

# E Series Wired Video Encoder

Low-cost video encoder



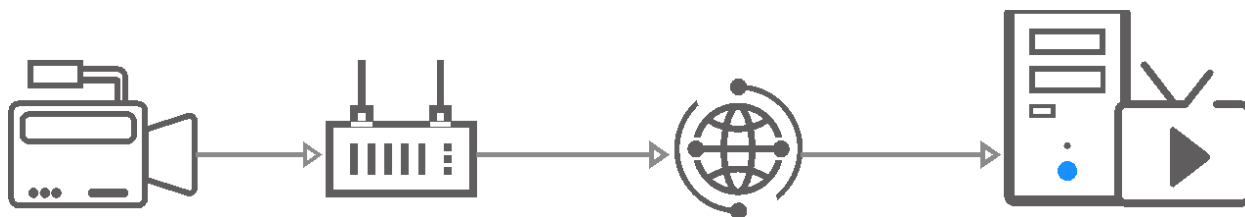
## Descriptions

E series video encoder can encode SDI or HDMI video source and compress into IP stream (NDI supported), to realize long-distance HD transmission/live broadcast over WAN or LAN. It supports SRT/RTMP/RTMPS/HLS/UDP/RTSP/Onvif etc.

- SRT
- PTZ control
- SDK/API provided
- Portrait Live
- 7\*24h continuous working
- Image and text overlay
- Low cost
- Recording storage
- Multi-platform live broadcast

## Applications

Conference/program/event webcast, video network transmission, video interactive connection point to point, SDI camera network transformation, HDMI network transmission/live broadcast, video network recording, portrait live broadcast, etc.



SDI/HDMI video source

E series video encoder

Ethernet wired transmission live broadcast/streaming media platform

## Advantages

### High quality chip solution and modular software system to ensure high image quality and high stability

- High quality chip, FPGA processing after video capture, H.264 algorithm optimization, different streaming protocols, to ensure clear, smooth and high color reproduction;
- 8-layer PCB board design, dual CPU, modular software , low power consumption and low heat dissipation , voltage overload protection, automatic reconnection when power and network off, etc., ensure that the device is stable and can work 7\*24h continuously;
- Adjustable bit rate from 64kbps ~ 40Mbps;
- Input resolution supports up to 1080P60, the encoding output resolution is adjustable.

### Powerful streaming media service (support SRT), support dual stream output and 8stream services can be opened simultaneously for the main and sub streams

- H.264 encoding, support SRT transmission point-to-point and Caller/Listener/ Rendezvous three transmission modes;
- Simultaneously support RTSP/RTMP/RTMPS/HLS/TS-UDP/Onvif etc. streaming media protocols;
- Dual stream output, the main code rate up to 1080P60, and the sub-stream supports 720P60 video encoding;
- Both the main stream and the sub stream can open 8 stream services simultaneously (both can push simultaneously 8 live platforms).

### Support video rotation/cutting (horizontal portrait live broadcast), image and text overlay, video recording, monitor, etc.

- Support video rotation/cropping (such as horizontal screen to vertical screen) horizontal mirroring, color adjustment and other professional operations;
- Support custom text and picture overlay function, which can be superimposed to any position on the screen;
- Micro SD/TF card for local recording, and support NAS network storage;
- Support SDI/HDMI embedded audio encoding, and 3.5mm analog audio input encoding;
- Monitoring and USB expansion PTZ;
- Support Wired IP/satellite network transmission;
- SDK/API provided for secondary development and to integrate with third-party platforms.

## Parameters

Model	E1(SDI)/E2(HDMI)
Video input	E1: 1*BNC 3G-SDI; E2: 1*HDMI
Analog audio interface	2*3.5mm
USB interface	2*USB 2.0 Type-A
Micro SD	1*Micro SD/TF Card Storage interface
Network support	Wired/Satellite
Video loop	E1: 1*BNC 3G-SDI; E2:1*HDMI
Video resolution	Up to 1080P60Hz: SDI: 1080P23.98/24/25/29.97/30Hz;1080P50/59.94/60Hz; 1080i50/59.94/60Hz;720P23.98/24/25/29.97/30Hz;720P50/59.94/60Hz HDMI: 1080P23.98/24/25/29.97/30Hz;1080P50/59.94/60Hz; 1080i50/59.94/60Hz;720P30/50/59.94/60Hz; below 1920*1200.
Video encoding	H.264/AVC, Motion-JPEG
Audio encoding	AAC/G.711
Encoding latency	<67ms
Media transmission protocols	SRT/RTMP/ RTMPS/HLS/TS over UDP/RTSP
Image and text overlay	Support
Record storage	Micro SD/TF card local recording, and NAS network storage
Management	APP/ Web
Power supply/consumption	DC 12V 1A/4W
Dimension	125*89*28mm (4.92*3.50*1.10" )
Weight	380g (13.4oz)
Operation temperature	-20 ~60°C