



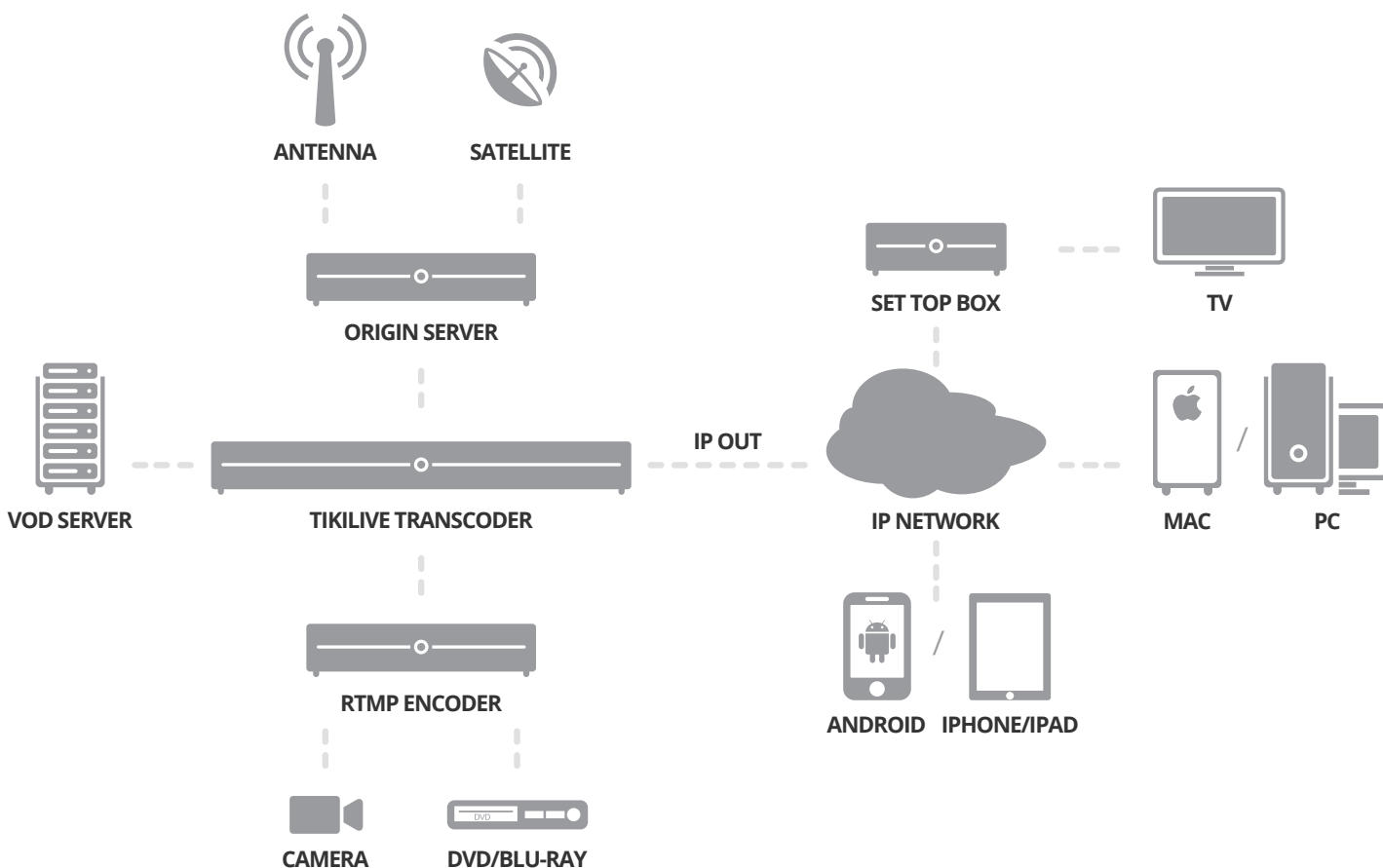
# TikiLIVE Live Transcoder BETA

The TikiLIVE Transcoder is a realtime software-based multichannel streamer and transcoder to deliver HD Broadcast streams.

It has been designed to receive RTMP streams published by TikiLIVE IPTV Origin servers as well as other encoders and publish out variable bitrate profiles of that source stream. Those output streams can then be repackages to stream in HLS, HLS Adaptive, and Variable Bitrate RTMP streams.

This is presented with an easy to use GUI for full configuration of each stream and it can report its status to remote network operations.

The transcoder accepts AVC/MPEG-4 AVC inputs and the resulting output can be sent to an IP network or pushed via RTMP. The streams can be repackaged to be viewed online, TVs with supported STBs, Android mobile devices, iOS mobile devices, and iOS Tablets.



The TikiLIVE Transcoder receives the feeds, demultiplexes them and then pushes RTMP feeds to the destination ingest point.

The system transcodes the streams into various H.264 profiles.

## Features

| Features   |
|--|
| Input/Output in H.264/AVC  |
| Supports RTMP Input and Output   |
| Output can be repackaged to HLS  |
| Output can be repackaged and Chunked to HLS Adaptive                     |
| Transcoding profiles can be customized through GUI, supports up to 1080p |
| Works with Wowza Servers   |
| Compatible with major brands of H.264 decoders                           |
| Audio support AAC  |

## Benchmarks

| H264 In   | H.264 Out  |
|---|--|
| Supports SD and HD Input<br>RTMP protocol<br>Supported input resolutions: <ul style="list-style-type: none"><li>- 240p</li><li>- 320p</li><li>- 480p</li><li>- 720p</li><li>- 1080p</li></ul> | SD out from 300 - 1,500 kbps<br>HD Outputs from 1,500 - 4,500 kbps (or higher) |

# Specifications

| IP Output |                                      |
|-----------|--------------------------------------|
| Ethernet  | Dependent on the server installed on |
| Protocols | RTMP                                 |

| Common Supported Resolutions (Input and Output) |           |           |
|---|-----------|-----------|
| 1920 x 1080                                     | 720 x 480 | 480 x 480 |
| 1280 x 720                                      | 704 x 480 | 480 x 320 |
| 720 x 576                                       | 640 x 480 | 320 x 240 |

| Administration |               |
|----------------|---------------|
| Access         | Web Interface |

| Recommended Server Specs |             |
|--------------------------|-------------|
| Operating System         | Ubuntu 14 + |
| Cores                    | 12 +        |
| Threads                  | 24 +        |
| RAM (GB)                 | 16 GB       |
| CPU (Mhz)                | 2670 Mhz    |
| HD                       | 2 x 1TB     |