# AVerMedia

# AVerCaster SE5810
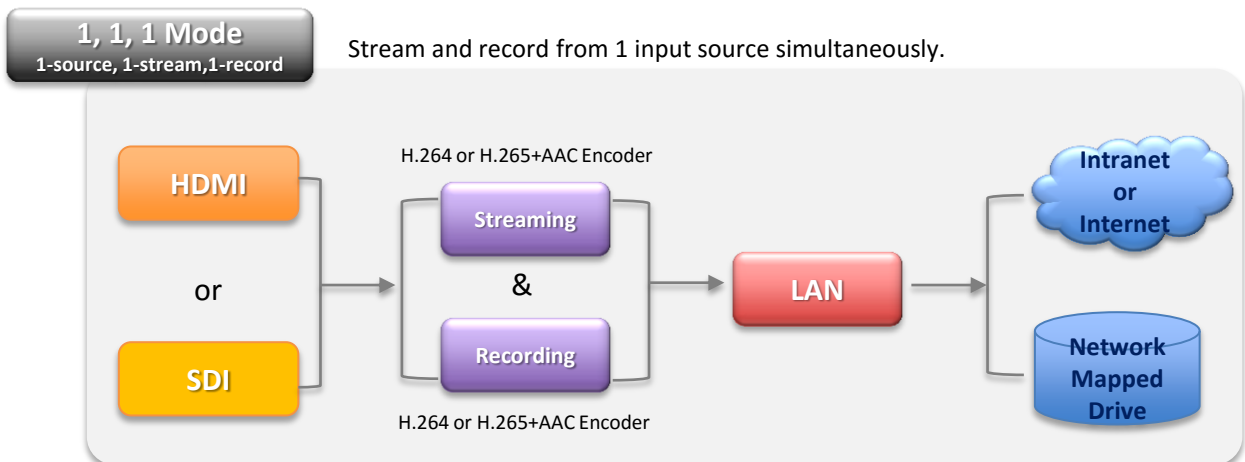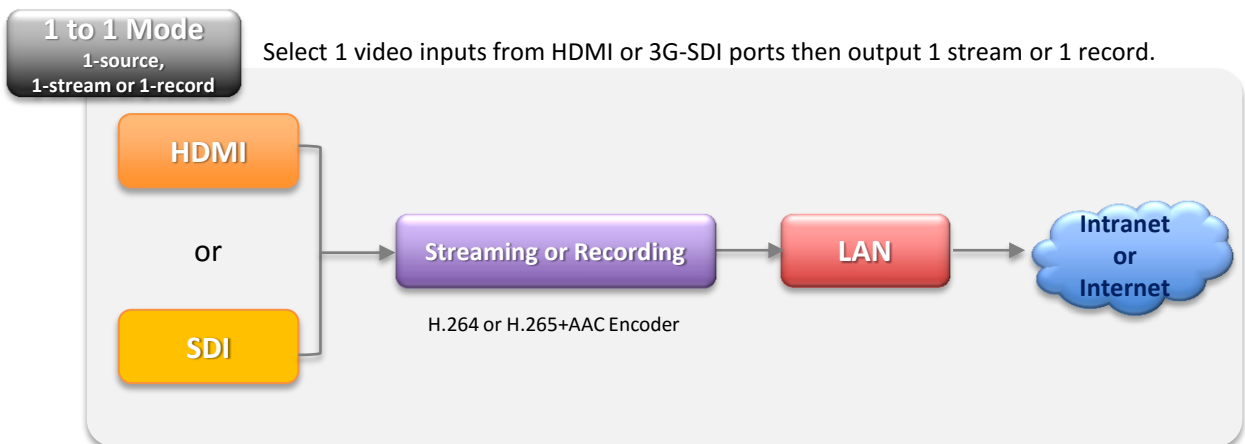
## 1-CH HDMI/3G-SDI HEVC 1080p60 Compact Encoder

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.



### 1, 1, 1 Mode
**1-source, 1-stream,1-record**

Stream and record from 1 input source simultaneously.

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## Front and Rear View



## Specifications

| | |
|---|---|
| Video Interface | HDMI 1.4b x 1 <br> 3G-SDI x 1 <br> Audio embedded |
| Audio Interface | 3.5mm Line-in x 1 <br> 3.5mm Line-out x 1 |
| Channels | 1 |
| Streaming or Recording Resolution | 640 x 480 to 1920 x 1080, <br> 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 <br> Record <br> Switch Source |
| Connectivity | Ethernet x 1 <br> RS-485 |
| Storage | NAS <br> USB 3.0 for local storage <br> SD card slot for local storage |
| Power | Locking power supply 12V/5A; <br> PoE (Power over Ethernet) |
| Accessory | Power adapter x 1 <br> Power cord x 1 <br> Quick guide x 1 |
| Integration | API for integration and remote control via Web UI |
| Operating Environment | $0°$ to $+50°$ ($+32°$ F to $+122°$ F) <br> Humidity: 0-80% RHNC |
| Storage Environment | $-40°$ to $+70°$ ($-40°$ F to $+158°$ F) <br> Humidity: 0-90% RHNC |
| Dimensions (L x W x H) | 213.5mm x 179.2mm x 41mm <br> (8.41" x 7.56" x 1.61") |
| Weight | 1131g (2.49lbs) |

*All specifications are subject to change without prior notice.

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