

## P2P Function on Dahua Recorders and Network IP Cameras

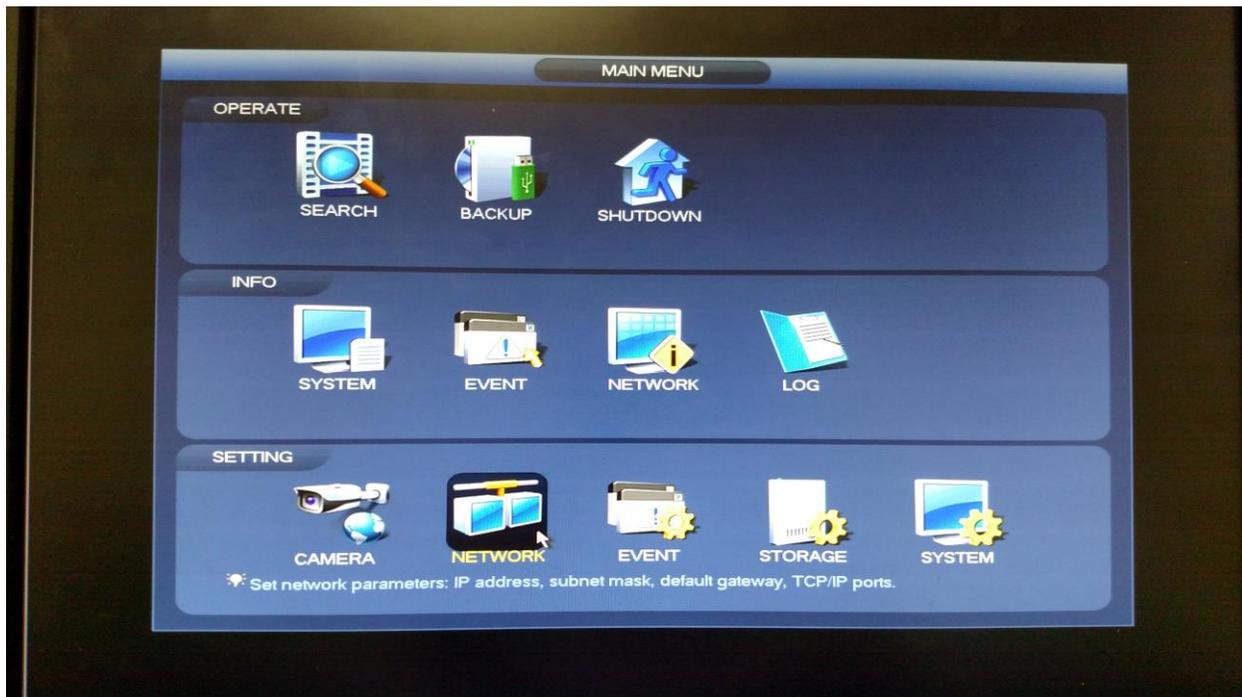
As many installers can attest, port forwarding for external access to recorders and cameras can be a hassle. There are instances in which opening ports may not be a possibility such as when working with satellite Internet Service Providers or when setting up network connectivity through mobile hotspots. Often times ISPs will block port forwarding capabilities leading to hang ups at an install or require you to purchase an expensive static IP service for external access. There are times where a network is so complex that it takes several days of IT work to figure out the topology and what devices need port forwarding to reach the Wide Area Network (WAN).

The P2P (Peer-to-Peer) feature allows for the user to access a recorder or camera without having to forward ports by utilizing an intermediary server to organize connectivity between devices. Very simply, the user can either scan a QR code on the recorder or IP camera's GUI (P2P menu) or enter in the Serial Number (SN) into the Smart PSS to have direct access to those devices remotely.

The following is a quick rundown of how to setup the P2P functionality on recorders and IP cameras using version 3.2 firmware:

Using the DMSS mobile app:

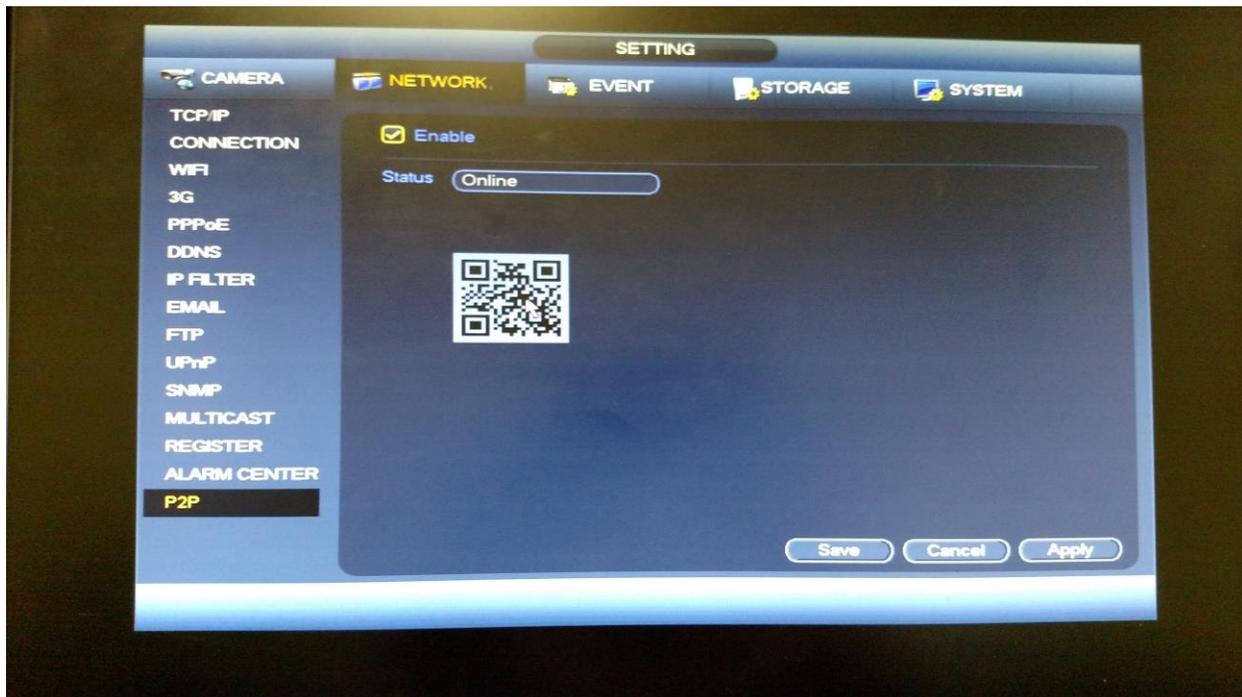
1. On the Recorder (DVR, NVR, HDCVR, etc.) right click on the live preview screen and select Main Menu. Login using the proper credentials and select Network.



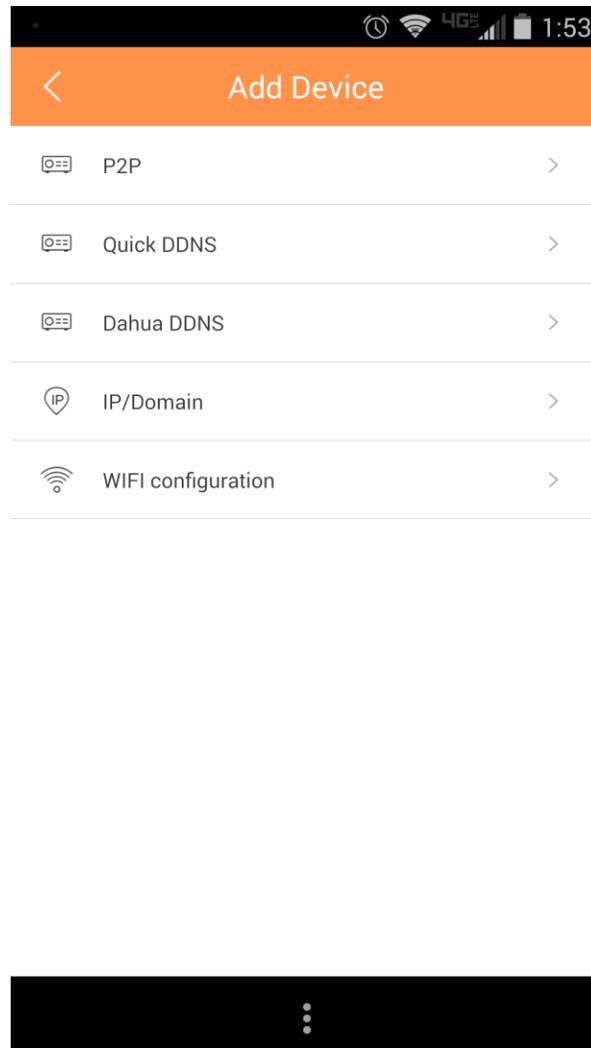
2. In the Network menu, select the P2P submenu on the left side.



3. On the P2P menu, check the Enable checkbox to enable the P2P function. Note the scanable QR matrix barcode.



4. Launch the iDMSS or gDMSS mobile app on a mobile device. Select Camera mode and then enter into the Main Menu by selecting the button in the upper left corner of the screen. In the Main Menu, select Device Manager. On the Device Manager menu, select P2P (register mode).



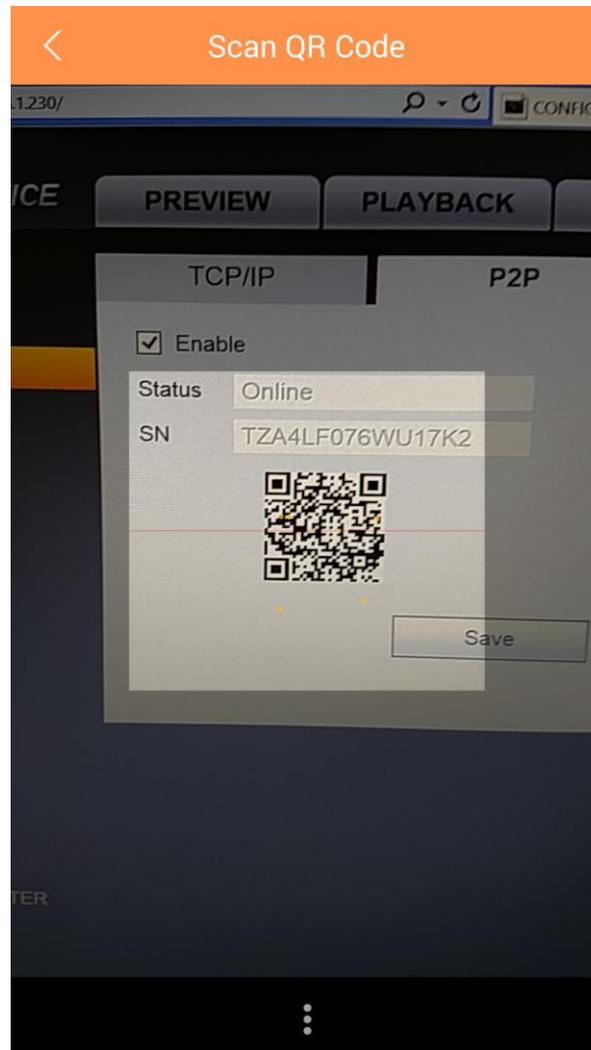
5. On the DMSS P2P menu, enter in a name to denote the device. The user can either enter in the Serial Number (SN) of the device into the SN input box or select the QR code button to scan the QR code on the recorder (noted in step 3) to automatically detect the SN. Ensure the proper username and password is entered into the appropriate input boxes and select the stream types required for both live and playback. Finally, click the Start Live Preview button to connect and begin viewing the live video feeds.

The screenshot shows a mobile application interface for configuring P2P settings. At the top, there is a status bar with icons for signal strength, Wi-Fi, 4G, and battery, along with the time 1:54. Below the status bar is an orange header with a back arrow, the text "P2P", and a save icon. The main content area consists of several rows of configuration options:

- Register Mode:** P2P
- Name:** (empty input field)
- SN:** (empty input field with a QR code icon to its right)
- Username:** admin
- Password:** (masked with six dots)
- Live Preview:** Extra >
- Playback:** Extra >
- Check VTO:** (with a circular refresh icon)

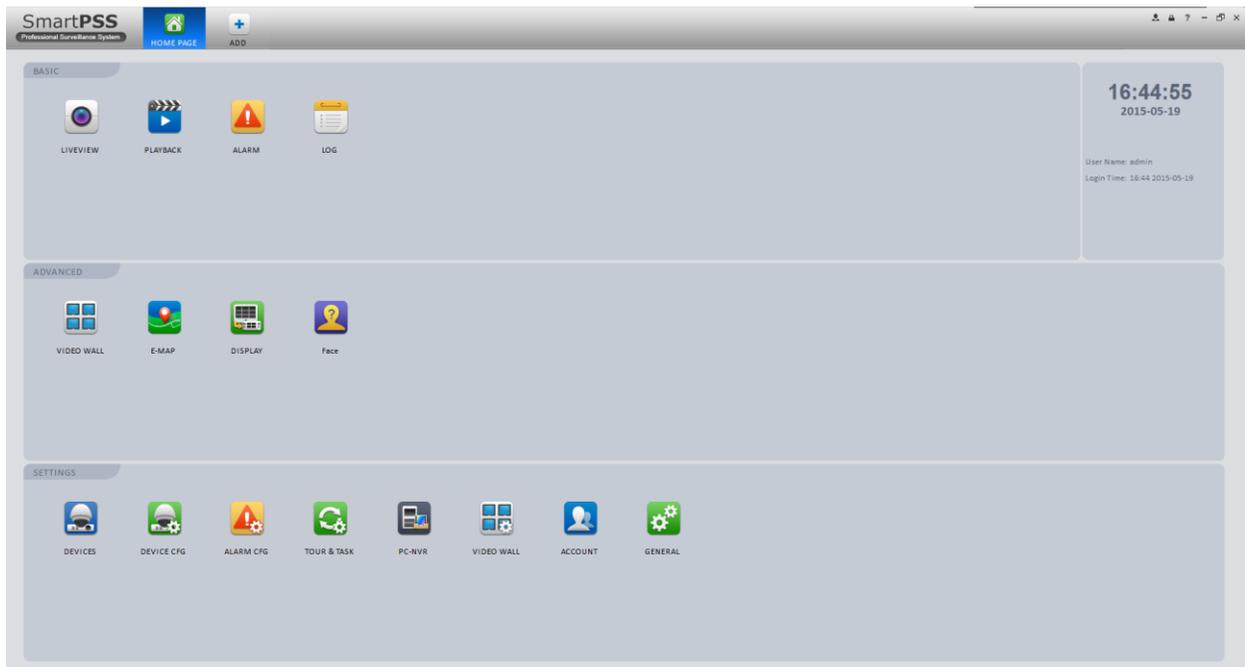
At the bottom of the form is a large grey button labeled "Start Live Preview". Below the button is a black bar with three white dots, indicating a menu or options.

NOTE: The P2P QR code can also be found on the Web Service (web browser GUI) for scanning. Navigate to Setup, Network, TCP/IP and then the P2P tab.

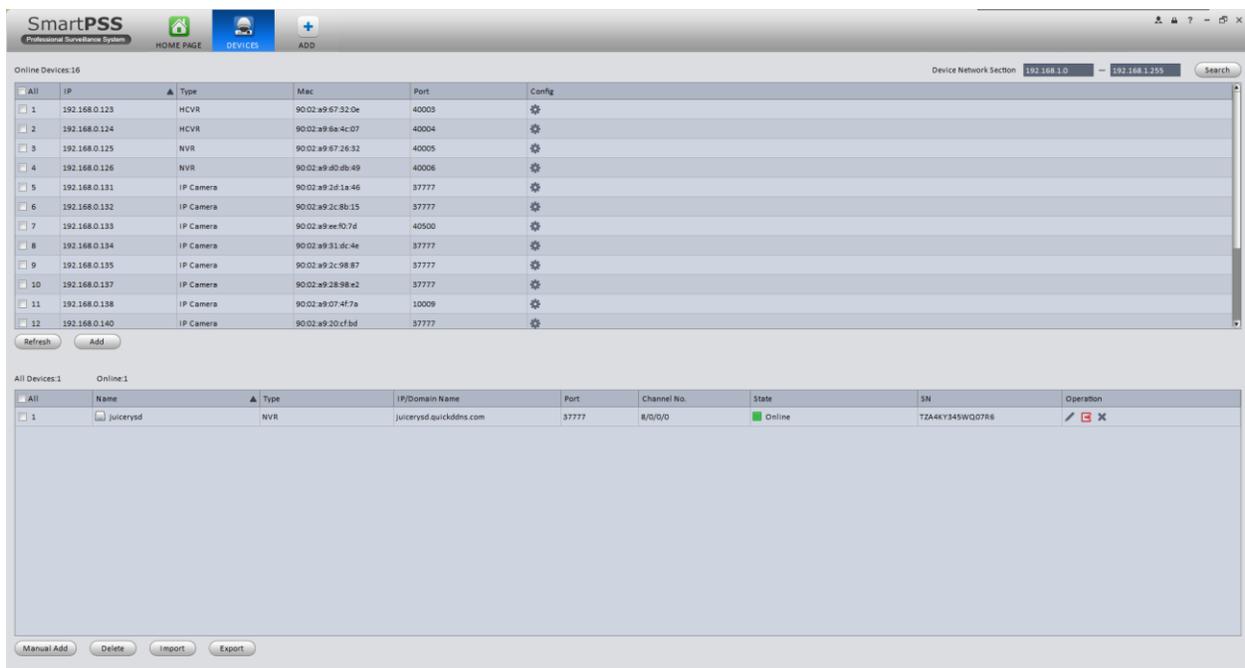


## Using the Smart PSS:

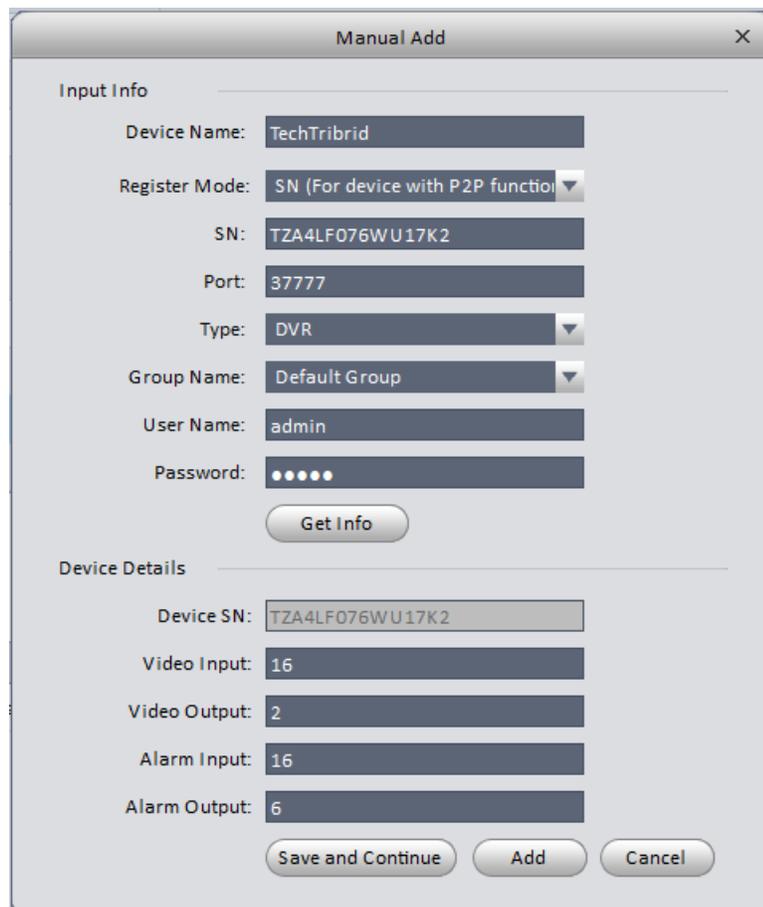
1. Launch the Smart PSS software, login and navigate to the Main Menu.



2. Select the Devices button to enter into the Devices menu.



3. Click the Manual Add button to open up the Manual Add form. Change the Register Mode to SN and then enter in the Serial Number (SN) of the device you want to view remotely in the SmartPSS. Be sure to enter in the proper login credentials (username and password) and click the Get Info button to verify that the SmartPSS can detect the Device Details on the bottom half of the form. Once the details are verified, click the Add button to successfully add the device to your SmartPSS device list.



The image shows a 'Manual Add' dialog box with two sections: 'Input Info' and 'Device Details'. The 'Input Info' section contains fields for Device Name, Register Mode, SN, Port, Type, Group Name, User Name, and Password, along with a 'Get Info' button. The 'Device Details' section contains fields for Device SN, Video Input, Video Output, Alarm Input, and Alarm Output, along with 'Save and Continue', 'Add', and 'Cancel' buttons.

Field	Value
Device Name	TechTribrid
Register Mode	SN (For device with P2P function)
SN	TZA4LF076WU17K2
Port	37777
Type	DVR
Group Name	Default Group
User Name	admin
Password	•••••
Device SN	TZA4LF076WU17K2
Video Input	16
Video Output	2
Alarm Input	16
Alarm Output	6