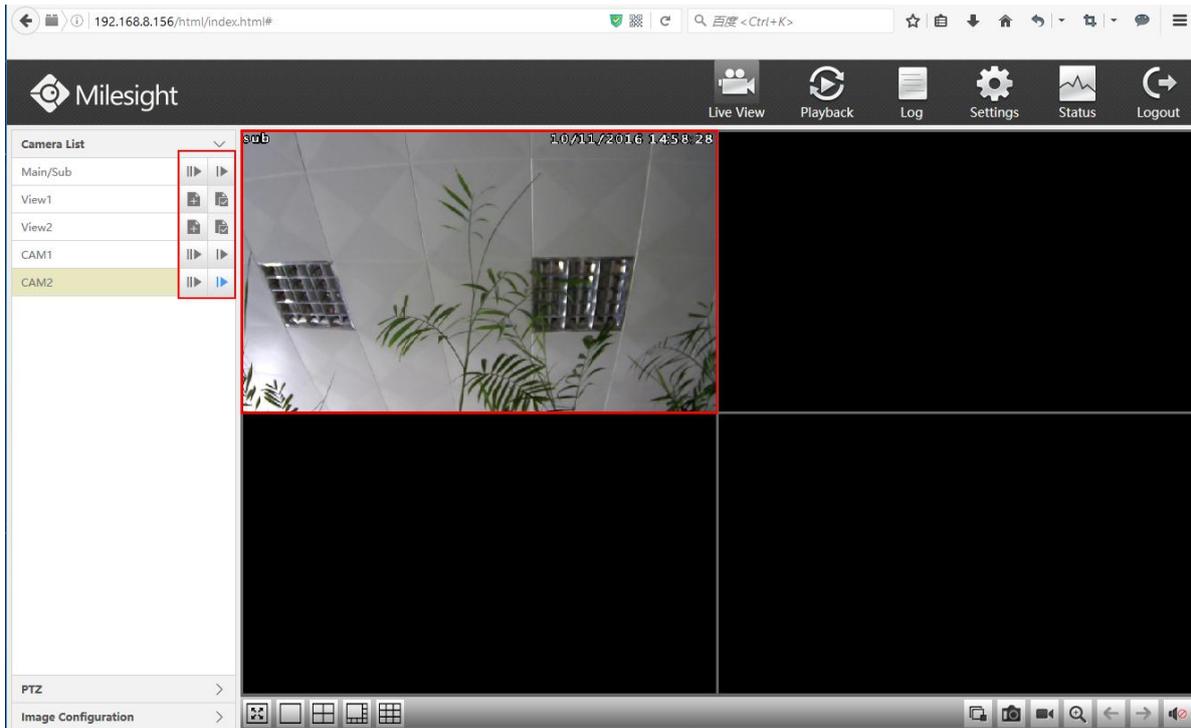
2. If it's your first time to access to NVR via WEB, please install the plug-in. And please close the browser before installing the plug-in.

7.2.2 Live View

After logging in the NVR, you can add cameras to the NVR through the camera settings. After adding cameras, please click on the Live View button to get the preview. (Default user name and password of network camera are "admin" and "ms1234".)

Details are shown as follows:

The screenshot displays the Milesight NVR web interface. The browser address bar shows the URL `192.168.8.156/html/index.html`. The interface features a top navigation bar with icons for Live View, Playback, Log, Settings, Status, and Logout. A left sidebar menu is expanded to show 'Local Configuration' > 'Camera' > 'Camera Management', which is highlighted with a red box. The main content area is titled 'Camera Management' and contains a form for adding a camera. The form fields are: Channel No. (1), Channel Name (CAM1), IP Address (empty), Port (80), User Name (admin), Password (empty), Transport Protocol (UDP), and Protocol (ONVIF). There is a checkbox for 'Sync Time With NVR' which is unchecked. Below the form are buttons for 'Add', 'Refresh', 'Delete', and 'Edit Password'. The 'Add' button is highlighted with a red box. Below the buttons is a table with columns: Channel, Edit, Delete, State, IP Address, Port, Protocol, MAC, Firmware Version, Model, and Vendor. The table is currently empty. At the bottom of the page, it shows 'Free Receive Bandwidth: 90.00Mbps'.



Note: About other configurations, you can refer to the user manual of NVR.

7.3 Via Monitor

There is another way to access to NVR which you can use the HDMI cable to let the NVR combine with monitor.

(Default user name and password of NVR are “admin” and “ms1234”.)

After running the NVR, you can do some configurations according to the wizard.

Details are shown as follows:

Wizard

Admin Password	
<input type="checkbox"/> New Admin Password	
New Password	
Comfirm	

⚡

Start wizard when device starts? Back Next Skip

Password Modifying

Wizard

Time Zone	8 China (Beijing) ▾
Daylight Saving Time	Automatic ▾
<input checked="" type="checkbox"/> Automatically Synchronize With an Internet Time Server	
NTP Server	pool.ntp.org
<input type="checkbox"/> Set Date and Time Manually	
Set Date and Time	2016.11.10 13:49:17

⚡

Start wizard when device starts? Back **Next** Skip

Time Setting

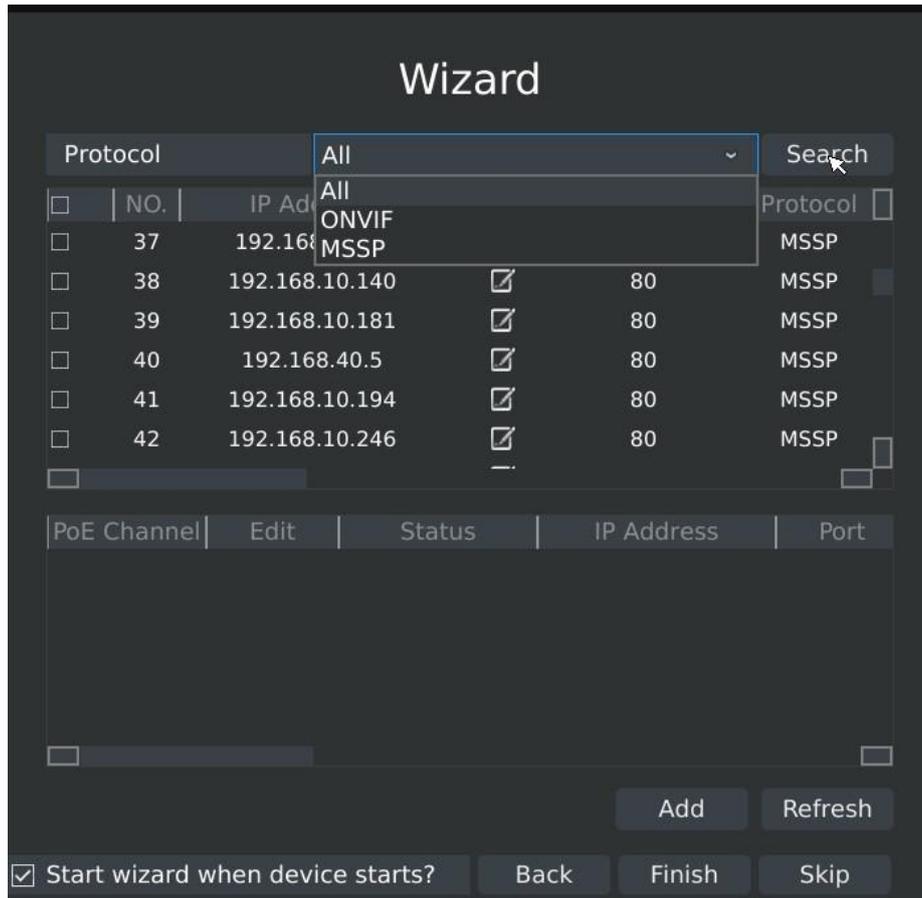
Wizard

Select NIC	LAN1 ▾
Enable DHCP	<input type="checkbox"/>
IP Address	192.168.8 .156
Subnet Mask	255.255.252.0
Gateway	192.168.8 .2
Preferred DNS Server	192.168.1 .1
Alternate DNS Server	. . .
Internal NIC IPv4 Address	192.168.20 .1

⚡

Start wizard when device starts? Back **Next** Skip

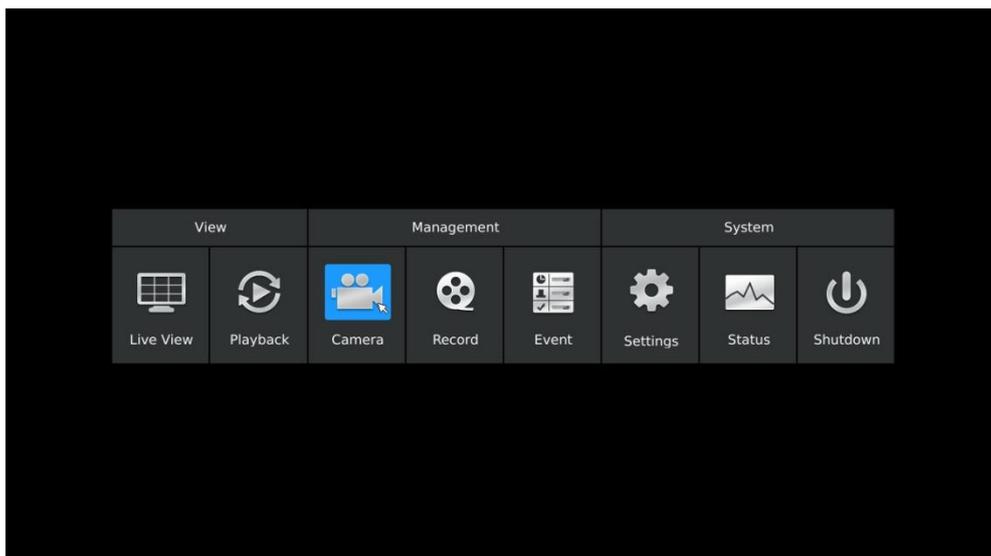
Network Setting



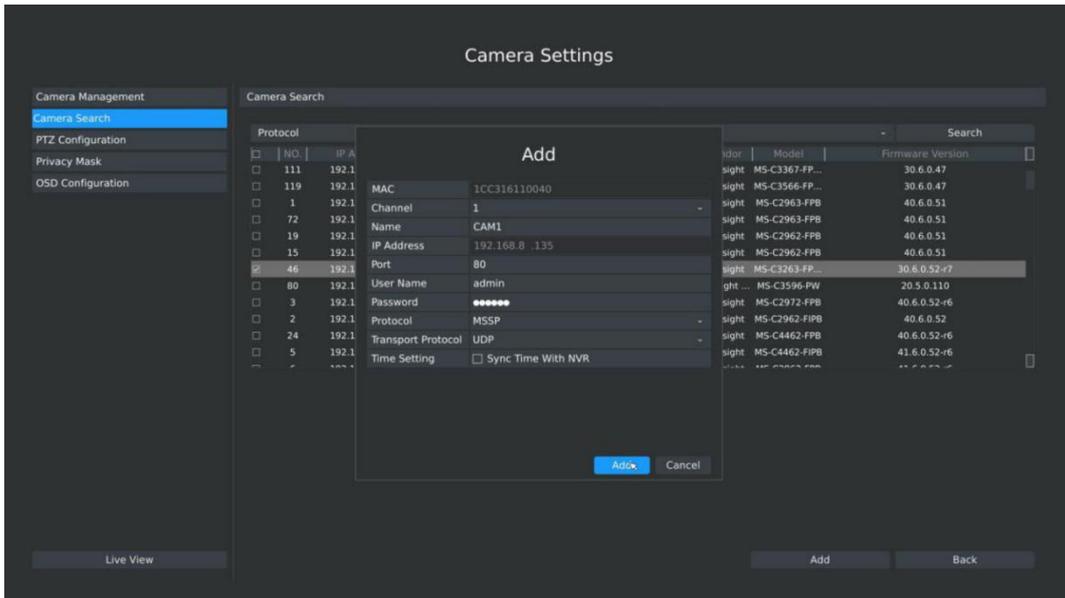
Camera Adding

Also you can skip the wizard, then add cameras in Camera Management.

Details are shown as follows:

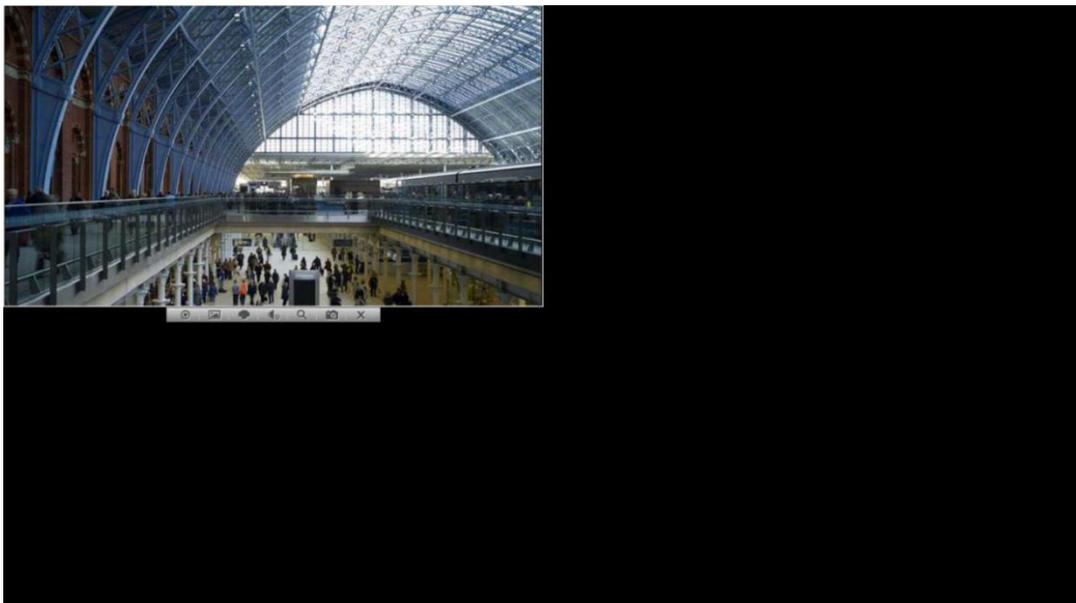


Camera Management



Camera Settings

After adding cameras successfully, you can choose the Live View to preview.



Live View

NVR Series

**Thank you
for choosing
Milesight Product**

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