videon

EZ Max Encoder

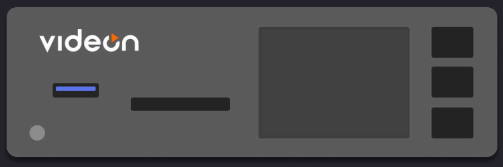
The Videon EZ Max Encoder is a powerful edge encoding device specifically designed for live workflows at the point-of-production - delivering both low-latency and cost-efficiency from a surprisingly small package.

DATASHEET

The Videon EZ Max Encoder is a Qualcomm SnapDragon 865 powered, standards-based, scalable UHD 4Kp60 solution for all types of professional streaming applications, especially demanding time-sensitive applications. EZ Max Encoder is configured perfectly for one or two inputs, multi-channel output, plus the ability to create multi-bit-rate ladders, all from the same place.

Multi-Channel Output w/ Multi-Bit-Rate Ladder

- Encode - Dual 12G/3G SDI, or one HDMI + one 12G/3G SDI input or SDI with loop out. Each input is capable of Multiple Stream Output (3 x RTMP/SRT/RTSP - MPEG-2 TS Unicast x2 and Multicast x1), Multiple Profiles.
- EZ Max device with perpetual encoding license for H.264 (AVC), H.265 (HEVC), AAC-LC, input resolution up to 4Kp60 with multi-channel audio, encodes up to 2x 4Kp60.
- Closed Captioning.
- Static graphical overlay.
- Multi-Bit-Rate encoding (MBR) ladder up to a total of 2x 4Kp60 - HLS, DASH, Low Latency Chunked Transfer Encoding.
- OTT HTTP Push with dual posting.



FRONT

BACK

EZ Max (Dual Channel 4Kp60)

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EZ Max Encoder's H.264/H.265/HEVC encoding can achieve less than three-second worldwide latency, with outputs supporting both HLS and DASH using CMAF and six bit-rates up to 30 Mbps. EZ Max eliminates time-intensive, computational encode/decode/re-encode processes inherent in cloud workflows, handling these tasks at the point-of-production for increased efficiency.

Depending on configuration, EZ Max can send a single stream, or up to three simultaneous streams to major streaming platforms and local destinations, in the cloud or through the public Internet, making it the most versatile solution for both local and broadcast video distribution. EZ Max can provide simultaneous RTMP/RTMPS streaming to online platforms such as Facebook, YouTube, Twitch, Amazon Web Services, and others; support for RTSP, Unicast, Multicast, SRT, HLS, and DASH

LiveEdge® Cloud Control (included w/ vCare) - EZ devices can be configured and managed locally, or remotely by Videon's new addition - LiveEdge® Cloud Control, via an intuitive and simple Web interface. LiveEdge® Cloud Control is bundled with vCare for all EZ devices and includes remote access, health monitoring, output preview, user management, device configuration and management, license/entitlement management, stream start/stop, passive fleet monitoring, and access to 30 days data storage.

vCare Workflow Protection (recommended) - vCare provides a 24x7x365 dedicated pit crew, the insurance required for time-sensitive live streaming workflows, including software upgrades, updates, bug fixes and advanced replacement. Live workflows continue to evolve at warp speed, so EZ devices can be remotely updated and upgraded. Even more importantly, EZ devices can be upgraded to the support the LiveEdge® Ecosystem at any time by simply activating LiveEdge® and signing up for one or more LiveEdge® subscriptions. LiveEdge® benefits include access to Videon's evolution on-the-fly, with continuous 8 week release cycles. The LiveEdge® Ecosystem provides access to additional features via subscriptions, such as SMPTE-336 (KLV) timestamps to facilitate productions with multiple camera sources, user-defined metadata for personalization, SCTE-35 ad marker insertion for monetization, early access beta testing, and much more.

Rack Mounting Option - All EZ and EZ Max Encoders come in a small chassis that is perfectly portable. That said, sometimes rack mounting is the best option for workflows with lots of live streams.

For these applications, simply add the LiveEdge® Short Rack Mount Tray (19") (1RU) for direct mounting of up to 3 EZ or EZ Max Encoders. This custom rack tray is dialed for heat dissipation.

Full tech specs for EZ Max Encoder can be found at:

www.videonlabs.com/max-tech-specs

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