Connect the Sony SRG-300SE to Wowza Streaming Cloud

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The Sony SRG-300SE is a high-definition, remotely operated IP camera that publishes live video over the Internet. This article describes how connect the Sony SRG-300SE IP camera to the Wowza Streaming Cloud™ service for transcoding and playback.

You can set up the Sony camera first, or set up the live stream in Wowza Streaming Cloud first. Either way, when you start the live stream in Wowza Streaming Cloud, it will periodically try to connect to the camera until the camera comes online.

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Create a live stream that uses the Sony SRG-300SE camera as the video source

If you haven’t already done so, create a live stream in Wowza Streaming Cloud that uses the Sony camera as the video source.

1. Sign in to Wowza Streaming Cloud.
2. Click the **Live Streams** menu, and then click **Add Live Stream**.

3. On the **Live Stream Setup** page, enter a **Live Stream Name**, choose a **Broadcast Location**, and then click **Next**.
4. On the **Video Source and Transcoder Settings** page, select **Sony** as the camera you want to use to connect to Wowza Streaming Cloud.

5. Enter the camera’s **Source URL**, which should be in the form `rtsp://[camera-ip-`
6. Specify other video source settings, and make sure to select the same Aspect Ratio that you use in your camera settings.

7. Click Next, and complete the steps to finish creating the live stream.

**Note:** For more information about live stream settings, see the Help panel on the right side of each page.

Wowza Streaming Cloud creates the live stream and displays the Overview tab of the live stream detail page.

**Set up the Sony camera**

By default, the live stream in Wowza Streaming Cloud pulls an RTSP unicast stream from the camera's Image 1 video codec. To specify unicast transmission in the camera settings, in the camera's web-based live viewer, in the Other panel, select Unicast in the Connection list.

If you configure the Sony camera to use the Image 2 or Image 3 codec, edit the port value in the Source URL in Wowza Streaming Cloud to get the video from that codec. For example, rtsp://[camera-IP-address]/video2.

See the Sony SRG-300SE User’s Guide for details about how to operate the camera and adjust settings such as resolution, bitrate, and frame rate.

When streaming from a Sony camera to Wowza Streaming Cloud, set the camera’s keyframe interval to 60 fps for NTSC or 50 fps for PAL.

**Test the connection**

1. In Wowza Streaming Cloud, select the live stream that uses the Sony camera as its video source.
2. Click Start Live Stream at the top of the live stream detail page.
3. Click Start to confirm that you want to start the stream.

Wowza Streaming Cloud opens the stream and connects with the camera.
4. In the Sony camera web-based live viewer, start the camera.

5. In Wowza Streaming Cloud, confirm that the stream is working by looking at the Video Thumbnail on the Overview tab of the live stream detail page.

   The Video Thumbnail displays a frame from the live stream every five seconds. The started date and time appear at the bottom of the thumbnail. Connection, transcoding, and delivery metrics begin to update in the Statistics panel.

6. Click Stop Live Stream at the top of the live stream detail page to end your test stream, and then stop the Sony camera.

More resources

- Get started with Wowza Streaming Cloud
- Wowza Streaming Cloud user guide
- Encoding best practices for Wowza Streaming Cloud