

Access the RTSP Stream or Latest JPEG Image from an H.264 Camera or Encoder

Objective Provide instructions on how to get the RTSP stream and latest JPEG image for the Avigilon H.264 series cameras and encoders.

Environment Product: Surveillance, ACC Software, ACC4, ACC5, Server

Procedure

- How do I access the RTSP stream or latest JPEG image from an Avigilon H.264 camera or encoder?

Accessing the RTSP Stream

1. To access the RTSP stream from an Avigilon H.264 camera, enter the following Universal Resource Identifier (URI) into your RTSP client:
 1. `rtsp://<name:password>@<CameraIP>/defaultPrimary?streamType=u`
 2. For example: `rtsp://admin:admin@192.168.1.100/defaultPrimary?streamType=u`
2. To access the RTSP stream from an Avigilon H.264 encoder, enter the following URI into your RTSP client where the first example is for the 1st analog video port ("Primary0"), and the last example is for the last analog video port ("Primary3").
 1. `rtsp://<name:password>@<CameraIP>/defaultPrimary0?streamtype=u`
`rtsp://<name:password>@<CameraIP>/defaultPrimary1?streamtype=u`
`rtsp://<name:password>@<CameraIP>/defaultPrimary2?streamtype=u`
`rtsp://<name:password>@<CameraIP>/defaultPrimary3?streamtype=u`
 2. For example: `rtsp://admin:admin@192.168.1.100/defaultPrimary0?streamtype=u`
For example: `rtsp://admin:admin@192.168.1.100/defaultPrimary1?streamtype=u`
For example: `rtsp://admin:admin@192.168.1.100/defaultPrimary2?streamtype=u`
For example: `rtsp://admin:admin@192.168.1.100/defaultPrimary3?streamtype=u`
1. If needed, the secondary stream can also be accessed. This URI to use is (replaced "Primary" with "Secondary"):
 - `rtsp://<name:password>@<CameraIP>/defaultSecondary?streamType=u`
 - For example: `rtsp://admin:admin@192.168.1.100/defaultSecondary?streamType=u`

Accessing the Latest JPEG Image

1. To access the latest JPEG image from an Avigilon HD-H.264 camera (like, 1.0MP-HD-H264-D1), open a web browser and enter the following address:
 1. `http://<name:password>@<CameraIP>/media/still.jpg`
 2. For example: `http://admin:admin@192.168.1.100/media/still.jpg`
2. To access the latest JPEG image from an Avigilon H3 camera (like, 1.0-H3-D1), open a web browser and enter the following address:
 1. `http://<name:password>@<CameraIP>/media/cam0/still.jpg`
 2. For example: <http://admin:admin@192.168.1.100/media/cam0/still.jpg>

For H3 cameras, the JPEG image is typically taken from the camera's secondary stream.

To access a JPEG image taken from the camera's primary stream, change the camera's **Compression and Image Rate > Format** setting to JPEG and add "?res=max" to the web address.

For example: <http://admin:admin@192.168.1.100/media/cam0/still.jpg?res=max>

For more information about changing the Compression and Image Rate settings, see the *H.264Hd - H3 Web Interface User Guide* available on the Avigilon website.

3. To access the latest JPEG image from an Avigilon H.264 Encoder, first set the appropriate encoder port to MJPEG compression in the **Compression and Image Rate > Format** settings. Then, open a web browser and enter one of the following addresses. *Cam0* is the 1st analog port and *Cam3* is the last analog port. For more information about changing the Compression and Image Rate settings, see the *H.264 Web Interface User Guide* available on the Avigilon website.

1. <http://<name:password>@<CameraIP>/media/cam0/still.jpg>
<http://<name:password>@<CameraIP>/media/cam1/still.jpg>
<http://<name:password>@<CameraIP>/media/cam2/still.jpg>
<http://<name:password>@<CameraIP>/media/cam3/still.jpg>
2. For example: <http://admin:admin@192.168.1.100/media/cam0/still.jpg>
For example: <http://admin:admin@192.168.1.100/media/cam1/still.jpg>
For example: <http://admin:admin@192.168.1.100/media/cam2/still.jpg>
For example: <http://admin:admin@192.168.1.100/media/cam3/still.jpg>

Additional Notes Please note that the H4Pro camera (even though H.264) doesn't support the RTSP stream. It is a RTSP stream but with an encryption layer.

In another word, user cannot access the video stream from the camera.

Getting the Latest JPEG is possible using the URI above (H3 camera:
<http://<name:password>@<CameraIP>/media/cam0/still.jpg>).

Attachment