TECHNICAL BULLETIN

HIKVISION®

Title:	RTSP and HTTP URLs	Version:	v1.1	Date:	12/09/2015
Product:	Hikvision NVRs, DVRs, IPCs, and Encoders			Page:	1 of 1
Action Required:	None, Information Only				

Summary

Use the following URLs to stream videos over the Internet:

- **RTSP (Real Time Streaming Protocol) without Authentication (NVR/DVR/IPC/Encoder)**

  rtsp://<IP address of device>:<RTSP port>/Streaming/channels/<channel number><stream number>

  NOTE: <stream number> represents main stream (01), or sub stream (02)

  Example:
  rtsp://173.200.91.70:10554/Streaming/channels/101 – Gets the main stream of the first channel
  rtsp://173.200.91.70:10554/Streaming/channels/102 – Gets the sub stream of the first channel

- **RTSP with Authentication**

  rtsp://<username>:<password>@<IP address of device>:<RTSP port>/Streaming/channels/<channel number><stream number>

  Examples:
  rtsp://Hikvision:guest@173.200.91.70:10554/Streaming/channels/1701 – Gets the main stream of the 17th channel
  (first IP camera on the Hybrid Demo)

  rtsp://Hikvision:guest@173.200.91.70:10554/Streaming/channels/1902 – Gets the sub stream of the 19th channel
  (third IP camera on the Hybrid Demo)

- **HTTP (Hypertext Transfer Protocol) Commands To Get IPC MJPEG Stream**
  1. Camera firmware needs to be v4.1 or higher
  2. Can only stream the Sub stream via HTTP
  3. Need to change the Sub stream video encoding to MJPEG
  4. Resolution can be changed via Web interface

  NOTE: If the HTTP port of the device is 80 (default), then ":<HTTP port>" is not required.

- **HTTP without Authentication**

  http://<IP address of IPC>:<HTTP port>/Streaming/channels/102/httpPreview

- **HTTP with Authentication**

  http://<username>:<password>@<IP address of IPC>:<HTTP port>/Streaming/channels/102/httpPreview

- **Snapshot Using HTTP URL**

  http://<IP address of IPC>:<HTTP port>/Streaming/channels/1/picture

  Examples:
  http://192.0.0.64/Streaming/channels/102/httpPreview http://admin:12345@192.0.0.64/Streaming/channels/102/httpPreview
  http://192.0.0.64/Streaming/channels/1/picture