

4. Camera

Camera API allows application to configure and view Dahua video product settings.

4.1 Stream

4.1.1 GetStream

URL Syntax	<code>rtsp://<username>:<password>@<ip>:<port>/cam/realmonitor?channel=<channelNo>&subtype=<typeNo></code>
Comment	<username>: a valid user's username. <password> :user's password. <ip> :the IP address of the Dahua video product. <port >:the default port is 554. It can be omitted. <channelNo> :the channel number. It starts from 1. <typeNo> :the stream type. The <typeNo> of main stream is 0, extra stream 1 is 1, extra stream 2 is 2.The extra stream counts can be obtained in 4.1.2 GetMaxStreamCounts. The stream must be enabled by setting <code>head.VideoEnable</code> to true in 4.4.4 SetVideoEncodeConfig. For example, we request the extra stream 1 of channel 1, the URL is: <code>rtsp://admin:admin@10.7.6.67:554/cam/realmonitor?channel=1&subtype=1.</code> The IP Camera supports both TCP and UDP transmission forms. It also supplies basic authentication and digest authentication ways. The authentication process is similar with 3.2 Authentication.

4.1.2 GetMaxExtraStreamCounts

URL Syntax	http://<ip>/cgi-bin/magicBox.cgi?action=getProductDefinition&name=MaxExtraStream
Response	table.MaxExtraStream=1
Comment	In above table, the range of table.MaxExtraStream is {1,2,3}

4.1.3 GetSnapshot

URL Syntax	http://<ip>/cgi-bin/snapshot.cgi? [channel=<channelNo>]
Response	A picture encoded by jpg
Comment	The channel number is default 0 if the request is not carried the param.

4.1.4 GetVideo

URL Syntax	http://<ip>/cgi-bin/mjpg/video.cgi? [channel=<channelNo>]
Response	video stream encoded by mjpg Return: HTTP Code:200 OK Content-Type:multipart/x-mixed-replace;boundary=<boundary> Body: --<boundary> Content-Type:image/jpeg Content-Length:<image size> <JPEG image data> --<boundary>
Comment	The channel number is default 0 if the request is not carried the param.

4.1.5 PlayBack

URL Syntax	rtsp://<username>:<password>@<ip>:<port>/<filename>
Response	It's similar with <u>4.1.1 GetStream.</u> For example: rtsp://admin:admin@10.7.6.67:554//mnt/sd/2012-07-13/001/dav/09/09.30.37-09.30.47[R][0@0][0].dav