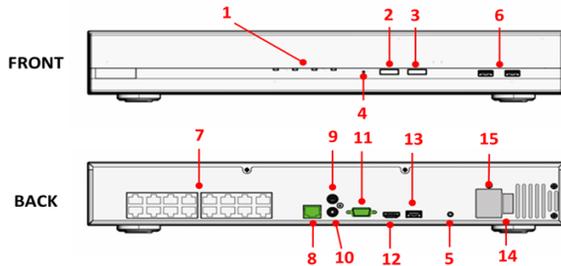


Quick Start Guide

AV NVR PoE Network Video Recorder

Hardware Overview



No.	LEDs	Status	Definitions
1	Power	Solid Light	Power on
		Disk	Solid Light
	Disk	Blinking	Failed HDD
		Off	No HDD/ HDD is offline
	Status	Solid Light	Operating properly
		Blinking (100ms On/Off)	Restore factory default process/ Firmware update
Continuous Blinking (1000ms On/Off)		Failed firmware update	
Alarm	Blinking	System/Camera event occurs	
No.	Buttons	Status	Procedure
2	Mute	Stop	Press to stop a buzzer
		Restore display defaults	Press and hold for 5 seconds
3	Record	On	Press and hold for 1 second
		Off	Press and hold for 1 second
4	Reset	Restore default	Press and hold for 10 seconds
		Restart	Press and hold for 1 second
5	Power	On/ Off	Press and hold for 1 second
		HW Force Off	Press and hold for 10 second

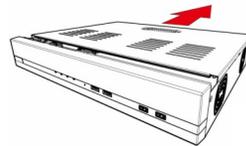
No.	Interfaces	Definitions
6	USB	2x USB 2.0
7	PoE	PoE network interfaces
8	Ethernet	RJ-45 10M / 100M / 1000M
9	Audio Input	1-Ch, RCA
10	Audio Output	RCA
11	VGA	VGA output connector
12	HDMI	HDMI output connector
13	USB	1x USB 3.0
14	Power Switch	Power on /off
15	Power In	100~240V AC, 50/60Hz

Preparation

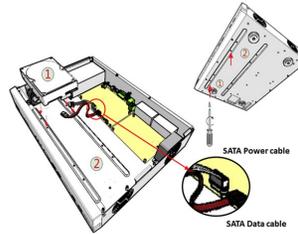
- If you would like to install HDDs or expand your HDD capacity, please refer to "HDD installation" section.
- Connect supplied AC power cord to the power input (#15) on the NVR
- Connect a Cat 5e cable to the LAN 1 port (#8) on the NVR
- Connect a monitor to the HDMI (#12) or VGA (#11) interface on the NVR.
- Connect supplied mouse to the USB port (#6 or #13) on the NVR
- Connect your Audio in/ out device to the Audio In (#9) / Out (#10) interface on the AV NVR.

HDD Installation

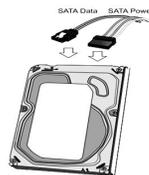
- Unscrew the two screws from the AV NVR cover



- Connect SATA Power cable and SATA Data cable on the AV NVR's main board, and install HDDs on the NVR by securely fastening the four screws on each HDD.



- Connect SATA Power cable and SATA Data cable to the HDD.



- Re-install the AV NVR cover and securely fasten the six screws

Power on the NVR

- Plug AC power cord into 100 to 240V AC outlet.
- Turn power switch (#15) on.
- Click power button (#5)
- Power indicator (#1) should show a solid light.

Connect to the NVR

- Use default IP address, 192.168.101.50, to connect to the AV NVR
- Use the default username "admin" and password "admin" to login to the AV NVR.

NOTE: It's highly recommended that you change the password during initial setup.

NOTE: You can have 4 to 31 characters including upper and lower case letters, digits for both User Name and Password, and only allow four symbols: ".", "@", "_", "&".



(If needed) Format HDD

Visit **Settings** > **Storage** > **Storage Status**, and click "Format" to initialize the HDD.

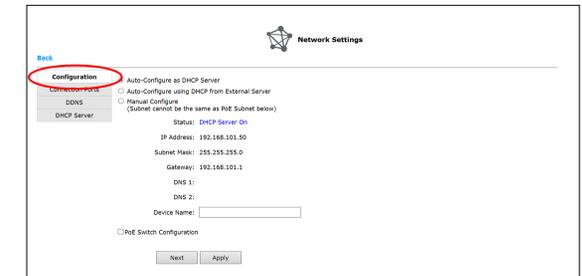
Set Time & Date

Visit **Settings** > **Time & Date**

Set Network Settings



- Visit **Settings** > **Network Settings**
- Select "Auto-Configure as DHCP Server" if you would like to enable DHCP.



Connect IP cameras

- Plug cameras into PoE ports (#7)
- NOTE: This product supports Smart Plug-and-Play, so cameras should be set up and configured automatically in couple minutes.
- SurroundVideo and MicroDome Duo cameras will take four and two channels, so please make sure plug the next camera into the following ports. For example, if one SurroundVideo camera plugs into Port#1, the next camera should plug into Port#5 since the SurroundVideo camera has taken Channel#1, #2, #3, and #4.
 - (If necessary) Visit **Settings** > **Channel**
 - (If necessary) Add cameras by "Auto Search" or "Manually".

Recording & Scheduling

- The default setting for all channels is Event Record at all times.
- (If necessary) Visit **Settings** > **Recording** to update the settings
- (If necessary) Visit **Settings** > **Scheduling** to update the settings

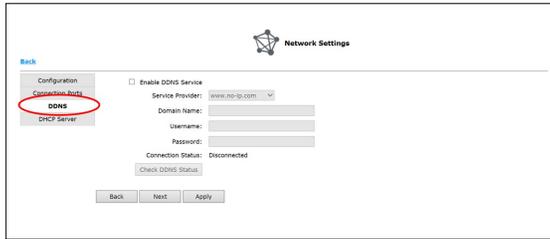
NOTE: For more advanced video parameter settings, you will need to visit the camera's web interface. To do so you need to connect your laptop/PC directly to the PoE ports.

STEP 1 SET UP PORT FORWARDING

Configure port forwarding for the AV NVR HTTP port (default 80) and the streaming port (default 9877) on your router/gateway.

STEP2 SET UP DDNS

1. Visit **Settings** > **Network Settings** > **DDNS**
2. **Service Provider:** The AV NVR supports "DynDNS" or "No-IP" DDNS services. For more information, please visit www.dyndns.com & <http://www.noip.com/>
3. **Domain Name:** enter the domain name you registered with the DDNS service
4. **Username:** enter the username you registered with the DDNS service
5. **Password:** enter the password you registered with the DDNS service



STEP3 SET UP MOBILE APP (IOS. If using Android, please go to STEP 4.)

1. Download "NVR Viewer" from App Store



2. Run the APP, and ready to set up your AV NVR. You will see an empty Sever List.



3. Tap "+" to add AV NVR manually
4. Specify your Name, IP address(or DDNS domain name), Port (HTTP port: default 80), User Name and Password (to access the NVR).



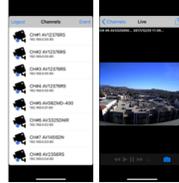
5. Tap the below icon to save the AV NVR info.



6. Now, you will see the AV NVR list on the Server List.



7. Tap the AV NVR on the Server List.
8. After connecting successfully, you will see the Channel List of the AV NVR
9. Tap the desired channel to see the live view.



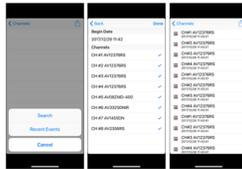
10. Tap the below icon to save a snapshot.



11. Tap the below icon to do Keep Ratio, Audio, Playback, and Digital PTZ.



12. Tap "Event" on the Channel List page to search event.
13. Tap "Search" to search event manually, or tap "Recent Events" to search recent events only.



14. Tap any event to start playback.
15. Tap "Logout" on Channel List to logout AV NVR and back to Server List.

STEP4 SET UP MOBILE APP (Android)

1. Download "NVR Viewer" from Google Play



2. Run the APP, and ready to set up the AV NVR. You will see an empty NVR Overview.
3. Tap "+" to add a NVR manually.



4. Specify your Name, IP address(or DDNS domain name), Port (HTTP port: default 80), User Name and Password (to access the AV NVR).
5. Or, tap "Search" to search AV NVR in LAN, and select a NVR from the search result.



6. Tap "Detect" to connect the NVR.



7. Tap "Save" to save this AV NVR to NVR Overview.



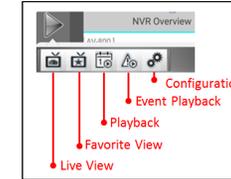
8. Now, you will see the AV NVR list on NVR Overview.



9. Tap left-hand side bar on the NVR Overview page, and you will see the icons for Function Menu, System Information, NVR Overview, and Favorite Overview.



10. Tap "Function Menu", and you will see the icons for Live View, Favorite View, Playback, Event Playback, and Configuration.



11. In Live View or Favorite View, you can see the icons for Change NVR/ Favorite, Single View, Quad View, and Keep Ratio.



12. You can change Channels/ Favorite by swiping the video from left to right.

13. Tap the video, and you will see the icons for Audio, Digital PTZ, PTZ, Snapshot, and OSD.

