

MV Perseus - Transcoder

MV Encoder (Demo)

| SNo | UDP Input Path | Channel Name | Video Information | Action |
|-----|------------------------------|--------------|-----------------------------|--------|
| 1 | udp://227.40.50.80:1234 | test1 | H264-QS + AAC/MP4A, 800K... | Start |
| 2 | http://45.248.167.205:80/... | test2 | H264-QS + AAC/MP4A, 800K... | Start |
| 3 | http://45.248.167.205:80/... | test3 | H264-QS + AAC/MP4A, 800K... | Start |
| 4 | http://45.248.167.205:80/... | test4 | H264-QS + AAC/MP4A, 800K... | Start |
| 5 | http://45.248.167.205:80/... | test5 | H264-QS + AAC/MP4A, 800K... | Start |
| 6 | http://45.248.167.205:80/... | test6 | H264-QS + AAC/MP4A, 800K... | Start |
| 7 | http://45.248.167.205:80/... | test7 | H264-QS + AAC/MP4A, 800K... | Start |
| 8 | http://45.248.167.205:80/... | test8 | H264-QS + AAC/MP4A, 800K... | Start |
| 9 | http://45.248.167.205:80/... | test9 | H264-QS + AAC/MP4A, 800K... | Start |
| 10 | http://45.248.167.205:80/... | test10 | H264-QS + AAC/MP4A, 800K... | Start |
| 11 | http://45.248.167.205:80/... | test11 | H264-QS + AAC/MP4A, 800K... | Start |
| 12 | http://45.248.167.205:80/... | test12 | H264-QS + AAC/MP4A, 800K... | Start |
| 13 | http://45.248.167.205:80/... | test13 | H264-QS + AAC/MP4A, 800K... | Start |
| 14 | http://45.248.167.205:80/... | test14 | H264-QS + AAC/MP4A, 800K... | Start |
| 15 | http://45.248.167.205:80/... | test15 | H264-QS + AAC/MP4A, 800K... | Start |
| 16 | http://45.248.167.205:80/... | test16 | H264-QS + AAC/MP4A, 800K... | Start |
| 17 | http://45.248.167.205:80/... | test17 | H264-QS + AAC/MP4A, 800K... | Start |
| 18 | http://45.248.167.205:80/... | test18 | H264-QS + AAC/MP4A, 800K... | Start |
| 19 | http://45.248.167.205:80/... | test19 | H264-QS + AAC/MP4A, 800K... | Start |
| 20 | http://45.248.167.205:80/... | test20 | H264-QS + AAC/MP4A, 800K... | Start |
| 21 | http://45.248.167.205:80/... | test21 | H264-QS + AAC/MP4A, 800K... | Start |
| 22 | | | | Start |

Configuration Settings:

- Source URL: http://45.248.167.205:80/SONYMARATHI/index.m3u
- Channel Name: test14
- Target Format/URL: UDP (selected), udp://
- General Settings: B-Fram: RTMP, Profile, Interlacing, Preset, Logo, Color
- Encoding: H264-QS (selected), CBR (selected)
- Frame Rate: 25 fps, VBR (selected)
- Bitrate: 800 Kbps
- Frame Size: 720x576 WxH
- GOP: 50, Fixed GOP (unchecked)
- Audio: Encoding: AAC/MP4A, Channel: Stereo
- Sample Rate: 44100
- Bitrate: 128 Kbps
- System Parameter: Video ID: 514, Audio ID: 644, PCR PID: 514, PMT PID: 258, TS ID: 1, Original Network ID: 1, Service ID: 1282, Program Name, Provider Name, Muxrate

Features

- Transcoding software for Cable TV, IPTV and OTT applications for Entertainment, hospitality and other commercial markets.
- The Software is multi format transcoder and can deliver more than 70 SD profiles in single Windows PC system. (NVidia Card RTX A4000 required)
- Transcoding from MPEG4 (H.264) to MPEG2, MPEG2 to H.264 (MPEG4), or transrating from H. 264 to H.264.
- Transcaling of HD streams to SD Streams and Vice Versa.
- Multi resolutions support up to 1080p for Smart TVs or down 180p to for mobiles
- Supports GPU acceleration – Intel Quicksync, UHD 630, UHD 750, IRIS XE or NVidia Cuda cards like RTX A2000, RTX A4000, RTX A5000, RTX 6000 etc.
- Multi GPU support for more than 70 profiles per system

MultiVirt India Private Limited

101 -C, ASHRAM CHOWK, NEW DELHI - 110014

PH : +91- 11-43552830,42878421, www.multivirt.com

sales@multivirt.com, +91-9810064903

| | |
|-----------------------|---|
| Input IP streams | UDP, RTMP, HLS, RTSP |
| Output IP Streams | UDP, RTMP, HLS, RTSP |
| Encoding capability | Support for Multiple Decklink cards for SDI inputs , Decklink Duo 2 and Quad 2 For CVBS Streamlabs MS16 For HDMI Decklink HDMI Quad |
| In put Resolution | 1280 X 720, 1920 X 1080, 640X 480, 720X 576, 768X576 |
| Out put Resolution | 1920 X 1080, 1280 X 720, 854x480, 768X576, 720X 576, 640X 480, 640x360, 426x240, 384X288, 320X240 |
| Video Bit rates | User selectable from 200kbps upto 25 mbps CBR or VBR selection |
| Frame rates | User selectable 10, 15, 24, 25, 30 fps |
| Audio support | MPEG1 audio, MP3, AAC, AC--3, PCM |
| Audio Bit rates | User selectable from 16 kbps upto 128 kbps |
| B frame settings | No. of consecutive frames, Motion Hex, Scene change sensitivity, B Frame placement |
| Available setting | Profile- main or base Entropy Aspect Ratio Deinterlacing Field order Encoding mode- Frame or Field |
| Colour correction | Contrast, Brightness, Saturation, Gamma, RGB |
| Stream Logo insertion | Optional feature Embeds logo image for watermarking |
| Encoding | Optional Encoding card supported BMD Decklink series, BMD Intensity Streamlabs Aja Bluefish444 Aver |

Specs

Hardware Requirement

For upto 22 SD profiles or 10 HD profiles

Core i7 – 10700, 24 GB RAM, Windows 10 Pro

For upto 70 SD profiles or 30 HD profiles

Core i7 – 10700K, 32 GB RAM, NVidia Quadro RTX 4000 card Windows 10 Pro

For more than 70 SD profiles or 30 HD profiles

Use Multi GPUs like 2 X RTX A4000 or 2 X RTX A5000 cards

MultiVirt India Private Limited

101 -C, ASHRAM CHOWK, NEW DELHI - 110014

PH : +91- 11-43552830,42878421, www.multivirt.com

sales@multivirt.com, +91-9810064903