Encode & Stream HD Video on Local Network

AVerCaster HD Duet (F239)

AVerCaster HD Duet streams live HD video from camera and TV set-top box to numerous users on a LAN environment. Comparing to the conventional coaxial cable or aerial based TV/video distribution systems, it provides a most cost-effective solution for small and medium-sized enterprises.

Featuring multicast over IP network, AVerCaster HD Duet can encode and distribute high-definition video contents from devices with an HDMI or Component output such as Blu-Ray players, TV set-top boxes, and camcorders to an unlimited number of users over the same network simultaneously. Even better, this portable streaming server can stream out up to two HD video broadcasts at the same time.

This single box streams HD contents via standard protocols. Thus, the live video information or entertainment broadcasts can be delivered to a wide range of client devices including computers, IP-STB, kiosk, digital signage and hospital infotainment terminals. It can be easily deployed into existing network environment and common system without extra cost and effort. Besides, AVerCaster HD Duet adopts H.264 compression, which can get rid of the dilemma of high video quality and efficient bandwidth usage.

AVerCaster HD Duet is equipped with intuitive web-based content control interface for easy configuration. Also, when it connects with satellite or cable TV set-top box, the IR blaster function can help you control the source devices for channel switching. Now all streaming settings can be done on your web browser.
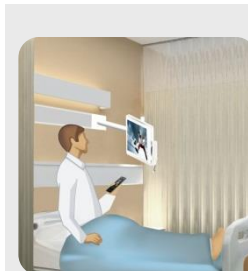
The high compatibility, flexibility, streaming quality and experienced technical support make AVerCaster HD Duet a best and cost-effective solution for internal announcements, event broadcasting or crucial information delivery.
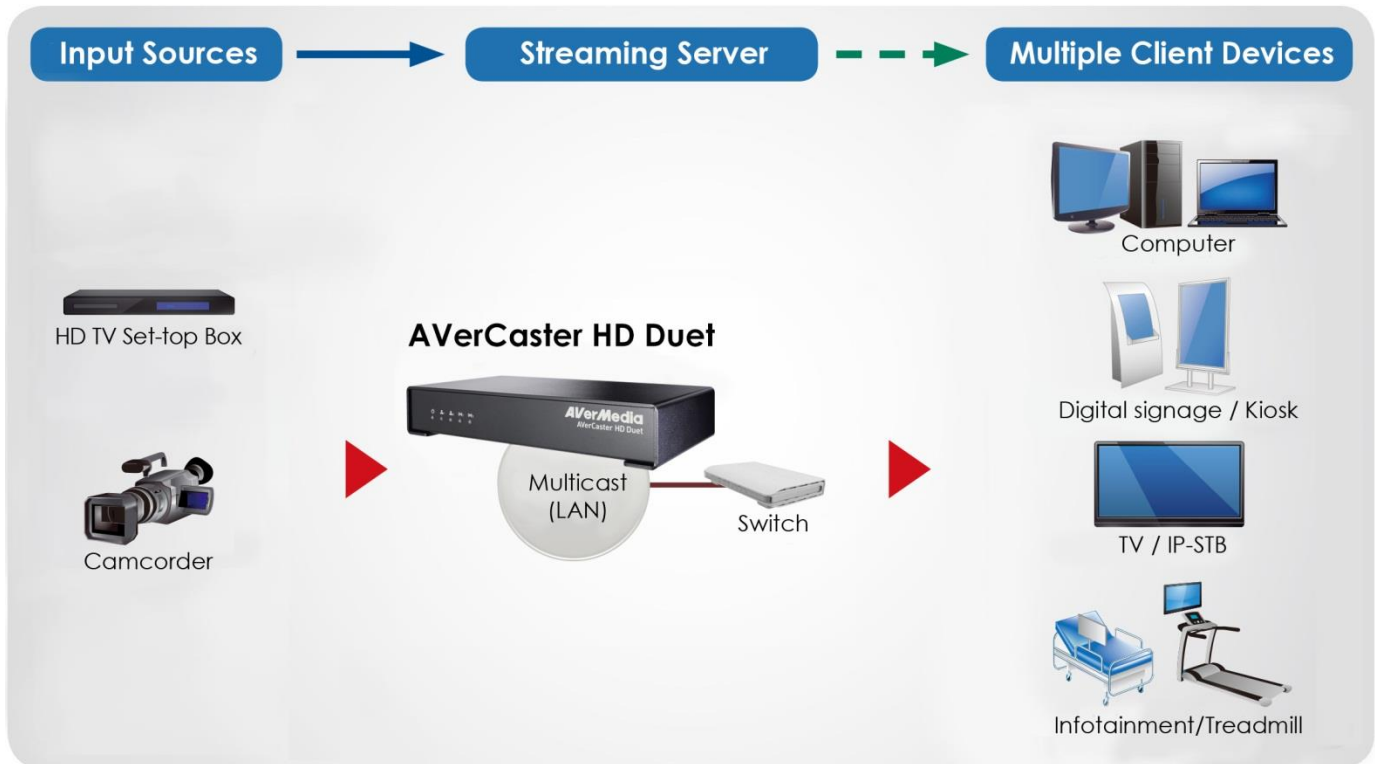
AVerCaster HD Duet, the advanced live media streamer, can transcode and stream the real-time audio and video from HD camcorders to numerous LAN-connected computers and devices. A lecture held in one classroom can now be broadcast to a large screen in another room.

Corporate assemblies are hard to achieve for the space limitation or staff availability inconsistency. AVerCaster HD Duet can distribute real-time video announcements to every digital signage or computers across the corporate buildings with clear and stable streaming quality.

An IPTV solution can help hospitals to save the cost for TV cabling and maintenance. With AVerCaster HD Duet, hospitals and healthcare centers can easily distribute live TV programs to patients' bedsides, which makes patients' stay more comfortable and comforts accompanying relatives' anxiety.

Input Sources → **Streaming Server** --→ **Multiple Client Devices**

HD TV Set-top Box

Camcorder

AVerCaster HD Duet

Multicast (LAN)

Switch

Computer

Digital signage / Kiosk

TV / IP-STB

Infotainment/Treadmill

■ Why AVerCaster HD Duet?

Multicast technology SAVES huge investment

AVerCaster HD Duet's multicast streaming function enables enterprises to distribute live TV programs or video contents to an unlimited number of client devices at the same time over the LAN, which saves the expense for traditional broadcasting equipment, such as STB and cabling. AVerCaster HD Duet supports various kinds of client devices. The multicast TV/video could be viewed on Windows, Mac and Linux computers, as well as on IP STB, kiosk, digital signage and infotainment devices. In other word, enterprises can take advantage of the benefits of TV/video multicast with relatively low total cost.

Easy central control SAVES lousy management

AVerCaster HD Duet adopts intuitive web management interface for content management which could be easily accessed from any PC connected to the local network. Its SNMP support further facilitates head-end monitoring. To address various business demands, each AVerCaster HD Duet could be configured to broadcast 2 different video sources in HD video quality at the same time. Moreover, the device is easy to set up and easy to carry around, which provides a flexible and scalable solution for HD video distribution over LAN.

Reliable streaming technology SAVES risk

Based on AVerMedia's expertise of powerful streaming technology and the effective network bandwidth usage nature of IP multicast, AVerCaster HD Duet enables long-term multicasting with high reliability. In addition, AVerMedia also provides quality technical support to ensure the best practice for enterprises.

■ Specifications

Input Signals	HDMI × 2 Component (YPbPr) × 2 Audio (RCA/3.5mm) × 2
Ethernet Output	2
IR Blaster	2
Video Format	H.264 Main/High Profile 1080p 25Hz/30Hz; 1080i 50Hz/60Hz; 720p 50Hz/60Hz; 576p 50Hz; 576i 50Hz; 480p 60Hz; 480i 60Hz
Audio Format	AAC
Transport Protocols	Transport Stream on TCP/UDP (Multicast or Unicast)/RTP (Multicast or Unicast)/RTMP Publish
Streaming Capability	Up to 2 HD Streams
Max. Video Quality	1080p30
Operating Environment	Temperature: 0-50°C/32-122°F Humidity: 0-80% RHNC
Storage Environment	Temperature: -30-65°C/-22-149°F Humidity: 0-90% RHNC
Power	12V/5A
Weight	900g
Dimensions (mm)	230mm (L) × 124mm (W) × 42mm (H)
Supported Client	1. VLC Media Player for Windows, Linux, or Mac 2. mPlayer for Linux 3. IP-STB

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