



## HIKVISION Camera URL User Guide



## 1. RTSP URL for Getting Stream.

rtsp://172.6.15.111:554/Streaming/Channels/ID/?transportmode=unicast

ID means main stream or sub stream and channel number. If the ID is 102, we will get sub stream of #1 channel. If the ID is 101, we will get main stream.

Transport mode has two options, they are unicast and multicast. RTSP URL supports to add username and password:

rtsp://admin:12345@IP/Streaming/Channels/ID/?transportmode=multicast.

The type of authorization supports BASIC and DIGEST.

Current latest version, IPC: V5.1.0; 1# generation megapixel speed dome (DS-DF1-XXX): V4.1.6, 1# generation standard resolution speed dome (DS-DF1-XXX): V3.1.6; 2# generation speed dome (DS-DFXXX): V5.1.0 are all supported.

## 2. URL for Getting JPEG Picture

(1) HIKCGI: <http://172.6.15.114/Streaming/channels/ID/picture>,

ID represents channel number, for IPC, ID = 1. The resolution of picture is the same as main stream.

For 4 series camera:

<http://172.6.15.123/Streaming/channels/1/picture?videoResolutionWidth=1920&videoResolutionHeight=1080>

For 4 series camera, the command of capture picture must contain resolution. Resolution of third streaming are all supported.

(2) ONVIF: <http://172.6.15.114/onvif/snapshot>

The resolution of picture is the same as main stream.

Current latest version, IPC: V5.1.0, for 4 series camera: V5.1.3; 1# generation megapixel speed dome (DS-DF1-XXX): V4.1.6, 1# generation standard resolution speed dome (DS-DF1-XXX): V3.1.6; 2# generation speed dome (DS-DFXXX): V5.1.0 are all supported.

For 1# generation standard resolution speed dome, the resolution of picture, snapshotted by HIKCGI is fixed to CIF.

## 3. HTTP Streaming PUSH URL

<http://ip/Streaming/channels/ID/httppreview>

IP means the IP address of IPC, ID means main stream or sub stream. 2 represents sub

stream, 1 represents main stream, HTTP streaming push URL only can get MJPEG sub stream, so the value of ID is 2 or 102. After connection is established, the browser will pop-out an interface for login, the username and password the same as you login the device.

If you want to input username and password in the URL directly, the command as below can be used:

`http://username:password@ip/Streaming/channels/ID/httppreview`

After the camera accepts this command, the browser will pop-out an interface for confirming, but don't need input username and password anymore.

Browser Firefox support, we have tested Safari V5.1.7, Chrome V10.0.648.45 support.

Current latest version, IPC: V5.1.0; 1# generation megapixel speed dome(DS-DF1-XXX):V4.1.6, 1# generation standard resolution speed dome(DS-DF1-XXX):V3.1.6; 2# generation speed dome(DS-DFXXX): V5.1.0 are all support.