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.

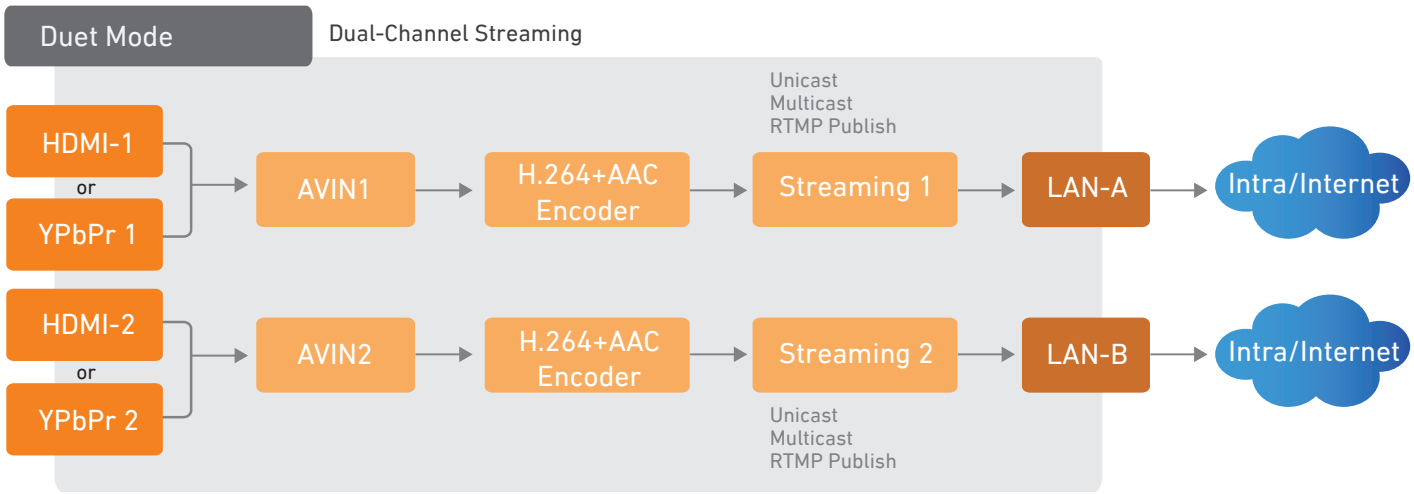
Highly Compatible with Content Delivery Network (CDN) Services

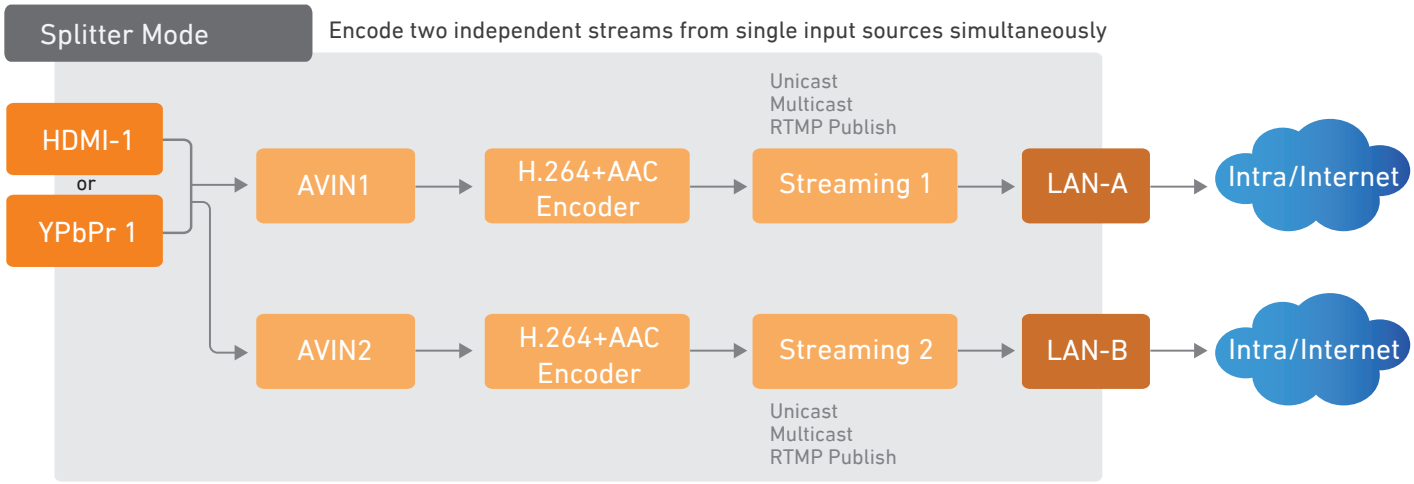
To broadcast your video to a global audience, The F239+ has strong integration with CDN services including: Facebook Live, Wowza, CDNvideo, YouTube, Twitch, Ustream and more.

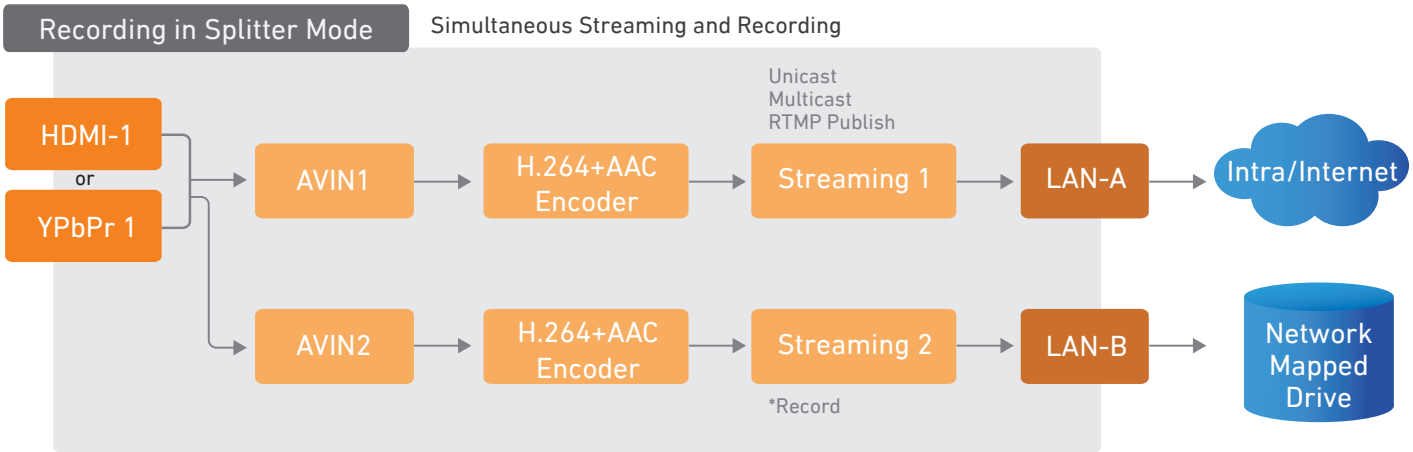
Works with a Wide Range of Client Devices

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.

Streaming and Recoding Modes





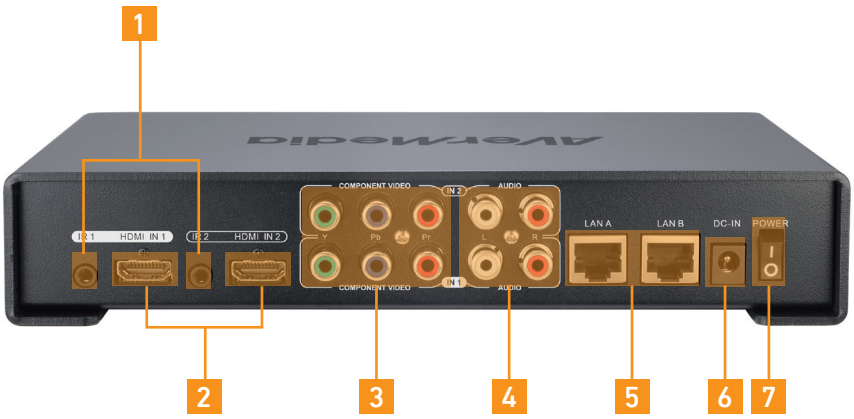


* Recording must accompany streaming. (ie. Recording cannot work alone)

AVerCaster HD Duet Plus F239+

Broadcast and Record Live Content Simultaneously

Appearance



1 Infrared Ray	3 Component	5 LAN Port	7 Power
2 HDMI	4 Audio	6 DC-in	

Specifications

Input Signals	HDMI × 2 Component with RCA L/R audio x2
Input Video Format	Auto-detected NTSC, PAL, 720p50/60, 1080i50/60, 1080p25/30
Encoding Video Format	H.264 High/Main/Baseline profile Resolution 320 x 240~1920 x 1080 Frame rate 25, 30, i50, i60 Bit rate 200Kbps~15Mbps
Encoding 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 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. 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

AVerMedia

©2017 by AVerMedia Technologies, Inc. All rights reserved.
No part of this document may be reproduced or transmitted in any form, or by any means (Electronic, mechanical, photocopy, recording, or otherwise) without prior written permission of AVerMedia Technologies, Inc. Information in this document is subject to change without notice. Made in Taiwan
Version 0.2 2017/03/21