

AVerMedia

AVerCaster HD Duet Plus F239+

Broadcast and Record Live Content Simultaneously



Features

- Dual HDMI or Component input sources
- Capable of publishing two independent streams or simultaneous broadcast and record
- Supports Transport Stream on TCP, UDP, RTP, RTMP Publish
- Built-in dual H.264/AVC codec
- Supports Facebook Live video, as well as popular CDN providers (Youtube, Ustream, etc.)
- Dual Gigabit Ethernet outputs
- Wide range of output resolutions from 160 x 90 to 1920 x 1080 Full HD
- Intuitive WebUI for cross-platform control

Introduction

AVerCaster HD Duet Plus F239+, a dual channel video encoder allowing two independent Full HD video streams to be broadcast or recorded at the same time. The F239+ is a broadcast video encoder that takes one or two HDMI or component video sources up to 1920 x 1080 Full HD resolution and can encode two independent video streams of similar or varying bitrates for broadcast or recording. With its powerful dual H.264 High-Profile codecs, it allows live Full HD Video to be simultaneously broadcast and recorded at high quality for VoD playback, Multicasting and support for popular streaming services providers as well as Facebook Live allows live video from the F239+ to be broadcast to a virtually unlimited number of viewers.

Broadcast and Record Simultaneously

Powerful dual H.264 codecs and Gigabit Ethernet ports allow the F239+ to simultaneously live broadcast two independent video streams at Full HD quality in Duet mode, allowing for instance, multiple angles live streaming.

Alternatively in Recording mode, one encoder can be used for streaming video, while the other simultaneously records the same input source for backup or VoD playback. With two independent codecs, bitrates can be adjusted separately for each output to account for network bandwidth or higher quality VoD content.

Finally, Splitter mode allows a single stream to be broadcast at different bitrates or to support different protocols and service providers.

Dual Source to Virtually Unlimited Viewers

The F239+ is easily portable and has dual HDMI and component input allowing it to easily receive video from a variety of video sources such as TV set-top boxes, camcorders or electronic white boards. With the H.264 codec and multicasting support, a single F239+ can easily provide single or dual video streaming services to a virtually unlimited number of viewers over an intranet or internet with minimal network bandwidth usage.

Highly Compatible with Content Delivery Network (CDN) Services

To broadcast your video to a global audience, The F239+ has strong integration with CDN services including: Facebook Live, Wowza, CDNvideo, YouTube, Twitch, Ustream and more.

Works with a Wide Range of Client Devices

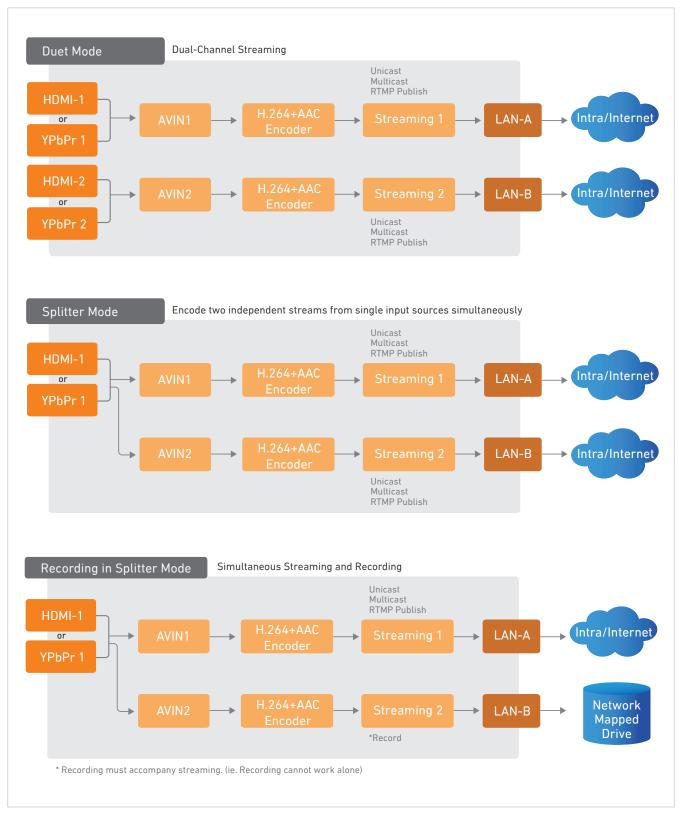
The F239+ is highly compatible with a range of client devices such as: desktop computers (using VLC or mPlayer), IP set-top boxes, digital whiteboard, and digital signage.



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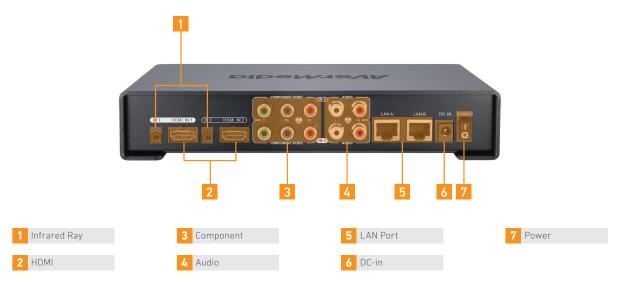
Streaming and Recoding Modes





AVerCaster HD Duet Plus F239+ Broadcast and Record Live Content Simultaneously

Appearance



Specifications

Input SignalsHDM > 2 Component with RCA L/R audio x2 Component with RCA L/R audio x2 Component with RCA L/R audio x2 Component with RCA L/R audio x2Input Video FormatAuto-detected NTSC, PAL, 720p50/60, 1080/50/60, 1080/525/30Encoding Video FormatH264 High/Main/Gasenite profile Resolution 320 x 240-1920 x 1080 Frame rate 25, 30, 160, 460 Bit rate 2000/bps-15MbpsEncoding Audio FormatAC-LC mono/stereo Bit rate 4-512KbpsStreaming protocolsRTP unicas/multicast, UDP unicast/multicast, UDP unic		
Input Video FormatNTSC, PAL. 720p50/60, 1080i50/60, 1080p25/30Encoding Video FormatH264 High/Main/Baseline profile Resolution 320 x 240-1920 x 1080 Frame rate 25, 30, 150, 160 Bit rate 200Kbps-15MbpsEncoding Audio FormatAAC-LC mono/stereo Bit rate 64-512KbpsStreaming protocolsRTP unicast/multicast, TCP unicast. TCP unicast. TCP unicast. TCP unicast. RtMP publish, RTSP, HLS Push, Twitch, CDNvideo, FacebookStreaming & RecordingDuet mode: 2 streams with independent audio/video input, encode settings and streaming protocol. Splitter mode: Stream 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 source. Record mode: Simultaneous streaming and recording from the same Video/ audio source. Record mode: Simultaneous streaming and recording from the same Video/ audio source. Record mode: Simultaneous streaming and recording from the same Video/ audio source. Record mode: Simultaneous streaming and recording from the same Video/ audio source. Record mode: Simultaneous streaming and recording from the same Video/ audio source. Record mode: Simultaneous streaming and recording from the same Video/ audio source. Record mode: Simultaneous streaming and recording from the same Video/ audio source. Record mode: Simultaneous streaming and recording from the same Video/ audio source. Record mode: Simultaneous streaming and record from the same Video/ audio source. Record mode: Simultaneous streaming and record from the same Video/ audio source. Record from the SMR COMMERCON Stream Kate S Windows shared foldersOperating EnvironmentTemperature: 10 to 45°C/-22 to 1142°F Humidity: 0-90% RHNCPower12V/1.5A: 18W Maximum	Input Signals	
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Uperating EnvironmentHumidity: 0-80% RHNCStorage EnvironmentTemperature: -30 to +65°C/-22 to +149°F Humidity: 0-90% RHNCPower12V/1.5A: 18W MaximumAdministrationWeb UI supporting IE, Firefox, Chrome browser HTTP+XML API for integration and remote controlSupported Clients & Software1. VLC Media Player for Windows, Linux, or Mac 	Streaming & Recording	Splitter mode: Stream 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 source.
Storage Environment 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 AVerCaster Player Wowza Adobe Media Server Dimensions (L x W x H) 230 × 124 × 42 mm	Operating Environment	
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AdministrationHTTP+XML API for integration and remote controlSupported Clients & Software1. 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 ServerDimensions (L x W x H)230 × 124 × 42 mm	Power	12V/1.5A: 18W Maximum
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Weight 900g	Dimensions (L x W x H)	230 × 124 × 42 mm
	Weight	900g

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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