



Milesight-Troubleshooting

UPnP

| | | | |
|----------------|-----------|--------|------------|
| Camera Version | XX.7.0.66 | Update | 2018.08.08 |
| Camera Version | XX.8.0.1 | Update | 2022.4.18 |

1. What is UPnP

UPnP(Universal Plug and Play) is to realize automatic port mapping and automatic identification of the network cameras' gateway device.

It makes household and office network applications become more simple. By opening the UPnP, the applications do not need to correspond again through a router port mapping, and the cameras that outside the network can also be accessed.

2. How to Set UPnP

Log in web, and go to "Network "→ "Basic "→ "UPnP"

There are two ways to use UPnP:

Way1: Automatically access port: you can automatically obtain the corresponding HTTP and RTSP ports without the need to make any settings.

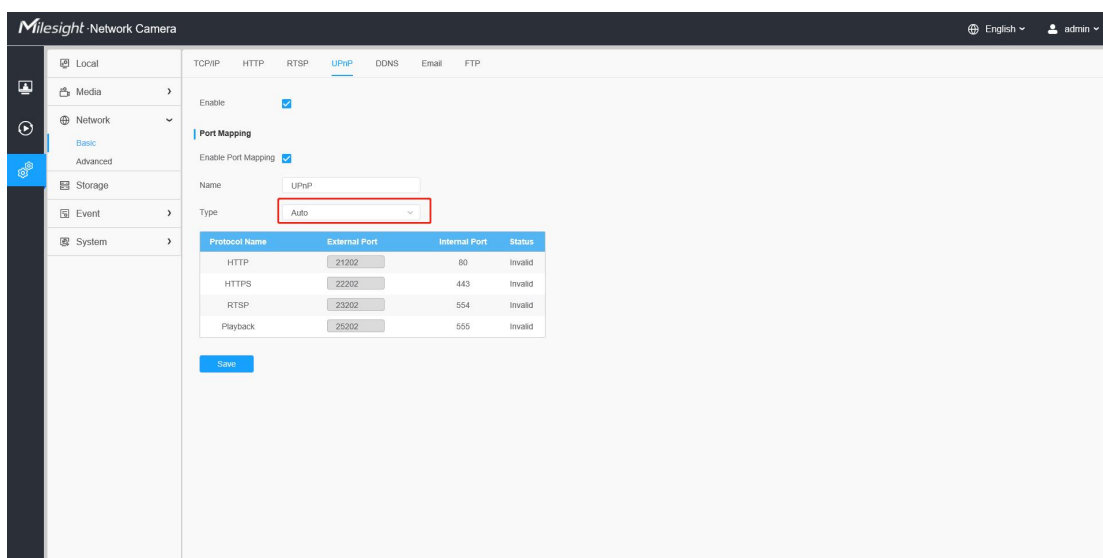


Figure 1

Way2: Manually set port: you need to manually set the appropriate HTTP port and RTSP port.

TCP/IP HTTP RTSP **UPnP** DDNS Email FTP

Enable ☒

Port Mapping

Enable Port Mapping ☒

Name

Type Manual

| Protocol Name | External Port | Internal Port | Status |
|---------------|------------------------------------|---------------|--------|
| HTTP | <input type="text" value="21202"/> | 8083 | valid |
| HTTPS | <input type="text" value="22202"/> | 443 | valid |
| RTSP | <input type="text" value="23202"/> | 559 | valid |
| Playback | <input type="text" value="25202"/> | 555 | valid |

Figure 2

HTTP/ RTSP internal ports setup steps: “Basic”→“HTTP”/“RTSP”

TCP/IP **HTTP** RTSP UPnP DDNS Email FTP

HTTP

Enable ☒

Port

HTTPS

Enable ☒

Port

Installed Certificate

Attributes

Awarded to:
C=US, H/IP=IPC
Issuer:
C=US, H/IP=IPC
Period of Validity:
Dec 17 22:46:09 2019 ~
Sep 11 22:46:09 2022

Installation Type Create a Private Certificate

Figure 3

| TCP/IP | HTTP | RTSP | UPnP | DDNS | Email | FTP |
|-------------------------|------|----------------------|------|------|-------|-----|
| | | | | | | |
| RTSP Port | | 554 | | | | |
| Playback Port | | 555 | | | | |
| RTP Packet | | Better Compatibility | | | | |
| Multicast Group Address | | 239 . 6 . 6 . 6 | | | | |
| QoS DSCP(0-63) | | 0 | | | | |
| <div>Save</div> | | | | | | |

Figure 4

Note:

- 1) After enabling UPnP on web, you also need to enable UPnP on router settings. But not all of the routers support UPnP;
- 2) If everything has done, you can access to the camera from remote, like: <http://27.154.242.138:21213>, 27.154.242.138 is the the public IP address for the camera, and 21213 is its HTTP port after port forwarding;
- 3) HTTP port is for login via web, RTSP port is for live video stream. Both ports need to be forwarded.

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