

## TVIQ LINEAR SPECIFICATION

### Linear feed delivery

There are four options for delivery source feeds to operator:

#### 1) Private Line to exchange points

Operator will connect with the TVIQ exchange point in Bratislava (SK) by L2 ethernet line.  
Source video is delivered over MPEG 2 TS over multicast IP.

- SIX, Bratislava, Slovakia
- SITEL, Bratislava, Slovakia

#### 2) Internet via TVIQ streaming server

TVIQ provides stream from Wowza Streaming Engine.

For stream distribution it is supported PUSH or PULL method over the public internet.

Source video can be delivered as either:

- RTMP over Wowza Streaming Engine
- HLS over Wowza Streaming Engine

#### 3) Internet via TVIQ encoder (receiver)

Stream can be delivered to operator over the Internet to TVIQ receiver.

Video can be delivered as:

- MPEG2 TS over multicast IP
- SDI

Receiver is rack mountable, 1U high and have one power source.

Height : 1.7" (43 mm)

Width : 17.2" (437 mm)

Depth : 9.8" (249 mm)

Gross Weight : 10 lbs (4.54 kg)

Total Power Input : 100 - 240Vac

Total Power Output : 200W

Power Efficiency : 91%

Operating Temperature Range : 0°C - 40°C (32°F - 104°F)

Operating Relative Humidity Range : 8% - 90% (non-condensing)

Packaging (W x H x L) : 25.8" (655 mm) x 6.1" (155 mm) x 18.3" (465 mm)



### Audio/Video formats

TVIQ supports a wide variety of video and audio formats in use today. Supported formats are listed below. Alternate formats require discussion with the TVIQ technical team at the e-mail addresses: [pavolmiller@gmail.com](mailto:pavolmiller@gmail.com); [lukas@symbios.sk](mailto:lukas@symbios.sk)

### Supported Video Output

	1080i	720p
<b>Resolution</b>	1920×1080	1280×720
<b>Aspect Ratio</b>	16:9	16:9
<b>Frame rate</b>	25 frames/sec (PAL)	25 frames/sec (PAL)
<b>Codec and bitrate</b>	MPEG-4 Part 10 (AVC/H.264) @ 8 Mbps	MPEG-4 Part 10 (AVC/H.264) @ 4 Mbps

### Supported Audio Output Formats

	Stereo	Multi-Channel
<b>Codecs</b>	<ul style="list-style-type: none"> <li>• AAC</li> <li>• AC3</li> <li>• MPEG-A if using MPEG-2 video</li> </ul>	-
<b>Bitrate</b>	256 kbps	-
<b>Sampling rate</b>	44100 Hz	-
<b># of channels</b>	2	-

### Guide Data

Metadata for linear channels are available from FTP in various formats.

### Ad Insertion Triggers

If the operator would like to use dynamic ad insertion capabilities, the source feed can include SCTE-35 splice insert triggers, in-band, and with duration.

This case require discussion with the Grand Cru Media s. r. o. marketing and technical team at the e-mail addresses: [pavolmiller@gmail.com](mailto:pavolmiller@gmail.com); [lukas@symbios.sk](mailto:lukas@symbios.sk)