



Overview

The StreamEngine is a high performance, multi-channel live audio/video streaming encoder.

StreamEngine supports up to 16 live video inputs and can deliver multiple IP streams depending on the selected output resolution. Each channel can have multiple bit rates.

It is much more cost effective than alternatives that require an encoder “box” for each channel, or a rack system with multiple encoder “blades”.

High Definition

High definition up to 1920 x 1080 is supported and the system accepts HDMI input. Because of the high quality of the Discover Video encoder, the HD video input can be streamed as low as 1 to 2 Mbps per channel with great quality.

Flexible

Each channel is independent and the encoder setting can be changed “on the fly”. Set the stream video and audio rates, frame rates, key frame period, the target streaming service, stream name, and more.

Ideal for

Television Distribution in enterprise (IPTV)

Security & Monitoring streaming
Continuous video recording

Efficient Web Streaming

Ordering Guide (Models)

StreamEngine- 4 Channel HD

StreamEngine - 8 Channel HD

StreamEngine- 12 Channel HD

StreamEngine - 16 Channel HD

Companion Products

DEVOS

Arcus CDN

Roku Channels

DV Signage Media Player

DV Signage SignStick-2™

Multiple Bit Rate

Each channel can be configured to output multiple bit rates. For example, Video input 1 can be set to stream 320x160 at 100Kbps, 640x360 at 500Kbps, and 1280x720 at 2 Mbps. This makes StreamEngine ideal for supporting mobile, desktop and other devices that each may prefer different configurations. In addition, each channel can also capture to file at multiple bit rates and resolutions.

Automatic Capture & Transfer

When capturing Video to file, StreamEngine can be configured to automatically upload each completed video file.

Built-in Analyzer

The StreamEngine can automatically detect long periods of audio silence, lack of video motion, and other metrics. Based on this integrated analyzer, StreamEngine will automatically restart a channel thus providing a self-healing, reliable streaming system.

Snapshots

The system can automatically create periodic images of the live video which is ideal for delivering video previews

- Capture/Stream up to 16 live audio video feeds
- Multiple Bit Rate Streaming
- H.264 with AAC audio
- 20Kbps to 10Mbps
- Designed for 7x24 operation
- High quality live video

System Specifications

Computer Video output- VGA, DVI

Network- 2 Gigabit Ethernet ports

Regulatory- Power Supply UL, FCC, CE)

Video Input (HD)- HDMI

Audio Input - Embedded HDMI

Compression- H.264 +AAC

Resolutions- Any up to 1920 x 1080

Frame Rate- Up to 60

Streaming Modes- RTMP Push

Recording-Capture in H264, Mp4 file

Operational Modes- Stream, Stream + Capture, Capture, Snapshot

Encoding Values- 20Kbps to 10Mbps, adjustable resolution, audio rates, quality level, key-frame, ect.

Recording Upload- Per channel FTP setting

Hardware warranty- 3-year Limited Warranty

Keyboard, Mouse- Included

Size- 19" Rack Mount (1RU)