LiveEdge®Rack

LiveEdge® Rack is a new form factor, based on LiveEdge® Node, built to support the **LiveEdge® Ecosystem** and to enable the most efficient live **hybrid:cloud** workflows - with three inputs, per rack unit, LiveEdge® Rack can support multiple camera angles, backup feeds, in-venue and remote delivery requirements, including compute containers like timestamps for multi-camera synchronization, graphic overlay, advertising, user-defined metadata infusion, encode, packaging, origin and AI/ML inferences.

LiveEdge® Rack is designed with density and tidiness in mind - adding to a family of powerful compute devices and form factors designed for the first-mile - driving advanced features and functionality while optimizing and consolidating traditionally disparate services. With a maximum power usage of 30 watts per rack unit, LiveEdge® Rack is extremely low on power consumption, and enables customers to dial in low-latency and ultra-low-latency workflows more cost-efficiently - while protecting against usage-based surprises.

LiveEdge® Node, in all of its form-factors - standalone, 2Go, or Rack - is solid state... no fans... which means no moving parts! Heat output from Node is extremely low, and the custom rack tray is designed to optimize heat dissipation. Each form-factor starts with a surprisingly small, and environmentally friendly package, that's easy to set up and always ready to evolve. LiveEdge® Rack is a standards-based, scalable UHD 4Kp30/1080p60 solution for all types of professional streaming applications, especially demanding time-sensitive live workflows.

LiveEdge® Rack is pre-configured with three inputs, and designed for remote management with LiveEdge® Cloud Control to minimize the need for resources on-premises. LiveEdge® Rack is equally comfortable in an eight foot rack on-premises or in a rolling mini-rack that gets shuttled from venue to venue.

Slim - a streamlined form-factor for 19" racks and only 5.95" deep.

Rugged - perfect for permanent or rolling racks.

Cool - solid state with optimal heat dissipation.

Green - low power consumption, less watts for a greener planet.

Start with the base configuration, build out with just the right combination of subscriptions. Not sure?—All LiveEdge® devices are upgradable at anytime:

VCS-LERACK-3I - 3 channel base configuration, ready for custom options

Each LiveEdge® Rack includes LiveEdge® Compute, LiveEdge® Cloud Control for remote management and vCare support

LiveEdge® Compute (included) - Empowers you to develop and run custom video computing functions using Docker. Compute also provides access to the LiveEdge® Marketplace, the best place to find the right partners and applications to further optimize your end-to-end workflows.

LiveEdge® Cloud Control (included) - Active monitoring w/alerts, presets/profiling, device and fleet configuration, batch processing, access to LiveEdge® Cloud REST API and Docker management for LiveEdge® Containers.

vCare (included) - Live workflows are time-sensitive, get the support you need, right when you need it! 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 LiveEdge® Rack can be remotely upgraded via LiveEdge® Cloud Control. LiveEdge® benefits include access to Videon's evolution on-the-fly, with continuous release cycles.

LiveEdge® Licensing Options - (per input channel)

LiveEdge® Stream - Minimizes latency and reduces cloud costs while providing viewers with a reliable, high-quality live streaming experience. LiveEdge® Stream enables:

- Multi-Stream Output (3 x RTMP/SRT/RTSP/WHIP - MPEG-2 TS Unicast x2 or Multicast x1)
- 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

LiveEdge® Ads - Adds SCTE-35 capabilities for ad marker insertion to drive monetization.

LiveEdge® Data - Adds SMPTE-336 (KLV) for multi-camera timestamps to synchronize feeds and user defined metadata for personalization.

LiveEdge® Graphix - Adds HTML5 overlay for the visualization of metadata (4-5fps).

LiveEdge® Rack specifications

- 3 Channel 1080P60 (3x LiveEdge® Node)
- 3x 3G SDI Inputs (BNC)
- 3x Ethernet Uplink
- 3x 110 / 220 VAC Input
- 30W Maximum Power
- Exterior Dimensions: 1 Rack Unit
  (19" x 5.95" (480mm x 151,13mm)

LiveEdge® Node (5" x 5")	LiveEdge® Node (5" x 5")	LiveEdge® Node (5" x 5")