

Streaming Live Video Content to 5Cents CDN using the QVidium QVENC Encoder Simultaneous with ARQ Streaming

1. Go to <https://cp.5centscdn.com> and create an account or log into an existing account.
2. Click on the green **Manage** button on the right side of the line for your account.
3. Create a new Publishing Point by clicking on **Create New**. Give your publishing point a name.
4. Create a stream name by clicking on **Create**.

Here is an example screen shot for a stream we created:

The screenshot shows the 5Cents CDN client dashboard. At the top is the 5Cents CDN logo. Below it is a navigation bar with links for View Cart, Support, Tools, Contact Us, and Account. A breadcrumb trail shows: Portal Home / Client Area / My Products & Services / Product Details. The main content area has tabs for Live, Push/Pull Zones, Video Transcoding, and Live Transcoding. Below the tabs are usage statistics: Bandwidth Usage (0.000 MB / 100 GB (0%)), Package (Premium 2TB), Disk Usage (0.000 MB / 10 GB (0%)), and Transcoding & Recording Usage (min. / 50000 min. (0%)). There is another navigation bar with Live, Security, Real Time Status, and Statistics. The Live Console section shows: No. of Publishing Points available: 0 (Buy Now) and No. of Stream Names available: 1 (Create). Below this is a table with the following data:

Push	Publishing Point	Stream name	FMS URL
	ayamefgan	payam	rtmp://fms-wdc.5centscdn.com/ayamefgan

4. Copy the FMS URL on the lower right of the page. Also note the Stream name.
5. To send a single stream, create a new encoding profile. Change the **Audio Encoding** to **MPEG2 AAC** (Basic tab), **IP Transport** to **RTMP**, the **Stream Mode** to **Capped VBR** (Advanced Encoding tab). Enter the **FMS URL** under **URI** (Basic tab) and enter the **Stream Name**. Make certain that the **Stream Bit Rate** and **Video Input** are correct for your application.

6. Make certain that your EMS has a valid license. (Look at the EMS/License page on your QVENC).
7. In your QVENC Encoder Profile (Encode/Profile), create a new encoding profile. Change the **Audio Encoding** to **MPEG2 AAC** (Basic tab), **IP Transport** to **RTMP**, the **Stream Mode** to **Capped VBR** (Advanced Encoding tab). Enter the **FMS URL** under **URI** (Basic tab) and enter the **Stream Name**. Make certain that the **Stream Bit Rate** and **Video Input** are correct for your application.

Here is an example from our test channel:

QVidium System Name: QVenc Encoder

Encoder Profile

[Press here for Help](#)

Profile Name: To 5Cents

Basic | **Advanced Encoding** | **Advanced Networking**

Output

Device: Network

Encoding

Video Input: SDI

Stream Bit Rate: 3000000

Video Encoding: H264

Audio Bit Rate: 160000

Audio Encoding: MPEG2 AAC

Audio Sampling Rate: 48000

Network

IP Transport: RTMP

URI [1]: rtmp://fms-wdc.5centcdn.com/ayamefgan

Stream Name [1]: payam

ARQ Port: 10000

[1] URI and Stream Name are optional

Save Cancel

Note: It is best to upload your video stream as a *progressive* video feed rather than *interlaced*. To make certain that the QVENC converts your video to Progressive, go to the **Advanced Encoding** profile tab and under the **D1/Half/CIF/VGA Progressive Output** setting, select **Yes**.

Under the **Advanced Encoding** page, you can also scale an HD input to SD resolution (or lower) by setting **D1** (or lower) as the **H264 Video Resolution** setting.

Sending to QVidium decoders using ARQ and to 5CentCDN using RTMP

8. Set the **IP Transport** to **ARQ** and enter the desired **Destination IP Addresses** (basic tab)

9. Under Advanced Networking, set the optional **UDP IP address** to **127.0.0.1** (you should leave the UDP port at 1234).

10. Under the EMS menu, click **Stop**, then **Clear Config**. Click on License and make certain that you have a valid Evostream Media Server (EMS) license.

11. Under Run Command, enter: **pullstream uri=dmpgtsudp://0.0.0.0:1234 localstreamname=ems** then click **Run**. It should output some lines with the word "SUCCESS".

12. Under Run Command, enter the following:

```
pushstream uri=<5CentsCND FMS URL> localstreamname=ems targetstreamname=<5CentsCDN  
stream name> targetstreamtype=live
```

Where you should substitute the parameters in the brackets (eg., "<a parameter>") with the correct value. For example:

```
pushstream uri=rtmp://fms-wdc.5centscdn.com/ayamefgan localstreamname=ems  
targetstreamname=payam targetstreamtype=live
```