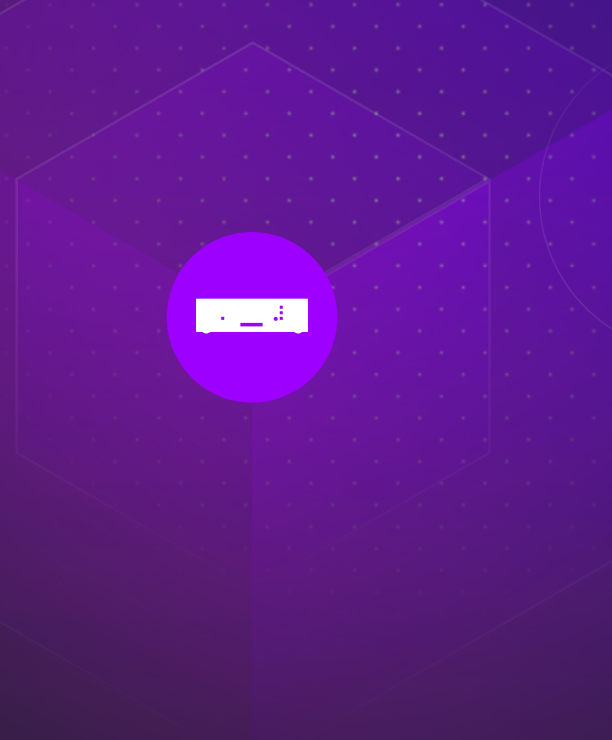


# EZ Encoder

The Videon EZ Encoder is a powerful edge encoding device designed for the point-of-production, delivering both low-latency and cost-efficiency, all wrapped up in a surprisingly small package for easy portage.



## DATASHEET

It is a Qualcomm SnapDragon powered, standards-based, scalable UHD 4Kp30 solution for all types of professional streaming applications, especially demanding time-sensitive applications. EZ Encoder is available in three configurations, perfectly packaged and upgradable, to enhance a variety of live streaming workflows:

### Single Channel Output

- Encode - Single Channel HDMI or SDI Input/Single Stream Output (1 x RTMP/SRT/RTSP - MPEG-2 TS Unicast x2 or Multicast x1), Single Profile.
- EZ device with perpetual encoding license for H.264, HEVC, AAC-LC, input resolution up to 4Kp30 with multi-channel audio, encodes up to 4Kp30, Closed Captioning.
- Static graphical overlay.

### Multi-Channel Output

- Encode - Single Channel HDMI or SDI Input/Multiple Stream Output (3 x RTMP/SRT/RTSP - MPEG-2 TS Unicast x2 or Multicast x1), Single Profile.
- EZ device with perpetual encoding license for H.264, HEVC, AAC-LC, input resolution up to 4Kp30 with multi-channel audio, encodes up to 4Kp30, Closed Captioning.
- Static graphical overlay.

### Multi-Channel Output w/ Multi-Bit-rate Ladder

- Encode - Single Channel HDMI or SDI input/Multiple Stream Output (3 x RTMP/SRT/RTSP - MPEG-2 TS Unicast x2 or Multicast x1), Multiple Profiles.
- EZ device with perpetual encoding license for H.264, HEVC, AAC-LC, input resolution up to 4Kp30 with multi-channel audio, encodes up to 4Kp30, Closed Captioning.
- Static graphical overlay.
- Multi-Bit-Rate encoding (MBR) ladder up to a total of 4Kp30 - HLS, DASH, Low Latency Chunked Transfer Encoding
- OTT Origin Server (for monitoring)
- OTT HTTP Push with dual posting



EZ 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 Mb/s. EZ 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 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 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, and HLS/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** (optional, but 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 upgraded to multiple outputs or multiple outputs plus MBR. Even more importantly, EZ Encoder can be upgraded to support the LiveEdge® Ecosystem at any time by simply unlocking the device and signing up for one or more LiveEdge® subscriptions. LiveEdge® benefits include access to Videon's evolution on-the-fly, with continuous 6-8 week release cycles, access to additional features 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** - EZ Encoder comes 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® Horizontal Rack Mount Tray (19") (1RU) for direct mounting of up to 3 EZ Encoders. This custom rack tray is optimized for heat dissipation.

