MultiStreamer™ Flypack

A Portable, Multifunction, Streaming production system with integrated audio video encoder, compact seamless video switcher with effects generator, plus preview and program monitors. This unit is also customizable to include a playout server, Ad Serter™, or Delay and/or HLS server.

The MultiStreamer™ Flypack is designed for the professional who needs to be mobile and to create well produced streamed content to a discerning audience.

Perfect fit for those who do live productions and events like Concerts, Electronic News Gathering (ENG), Educational Webcasts, Political Campaigns, and more.

Bring the unit with you and roll out the cables and start streaming. Then when done, pack up and fly to your next location.

Features

- Totally portable Video Production and Streaming unit with TSA certified case to make travel and setup fast and easy
- Inputs: HD-SDI or HDMI or DVI
- Designed for field production and streaming. Quality output is most important for either Streaming or Recording.
- Small footprint and preconfigured hardware allows more uptime and less cost to transport
- Simple to use and designed to be plug and play (some networking will be required onsite)
- Everything needed to do a live remote broadcast or production, even streaming to the internet or traditional television production, is installed and ready to go

Rack

- Rolling Rackmount Case designed for TSA requirements and safety of equipment
- 4RU, 6RU and 8RU, plus Shockmount Versions Available
- Telescoping handle and case locks to stack racks on top of each other for added devices

Monitor

- 3RU LCD High Definition Monitor
- 2 Screen (7 inches/18 cm) or 3 Screen (5.5 inches/14 cm)
- HD-SDI inputs and loop through

Playout Server

- 1RU windows Playout server
- Playlist for advanced play out
- Scheduler for capture and playback
- HD-SDI Input and Outputs
- VTR control for control and capture from tape
- Clip viewer to help preview or identify high res content without sacrificing a high resolution channel

Switcher

- 1 RU or 2 RU Seamless switcher (Broadcast Quality Switcher)
- 4:4:4 Full bandwidth sampling
- Variable Image Zoom to 10X and Shrink to 10%
- Chroma and Luma keying, Fade, Wipe, Push, Cut transitions, Up-Down-Cross Conversion
- HD-SDI & DVI-U inputs (HDMI/CV/YC/YPbPr): up to 12
- HD-SDI & DVI-U outputs: 2 each (HDMI/CV/YC/YPbPr)
- User-defined Logo insertion
- Motion Compensation & 3:2 Pull-down
- Optional T-Bar Control Panel Switcher

Encoder

- Inputs: One SDI or HD-SDI input, and GigE IP port
- Optional single HDMI input instead of SDI/HD-SDI input
- Outputs: Multiple simultaneous IP streams through GigE port (RJ45), SDI or HD-SDI video loop through
- IP output protocols: UDP, RTP, HTTP, HTTP Live (HLS), RTMP (Open Flash)
- Supports HLS (adaptive) for output to mobile devices
- Supports logo insertion, text overlay, and SCTE 35 compliant cue tone insertion ("ad markers") on outputs
- Supports 1080i, 1080p, 720p, 480i, 480p, CIF, QCIF, qHD, H.264up and many others, and custom resolutions
- Certified by Major CDN's and Streaming Server manufacturers

Application Example
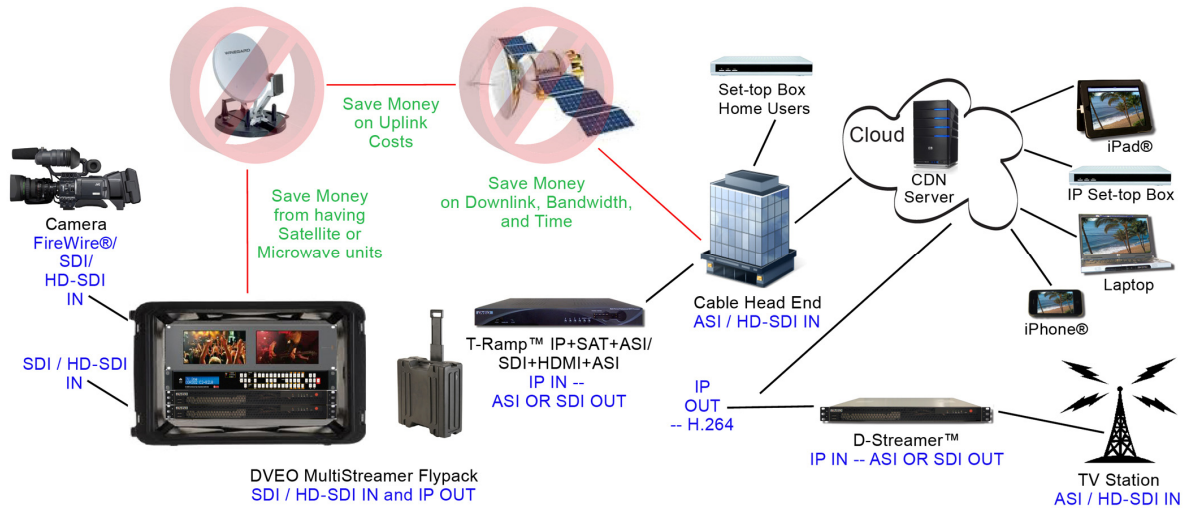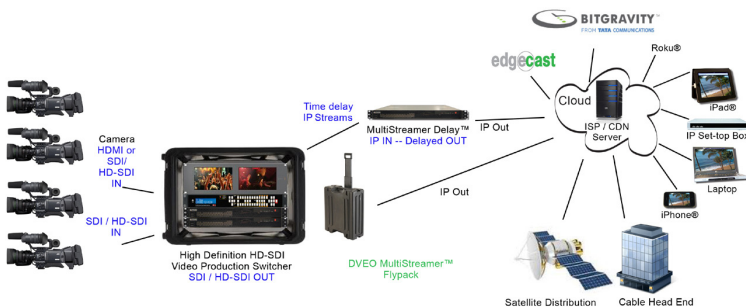

Value Proposition

Designed with the road warrior in mind. This flypack is designed with no rotating drives or fragile pieces. It allows any production company or streaming service provider to pack up and go to any event anywhere in the world.

Combined with a Multi-input seamless switcher, is the DVEO MultiStreamer™ or one of our other encoding devices. This unit can be used for delivering fast response information which is needed for news and other services. But is also great for Live concerts or other events where there are multiple cameras, feeds, or presentations going on.

With the design and customization of this unit the Return on Investment (ROI) is fast and will pay off in no time.

Block Diagram

CDNs Tested With:

1. Akamai
2. Limelight
3. BitGravity
4. Octoshape
5. CDNetworks
6. Internap
7. Highwinds
8. Verizon
9. Ustream
10. Mirror Image
11. Tulix
12. More to come!

Options

- Rackmount LCD Monitor with Keyboard & Mouse or touchpad
- 3G/4G Bonded Cellular network Modem and Router (Mushroom)
- Power Option includes: Furman Power Conditioner, Cisco Wireless Router, Cisco 16 port GigE Switch
- Rackmount Audio Mixer from Behringer or Alesis is available

System Options

- Rolling Racks come in 4, 6, and 8 RU. Shockmount versions up to 12 RU.
- Monitors come in 3RU with Dual 7 inch or 3 5.5 inch HD LCD screens. BlackMagic Design, TV One, or DVEO.
- Video Switchers are 1 RU or 2 RU Seamless Switchers with HD-SDI/HDMI/DVI inputs and outputs. 8 inputs with 2 outputs (preview and Program outputs).
  - Analogway, BlackMagic or TVOne
- MultiStreamer HD-SDI or HDMI or Analog in/IP out
- DOZER™ Automated UDP Packet Recovery technology
- DVEO Ad Serter: IP In/Graphics and IP out, or ASI In/Graphics and ASI out, or SDI In/Graphics and SDI out
- 1 RU DVEO Infinity IP Server™ (mini) 50ch 2TB
- System is preconfigured for just Plug and Play support (some internet networking is required)

Specifications

Physical & Power – 6 RU unit

Size (WxLxH):	24.75 x 21.75x 14 inches 62.87 x 55.25 x 35.56 cm)
Voltage:	85-265 VAC/50-60Hz, 25Amp total power draw
Conformities:	UL, BSMI, CSA, FCC, CE, RoHS
Weight:	88 lbs. (39.92 kg)

Inputs / Outputs

Video:	One SDI or HD-SDI input Optional HDMI input instead of SDI/HD-SDI IP (H.264, MPEG-2, VC-1, or optional H.265)
IP Outputs:	One 1080i/p stream at 6 Mbps; or one 720p60 HD stream at 4 Mbps; or 3 480 streams at 2 Mbps, or one HD and one SD stream at 6 Mbps
IP Output protocols:	UDP, RTP, HTTP, HTTP Live (HLS), RTMP (Open Flash)
Audio:	SDI Embedded
Video:	NTSC or PAL
Encoding Latency:	HD-SDI or SDI input: About 1.2 seconds (fixed)

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