



Milesight-Troubleshooting UPnP

Camera Version	XX.7.0.66	Update	2018.08.08
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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 “Basic Settings “→ “Network “→ “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.

Enable UPnP:	<input checked="" type="checkbox"/>		
Port Mapping			
Enable Port Mapping:	<input checked="" type="checkbox"/>		
Name:	<input type="text" value="UPnP"/>		
Type:	<input type="text" value="Auto"/>		
Protocol Name	External Port	Internal Port	Status
HTTP	<input type="text" value="21202"/>	<input type="text" value="8081"/>	Valid
RTSP	<input type="text" value="23202"/>	<input type="text" value="554"/>	Valid
Playback	<input type="text" value="25202"/>	<input type="text" value="555"/>	Valid
<input type="button" value="Save"/>			

Figure 1

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

Enable UPnP:	<input checked="" type="checkbox"/>		
Port Mapping			
Enable Port Mapping:	<input checked="" type="checkbox"/>		
Name:	UPnP		
Type:	Manual		
Protocol Name	External Port	Internal Port	Status
HTTP	21202	8081	Valid
RTSP	23202	554	Valid
Playback	25202	555	Valid

Save

Figure 2

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

HTTP Enable:	<input checked="" type="checkbox"/>
HTTP Port:	80
HTTPS Enable:	<input checked="" type="checkbox"/>
HTTPS Port:	443

Figure 3

RTSP Port:	554	
Playback Port:	555	
RTP Packet:	Better Compatibility	
Multicast Group Address:	239 . 6 . 6 . 6	
QoS DSCP(0~63):	0	

Save

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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