

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 area 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%)). A secondary navigation bar includes Live, Security, Real Time Status, and Statistics. The 'Live Console' section shows 'No: of Publishing Points available: 0' with a 'Buy Now' button and 'No: of Stream Names available: 1' with a 'Create' button. Below this is a 'Push' table with columns for Publishing Point, Stream name, and FMS URL. The table contains one entry for 'ayamefgan' with stream name 'payam' and FMS URL 'rtmp://fms-wdc.5centscdn.com/ayamefgan'. Action buttons for the entry include Edit, Restart, Delete, Delete, Embed Code, Preview, and Manage Recording.

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
```