

Solution Brief

Multicam STREAM

Content Acquisition Package for Multi-Camera Live Production and Streaming

Shooting a live event with multiple cameras can add a high-end look to any production. The ability to stream it in real time allows you to reach a much broader audience and grow your brand. But several factors can limit your ability to achieve these goals. Sourcing the necessary equipment from different vendors, as well as accessing professional technicians locally, can be time-consuming and expensive. Space requirements for setting up and monitoring multiple cameras can be considerable. And the bandwidth required to stream your content may not be readily available. The Multicam STREAM content acquisition solution from CP Communications resolves these challenges and allows you to meet your production goals on time and on budget.



Solution Highlights

- Cost-effective turnkey solution for at-home production and live shoots with up to four cameras
- Fast, easy setup by a single technician
- Up to 1080p resolution and professional-quality audio
- H.265/H.264 encoding
- Stream directly to any URL
- Hard-wired or cellular connectivity — or both

Part of CP Communications' family of Red House Streaming STREAM packages, Multicam STREAM enables live production with up to four cameras and live streaming over Ethernet, WiFi and bonded cellular networks, assuring connectivity from virtually any location. The plug-and-play solution eliminates the need to assemble systems across multiple vendors and service providers, allowing for rapid deployment in the field with a single technician and greatly reducing costs.

Designed for at-home production and supplying individual video streams for network distribution workflows, Multicam STREAM provides true broadcast-quality video at resolutions to 1080p with up to 32 channels of professional audio. All camera feeds are simultaneously ingested, and can be delivered to service providers as individual SDI feeds or a single stream.

The system is built around Sony PTZ cameras and Mobile Viewpoint (MVP) encoding and decoding technology, enabling H.265 and H.264 CBR and VBR compression. IP-based camera control is enabled through a browser-based interface, which can be accessed locally or remotely through the MVP TerraLink-4C encoder. Remote camera control and shading greatly reduce the need to hire a camera crew while ensuring coverage with virtually any shot or camera angle.

The base Multicam STREAM package can be customized with up to four additional video inputs, various types of tally systems, Dante audio communications networking, fewer or additional embedded audio channels, and a CP wireless commu-

Multicam STREAM Content Acquisition Package

nications system. It's an ideal solution for tier-2 and tier-3 remote sports coverage, live studio programming, corporate events, live music events, video podcasts, worship services, and the streaming of local news and other types of live events.

The acquisition/field components of Multicam STREAM, including two PreSonus StudioLive R32 digital audio mixers, fit into a single 10RU case. The receive/decode/payout side of Multicam STREAM features the MVP Payout 4C1 multicam decoder and fits in a 4RU case.

For more complex production requirements, the RHS Production STREAM content-acquisition package offers an even more powerful yet equally cost-efficient solution, including support for up to seven cameras. The RHS Cam STREAM package is also available for basic production with up to two cameras. All three STREAM solutions are available for purchase or rent.

System Features

- Accommodates four cameras or other video sources
- SD/HD/NDI input
- Stream directly to major online platforms (i.e., Facebook, YouTube) via MVP LinkMatrix controller, or decode SD/HD/NDI from playout server (or both)
- Plug and play setup with remote camera management
- Up to 16 channels of audio with each video feed
- H.264 or H.265 VBR or CBR encoding
- Cellular and wired connectivity from a single system



Sony SRG-360SHE PTZ camera

Package Components

- Sony SRG-360SHE HD PTZ remote cameras
- Sony PMW-400K HD XDCAM camcorder (optional)
- MVP TerraLink-4C multichannel H.265/H.264 IP encoder with eight 3G/4G modems
- MVP Payout 4C1 multicam decoder
- Haivision full-frame low-latency return video encoder
- Eight-channel analog audio embedder/disembedder
- Two PreSonus StudioLive R32 digital audio mixer
- Ubiquiti Networks UniFi 16-port PoE switch

About CP Communications

CP Communications is a leading provider of live broadcast solutions for premium sports, entertainment, corporate, news and other live events. The company's solutions feature innovative technologies for wireless audio and video content acquisition, as well as access to an Emmy-winning team of experienced professionals. For three decades running, CP has serviced a wide range of clients including major broadcasters, sports leagues and teams, and event and production companies.

Specifications

Number of Cases	Four: <ul style="list-style-type: none">• Camera• Accessories• Encoder• Playout
Video Resolutions	1080/59.94p, 50p 1080/59.94i, 50i 720/59.94p, 50p
Output Formats	RTSP, RTMP, HLS, SRT
IP Streaming Formats	RTSP, RTMP, TS/UDP
Audio Channels	16 (2x 8 streams, embedded)
IP Audio Output	AAC LC
Connectivity	LAN, WiFi, bonded cellular



Mobile Viewpoint Payout 4C1 multicam decoder



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