

**AVerMedia**

# ***Live Content without Boundaries***

Reach More Audiences through  
the Power of Streaming Encoder



**AVerCaster HD Duet (F239)**

# Capture, Encode and Distribute Live Content to IP Network

AVerMedia AVerCaster HD Duet (F239) is a dual-channel video streaming encoder with compact chassis-design which ingests and encodes HD video from HDMI/ Component input sources for delivering live content over IP network. AVerCaster HD Duet can also be used for broad media delivery across the Internet by publishing RTMP to Content Delivery Network (CDN) and famous live streaming platforms. AVerCaster HD Duet allows users to adjust the quality of the encoding format, including video/ audio bitrate, frame rate, rate control, to meet the network bandwidth condition. Embedded dual H.264 encoders, AVerCaster HD Duet is able to encode two independent streams from one single input source simultaneously, which allows administrators to preserve high video quality streaming on the LAN as well as Internet broadcasting at low bitrate.

AVerCaster HD Duet is equipped with intuitive web-based management interface for easy configuration. Also, when it connects with satellite or cable TV set-top box, the built-in IR blaster function can help you control the source devices for channel switching. All streaming settings can be done on your web browser. AVerCaster HD Duet provide the most easy-to-use and cost-effective solution for small and medium-sized enterprises to make internal announcements or event broadcasting over internet.

## Design for Pro AV Integration

- Standard encoding and streaming protocols provide a high degree of compatibility on a wide range of client devices.
- Support RTMP Publish for streaming content to CDN server to internet broadcasting.
- Full integration with famous live streaming platforms' APIs, such as USTREAM, Livestream, Justin TV, etc. provides an easy way to publish live content to user's personal channel.

## Strong Encoding Capability

- High video quality with very low network bandwidth consumption.
- Allows user-defined fine-tuning of encoding process and network bit rate.
- Support two independent streams encoding from one single input.

## Simplicity of Operation

- Web-based management page allows user to configure remotely.
- Built in IR-blaster module for remotely channel switching.
- Embedded preview window to monitor live stream and adjust in real time.
- Support configuration backup/ restore function.

## Industry-leading Hardware Design

- Easy to carry around and broadcast content from any location
- Two pairs of HDMI & Component connectors for more flexible source configuration.
- Detailed LED indicators for easy and effective troubleshooting.

## Distance learning without limitation



## Live content integration on digital signage



## Live event broadcasting for multi-screen



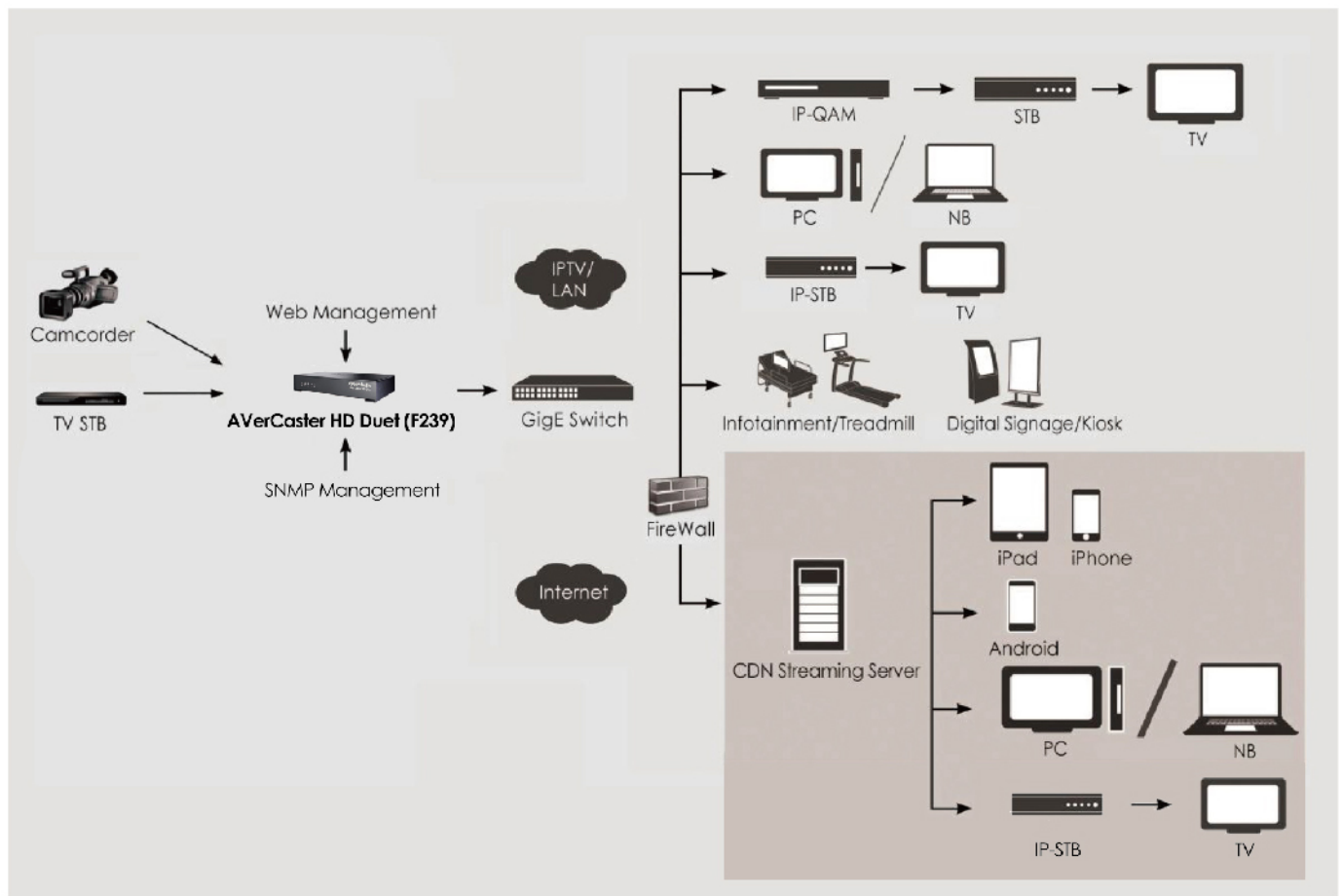
## Enterprise video channel enhancement with live content





# Streamline the Workflow of Live Content Delivery

Through off-the-shelf networking equipment, your video content can be streamed by AVerCaster HD Duet over a standard IP network to users under one particular LAN or to CDN server for internet broadcasting.



AVerCaster HD Duet can be fully configured and controlled using the embedded web management page- AVerCaster Streaming Service Management, which can be accessed remotely via a Web browser on a PC or mobile device over a network. AVerCaster Streaming Service Management provides all the essential control and configuration options for administer, including channel switching, streaming protocols and encoding format. The intuitive interface leads you step-by-step through the process of creating live streaming. Even better, with a live video preview window, administer can monitor and make adjustments in real-time. The operation of AVerCaster HD Duet is easy enough for novices, yet fully configurable for expert user.



Intuitive interface design for operations between hardware connection and source configuration, easy even for first-timers.

Several encoding profile presets are available for common streaming applications



Embedded preview windows to monitor live stream in real time.

Built-in IR module allows channel switching remotely.

# AVerCaster HD Duet (F239)—Specifications

## Interfaces

- Video Input:
  - HDMI
  - Component (YPbPr)
- Audio Input:
  - HDMI Embedded
  - Unbalanced Line Level stereo (RCA)
- IR out (3.5mm jack socket)
- 10/100/1000BaseT Ethernet (RJ-45 chassis socket)

## Streaming

- Up to 2 HD Streams
- TCP/UDP/RTP/RTMP Publish
- Unicast/ Multicast
- IGMP Supported
- Channel announcement using SAP

## Video Encoding

- Codecs: H.264 Main/High Profile
- Bit rate: 500Kbps-15Mbps\*
  - \* Up to 15Mbps for each TCP/ UDP/RTP stream
  - \* Total up to 8Mbps for RTMP streams
- Resolution:
  - 1080p 25Hz/ 30Hz; 1080i 50Hz/ 60Hz; 720p 50Hz/60Hz;
  - 576p 50Hz; 576i 50Hz;480p 60Hz; 480i 60Hz
- Rate Control: CBR, VBR

## Audio Encoding

- Codecs: AAC
- Bit rate:128Kbps-192Kbps
- Sampling rate: 48KHz

## Network

- IPv4
- DHCP or Static IP addressing

## Management

- Network administration via HTTP web interface
- SNMP v1 supported
- Firmware upgrade via TCP
- Configuration backup/restore via HTTP

## System

- CPU: MIPS 500MHz
- RAM: 64MB
- Flash: 32MB (for firmware and configurations)

## Physical

- Power Consumption: 12V/1.5A, Max 18W
- Dimension: 230mm (L) × 124mm (W) × 42mm (H)
- Weight: 900g

## Environment

- Operating Temperature: 0-50°C/ 32-122°F
- Operating Humidity: 0-80% RHNC
- Non-operating Temperature: -30-65°C/-22-149°F
- Non-operating Humidity: 0-90% RHNC

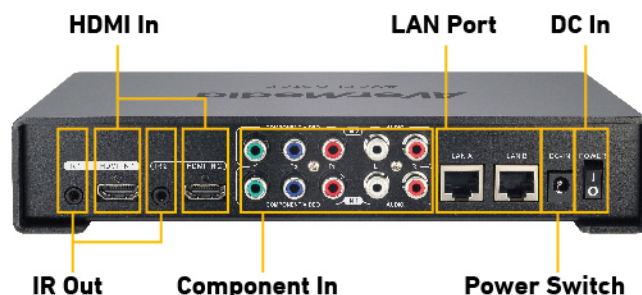
## Packaging Content

- AVerCaster HD Duet
- Power supply, power cord and adaptor
- Installation CD and quick guide
- IR Blaster x2

## Front Panel



## Rear Panel



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