

# EdgeCaster Rack

## PRODUCT OVERVIEW

**EdgeCaster Rack** is the newest form factor to support the **Videon Compute Platform (VCP)** and is designed to enable the most efficient live **hybrid:cloud** workflows - with three inputs per rack unit, EdgeCaster Rack can support multiple camera angles, backup feeds, in-venue and remote delivery requirements, including microservices like feed synchronization, graphic overlay, advertising, user-defined metadata infusion, encode, packaging, origin and AI/ML inferences.

**EdgeCaster Rack** is designed with density and tidiness in mind - adding to a family of powerful compute appliances designed for the first-mile - driving advanced features and functionality while optimizing and consolidating traditionally disparate services. With a maximum usage of 30 watts per rack unit, EdgeCaster 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.

EdgeCaster, in all of its form-factors - standalone, 2Go, or Rack - is solid state...no fans... no moving parts! Heat output from EdgeCaster is 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. EdgeCaster Rack is a standards-based, scalable UHD 4Kp30/1080p60 solution for all types of professional streaming applications, especially demanding time-sensitive live workflows.

EdgeCaster Rack is based on the VCP, pre-configured with three inputs, and designed for remote management with LiveEdge® Cloud to minimize the need for resources on-premises. EdgeCaster 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-to-suit, or select the fully loaded bundle. Not sure?—All VCP appliances are upgradable at anytime:

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

**VCS-ECRACK-3IS** - 3 channel base configuration + LiveEdge® Stream

**VCS-ECRACK-3AI** - 3 channel fully loaded w/ + LiveEdge® Stream, Advanced and Run



## Each EdgeCaster Rack includes LiveEdge® Cloud Pro for remote management and VCare technical support

**LiveEdge® Cloud Pro** - Includes active monitoring w/alerts, presets/profiling, device and fleet configuration, batch processing, access to LiveEdge® Cloud REST API and Docker management for LiveEdge® Apps.

**VCare** - 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 EdgeCaster Rack bundles can be remotely upgraded via LiveEdge® Cloud Pro. VCP benefits include access to Videon's evolution on-the-fly, with continuous release cycles.

## Add ons

**LiveEdge® Stream** - Reduces cloud costs and minimizes latency while providing viewers with a reliable, high-quality live streaming experience. LiveEdge® Stream enables each EdgeCaster with the following:

- Multiple Stream Output (3 x RTMP/SRT/RTSP - MPEG-2 TS Unicast x3 or Unicast x2 + Multicast x1)

- Transfer Encoding
- OTT Origin Server for monitoring
- OTT HTTP Push with dual posting

**LiveEdge® Run** - Empowers you to develop and run custom video computing functions using Docker. Run 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® Advanced** - Enables KLV functionality for multi-camera time sync and user defined metadata for personalization, plus SCTE ad marker insertion to drive monetization.

## EdgeCaster Rack specifications

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

