Preparation

1. IP camera and PC must be on the same network segment
2. Switchers support multicast protocol while most routers don’t support it by default, so extra configuration is necessary.

How to Preview IP Camera via Multicast Protocol

1. Set multicast address

Go to [Configuration]-[Network]-[Basic Setting]-[TCP/IP] to set multicast address, range of multicast address is from 224.0.0.0 to 239.255.255.255.

2. Set live view protocol
Go to [Local]-[Live View Parameters] and select MULTICAST as live view protocol.

3. **Start Live View**

In terms of devices interaction, multicast protocol is only used to get stream during live view; otherwise the same as TCP/UDP.

Capture the package on Wireshark. It indicates that IP camera has joined in the multicast group and stream to the multicast address.

PC IP: 10.9.97.42, IP camera IP: 10.9.97.69, Multicast IP: 239.255.255.200
<table>
<thead>
<tr>
<th>No.</th>
<th>Time</th>
<th>Source</th>
<th>Destination</th>
<th>Protocol</th>
<th>Length Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>1688</td>
<td>18:19:46:10.57:00</td>
<td>10.97.90</td>
<td>10.97.90</td>
<td>UDP</td>
<td>1400 Source port: 8888 Destination port: 8888</td>
</tr>
<tr>
<td>1689</td>
<td>18:19:46:10.57:00</td>
<td>10.97.90</td>
<td>10.97.90</td>
<td>TCP</td>
<td>50 Bytes</td>
</tr>
</tbody>
</table>