AVerMedia

AVerCaster HD Duet Plus F239+
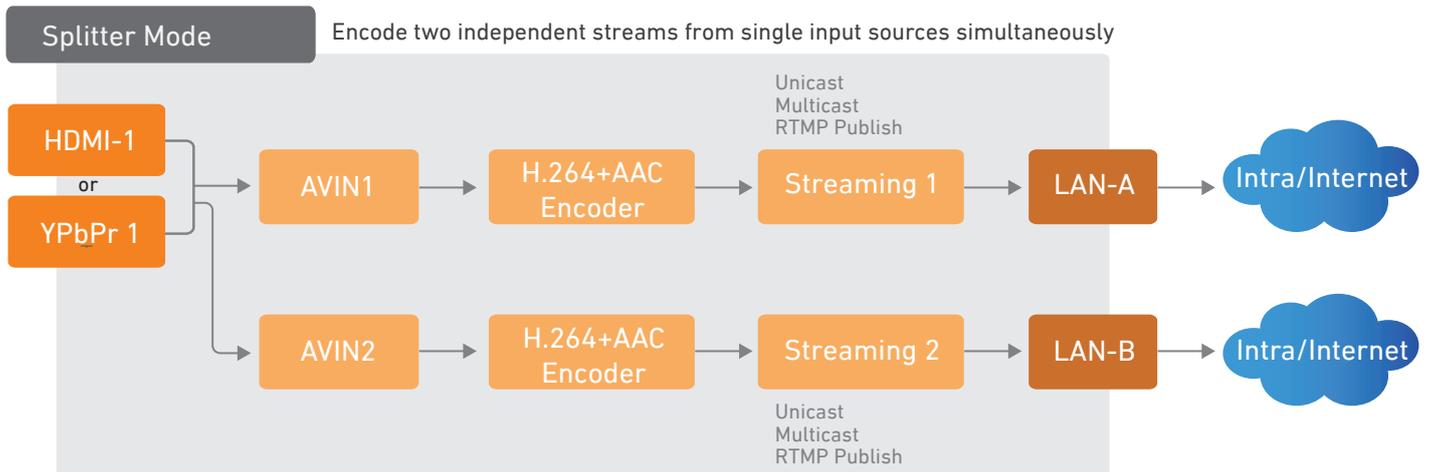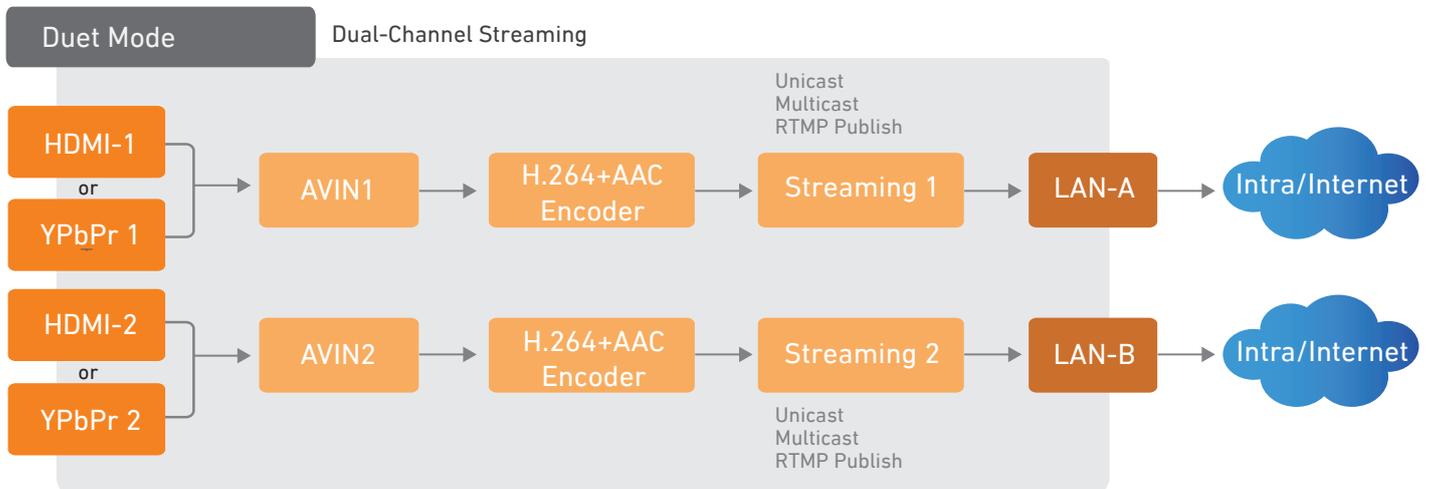## Live Broadcasting for Lectures and Campus Events

AVerCaster HD Duet Plus delivers HD videos live from HDMI or component input sources to IP network users. Publish RTMP to Content Delivery Networks (CDNs) and popular live streaming platforms, such as YouTube, Twitch, Ustream, Akamai, and more.
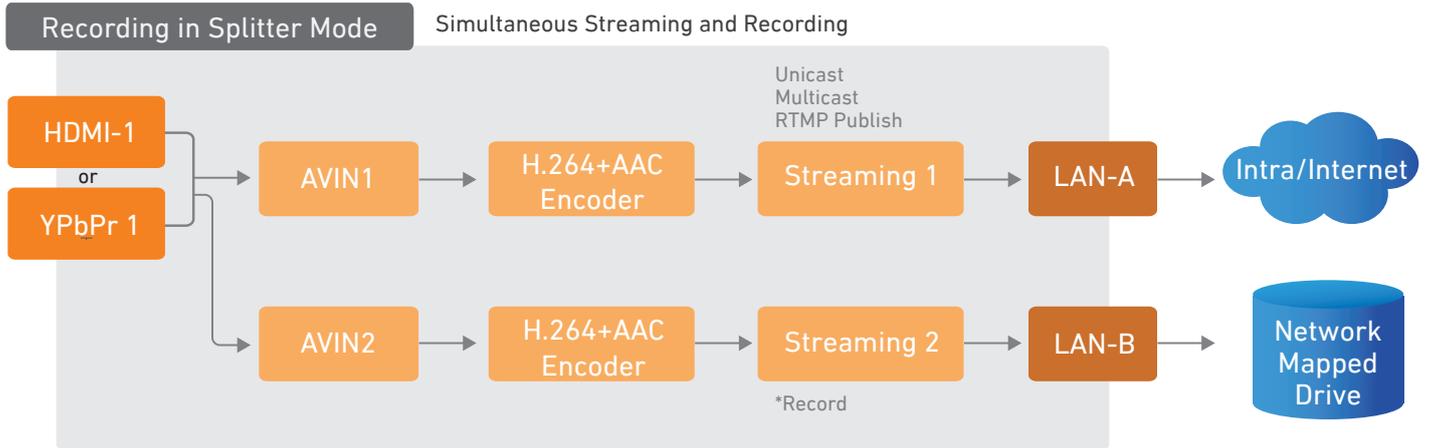
This single box streams HD content via standard protocols. Live video or broadcasts can be delivered to a wide range of client devices, including computers, IP-STBs, kiosks, digital signage, and more, or it can be easily deployed into an existing network environment with no extra cost and effort. With H.264 compression, AVerCaster HD Duet Plus delivers both high quality and efficient bandwidth usage.

Features

- Reduce expenses with multicast technology
- Scale video distribution with easy central control
- Instantly store your content while it broadcasts
- Multicast Live HD content for maximal audience reach
- Easy to set-up and carry around

Streaming and Recording Modes

Duet Mode Dual-Channel Streaming

HDMI-1 or YPbPr 1 → AVIN1 → H.264+AAC Encoder → Streaming 1 (Unicast Multicast RTMP Publish) → LAN-A → Intra/Internet

HDMI-2 or YPbPr 2 → AVIN2 → H.264+AAC Encoder → Streaming 2 (Unicast Multicast RTMP Publish) → LAN-B → Intra/Internet

Splitter Mode Encode two independent streams from single input sources simultaneously

HDMI-1 or YPbPr 1 → AVIN1 → H.264+AAC Encoder → Streaming 1 (Unicast Multicast RTMP Publish) → LAN-A → Intra/Internet

→ AVIN2 → H.264+AAC Encoder → Streaming 2 (Unicast Multicast RTMP Publish) → LAN-B → Intra/Internet

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Recording in Splitter Mode — Simultaneous Streaming and Recording

Unicast
Multicast
RTMP Publish

HDMI-1 or YPbPr 1 → AVIN1 → H.264+AAC Encoder → Streaming 1 → LAN-A → Intra/Internet

→ AVIN2 → H.264+AAC Encoder → Streaming 2 → LAN-B → Network Mapped Drive

*Record

* Recording must accompany streaming. (ie. Recording cannot work alone)

Specifications

Input Signals	HDMI × 2 Component with RCA L/R audio x2
Input Video Format	Auto-detected 480i, 480p, 576i, 576p, 720p50/60, 1080i50/60, 1080p25/30/50/60
Encoded Video Format	H.264 High/Main/Baseline profile Resolution 320 x 240~1920 x 1080 Frame rate 25, 30, 50, 60 Bit rate 200Kbps~15Mbps
Encoded Audio Format	AAC-LC mono/stereo Bit rate 64~512Kbps
Streaming protocols	RTP unicast/multicast UDP unicast/multicast TCP unicast RTMP publish
Streaming & Recording	**Duet mode**: 2 streaming encoders with independent audio/video input, encode settings and streaming protocol. **Splitter mode:** Streaming the same audio/video content to different target network with independent encode settings and streaming protocols. **Record mode:** Simultaneous streaming and recording from the same video/audio. Recording to network mapped drive from NAS&Windows shared folders
Operating Environment	Temperature: 0 to +50°C/+32 to +122°F Humidity: 0-80% RHNC
Storage Environment	Temperature: -30 to +65°C/-22 to +149°F Humidity: 0-90% RHNC
Power	12V/1.5A: 18W Maximum
Administration	Web UI supporting IE, Firefox, Chrome browser HTTP+XML API for integration and remote control
Supported Clients & Software	1. VLC Media Player for Windows, Linux, or Mac 2. mPlayer for Linux IP STB supporting multicasting MPEG-2 SPTS streaming AVerMedia CMS & AVerReceiver AVerCaster Player Wowza Adobe Media Server
Dimensions(L x W x H)	230 × 124 × 42 mm
Weight	900g

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