ACTi
Knowledge Base

Category: Installation & Configuration Note
Sub-category: Streaming & Networking
Model: ZNR-Series, Z-Series
Firmware: N/A
Software: N/A
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ZNR / Z-Series Device Port Forwarding Setup SOP

Configuration Principle

- It is recommended to use the **same port number** for internal and external ports to simplify management and troubleshooting.

- In addition to modifying the device's port settings, you must also go to the **Port Mapping** page and manually assign the same port numbers.

Example Configuration

| Item	Internal (Private) Setting	External (Public) Mapping
Private IP	192.168.0.50	
HTTP Port	6000	6000
RTSP Port	6001	6001
Public IP		81.223.74.122

NOTE: Port numbers like 6000 and 6001 are just examples. You may assign any available port numbers based on your local network design and to avoid conflicts.

Setup Steps

Step 1: Modify Device Port Settings

1. Log in to the device's web interface.

2. Go to **[Settings] > [Network Configuration] > [Port]**.

3. Modify the following settings (use any available port numbers as needed):

    a. HTTP Port: e.g., 6000

   b. RTSP Port: e.g., 6001

4. Click **Save** and log in again.

    You can define any unused port numbers based on your network environment and available resources.
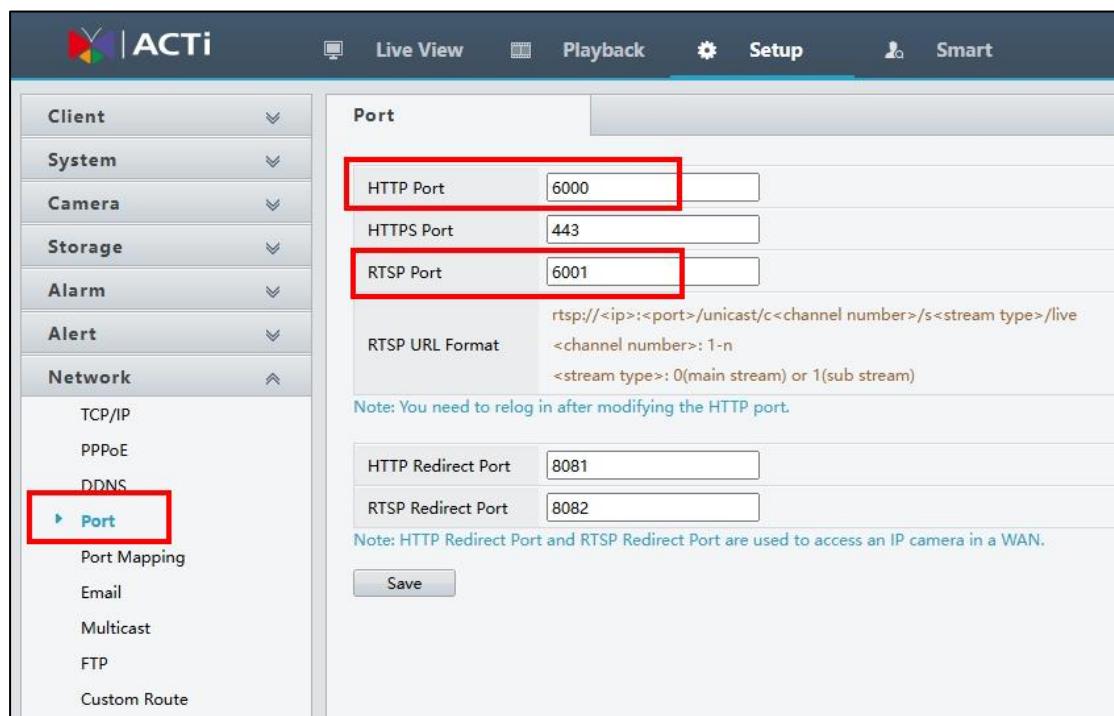
Step 2: Manually Configure Port Mapping

1. Go to **[Settings] > [Network Configuration] > [Port Mapping]**.

2. Set **Port Mapping** to **Enabled**.

3. Set the **Mapping Mode** to **Manual**.

4. Make sure the internal and external ports match:

    a. HTTP: Internal = 6000, External = 6000

    b. RTSP: Internal = 6001, External = 6001

5. Click **Save**.

    Port numbers must match the ones set in Step 1. It is recommended to use the same values, but you may adjust them depending on your external access needs.
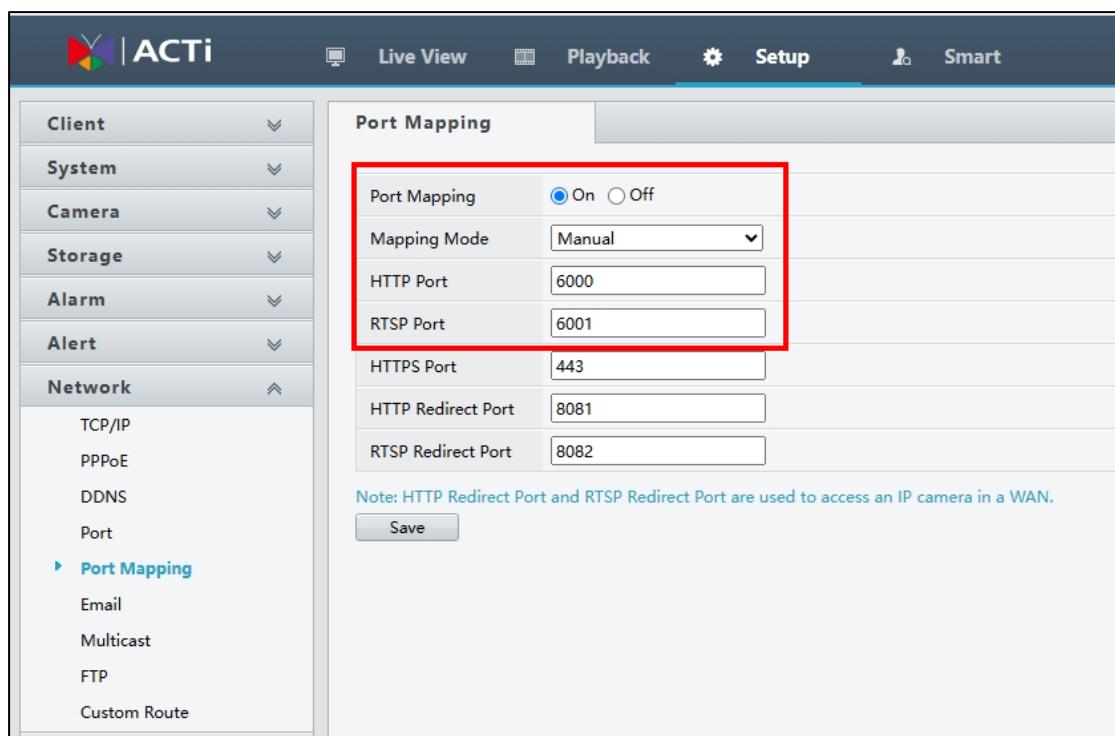
Step 3: Configure Port Forwarding on Router / Firewall

1. Log in to your router or firewall interface.

2. Create the following forwarding rules (based on the example):

    a. External Port 6000 → Internal IP 192.168.0.50:6000

    b. External Port 6001 → Internal IP 192.168.0.50:6001

3. Save and apply the settings. Reboot Port Forwarding service if necessary.

Step 4: Test External Access

From an external network (e.g., mobile 4G), open a browser and visit:

http://[Public IP]:6000

NOTES:

- You must re-login to the web UI after changing the port settings.

- Ensure the router/firewall allows traffic through the specified TCP ports.

- If port values are mismatched or port mapping is not properly configured, the device will not be accessible from external networks.