A V e r C a s t e r   S E 5 8 1 0

1-CH HDMI/3G-SDI HEVC 1080p60 Compact Encoder

AVerCaster SE5810 is a single-channel video encoder allowing the independent Full HD video streams to be broadcasted or recorded at the same time. SE5810 takes HDMI or 3G-SDI video sources up to 1920 x 1080 Full HD resolution (maximum of 1920 x 1200, RB) and encodes a video stream of the same or various bitrates for broadcasting or recording. With powerful single H.265 high-profile codecs, SE5810 records live Full HD video at high quality for VoD playback, and simultaneously broadcasts it via popular streaming service providers such as Facebook Live to an unlimited number of viewers.
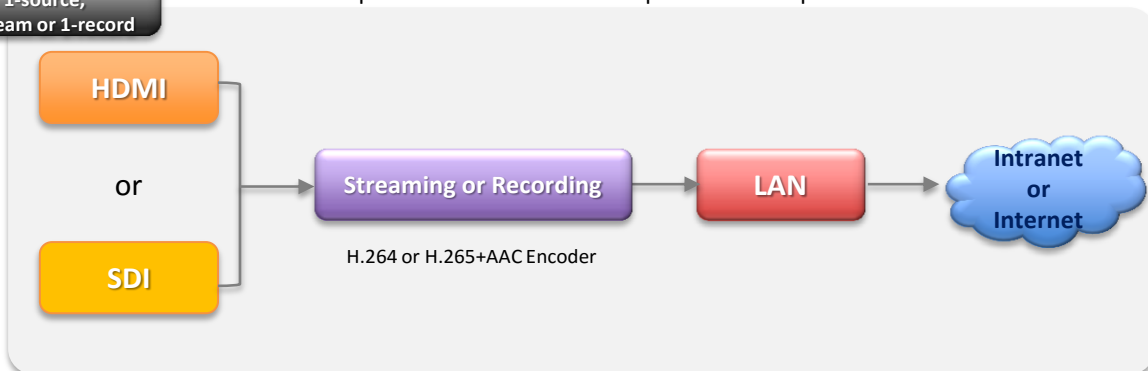
Features

- Support remote NAS storage or local storage to an external USB device/SD Card.
- Simultaneous streaming and recording up to 1080p60.
- Provide an audio out for monitoring purpose.
- Support preview function.
- Encode HEVC directly.
- Support PoE (Power over Ethernet).
- Provide physical buttons (stream, record and switch source) for intuitive operation.
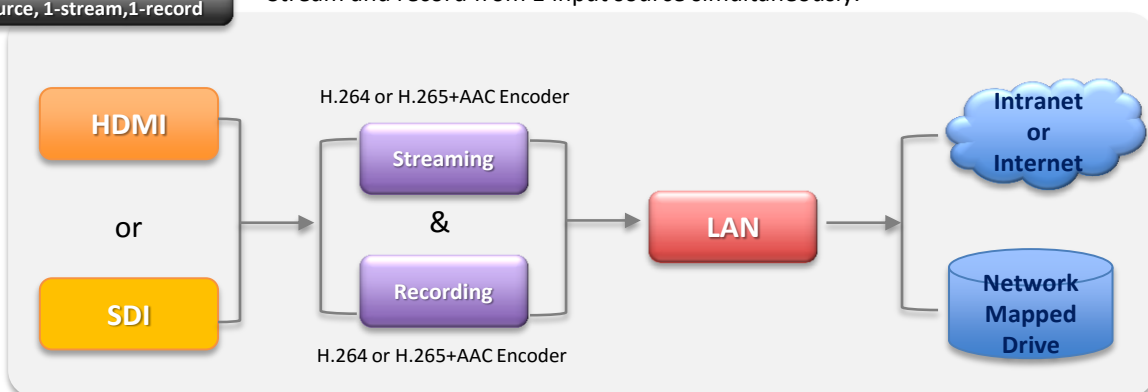
Streaming and Recording Modes

1 to 1 Mode
1-source, 1-stream or 1-record

Select 1 video inputs from HDMI or 3G-SDI ports then output 1 stream or 1 record.

HDMI or SDI → Streaming or Recording (H.264 or H.265+AAC Encoder) → LAN → Intranet or Internet

1, 1, 1 Mode
1-source, 1-stream, 1-record

Stream and record from 1 input source simultaneously.

HDMI or SDI → Streaming (H.264 or H.265+AAC Encoder) & Recording (H.264 or H.265+AAC Encoder) → LAN → Intranet or Internet / Network Mapped Drive

AVerCaster SE5810
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Front and Rear View

Specifications

Video Interface	HDMI 1.4b x 1
	3G-SDI x 1
	Audio embedded
Audio Interface	3.5mm Line-in x 1
	3.5mm Line-out x 1
Channels	1
Streaming or Recording Resolution	640 x 480 to 1920 x 1080, 1920 x 1200 (RB, reduced blanking)
Video Encoder	H.265, H.264
Audio Encoder	AAC
Recording File Format	MP4, MOV, TS
Protocol	TCP, UDP, RTMP, RTP, RTSP, RTMPS
Support Browser	Chrome
Support CDN	YouTube, Facebook Live
Preview Output	HDMI 1.4b
Streaming and Recording	**1 to 1 Mode:** 1 stream audio/video input, encode setting and same streaming protocol/recording.
	1, 1, 1 Mode: Simultaneous streaming and recording from the same video/audio source. Recording to network mapped drive from NAS and Windows shared folders.

Physical Buttons	Stream
	Record
	Switch Source
Connectivity	Ethernet x 1
	RS-485
Storage	NAS
	USB 3.0 for local storage
	SD card slot for local storage
Power	Locking power supply 12V/5A; PoE (Power over Ethernet)
Accessory	Power adapter x 1
	Power cord x 1
	Quick guide x 1
Integration	API for integration and remote control via Web UI
Operating Environment	0˚ to +50˚ (+32˚ F to +122˚ F) Humidity: 0-80% RHNC
Storage Environment	-40˚ to +70˚ (-40˚ F to +158˚ F) Humidity: 0-90% RHNC
Dimensions (L x W x H)	213.5mm x 179.2mm x 41mm (8.41" x 7.56" x 1.61")
Weight	1131g (2.49lbs)

*All specifications are subject to change without prior notice.

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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