

E Series Wired Video Encoder

Low-cost video encoder



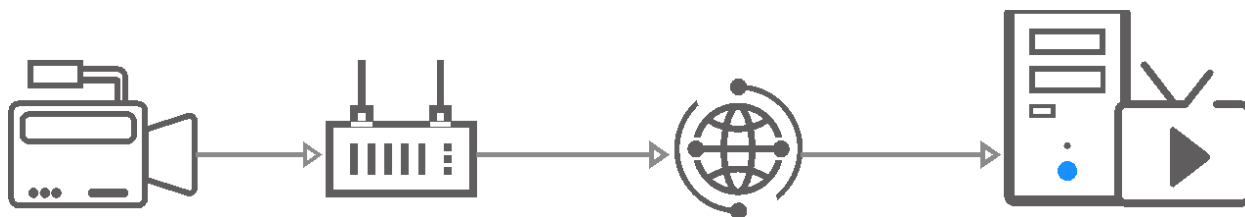
Descriptions

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;
- Customizable support for NDI/SIP/GB-T28181 etc. special protocol;
- 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 / cutting before (such as horizontal screen to vertical screen) ,horizontal mirroring, color adjustment, etc. before encoding;
- 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 /Onvif etc, customize for NDI-HX/SIP
Image and text overlay	Support
Record storage	Micro SD/TF card local recording, and NAS network storage
Management	APP/ Web/IMS
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