

SC-ENC01E-A-SEW6

1080P over IP 100M/1GbE Encoder



Features

- HDMI 1.3 and HDCP 1.4 compliant
- Video resolution up to 1920x1200@60Hz 4:4:4
- Support 4.95Gbps video bandwidth
- Signal transmission distance can be extended up to 328ft / 100m via CAT5E/6/6A/7 cable
- Support point-to-point signal extension
- Support signal distribution, multicast mode, distributed matrix and video wall (up to 9x9) functions over a 1G Network Switch
- Intelligent video wall management makes it achievable of novel layout of wall configurations
- Support LPCM 2.0CH (32/44.1/48KHz) audio format
- Support audio embedding and extracting
- Support RS-232 control (pass-through & Guest mode)
- Support main stream and sub stream encoding modes
- Stream parameters can be configured via Web GUI or Controller Box
- Controlled via RS-232, TCP/IP, Web GUI and Controller Box
- Support POE function (802.3af Class 3, PD mode)
- Smart networking design for easy and flexible installation

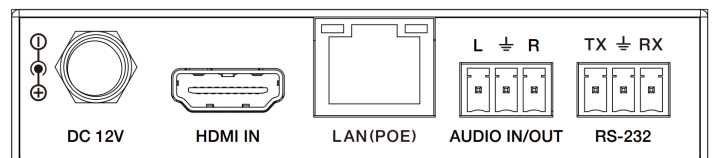
Product Overview

The 4TheWall The SC-ENC01E-A-SEW6 Encoder is a versatile and high-performance device designed for efficient distribution of HD video and audio over IP networks. Utilizing advanced H.265/H.264 compression, it delivers crisp, low-latency video up to 1920x1200@60Hz 4:4:4, making it ideal for professional AV applications. The encoder supports a transmission distance of up to 328ft (100m) over standard CAT5E/6/6A/7 cables, ensuring flexible installation across large areas.

- **High-Quality Video and Audio:** The SC-ENC01E-A-SEW6 Encoder supports H.265/H.264 compression, delivering video resolutions up to 1920x1200@60Hz 4:4:4 for clear, detailed images. It is HDMI 1.3 and HDCP 1.4 compliant and supports LPCM 2.0CH audio for optimal sound quality.
- **Flexible Signal Transmission:** Capable of transmitting signals up to 328ft (100m) via CAT5E/6/6A/7 cables, the encoder supports point-to-point, multicast, and distributed matrix modes. It also offers video wall configurations up to 9x9, enhancing flexibility.
- **Control and Configuration:** Multiple control options, including RS-232, TCP/IP, Web GUI, and Controller Box, enable easy system management. Stream settings can be configured via Web GUI or Controller Box for optimized performance.
- **Power and Networking:** With POE (802.3af Class 3), the encoder simplifies installation by using network cables for power. Its smart networking design ensures easy integration into AV setups.
- **Audio Management:** The encoder supports analog audio embedding and extraction, providing flexibility for integrating external audio sources and outputs.

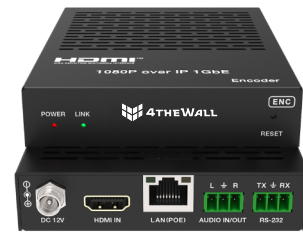
Applications

- **Corporate Environments:** The SC-ENC01E-A-SEW6 Encoder supports video distribution for conference rooms, presentations, and digital signage, making it a valuable tool for streamlining communication and content sharing in office spaces and large corporate campuses.
- **Educational Institutions:** Ideal for lecture halls and remote learning setups, the encoder allows seamless content distribution to multiple displays. It enhances teaching by delivering high-quality video and audio to classrooms and virtual students, ensuring efficient knowledge transfer.
- **Retail and Hospitality:** The encoder powers video walls, digital advertising, and interactive displays. It offers flexible solutions for delivering engaging, dynamic content to customers in stores, hotels, and entertainment venues.
- **Control Rooms and Security:** With its reliable, low-latency video transmission, the SC-ENC01E-A-SEW6 Encoder is perfect for control rooms and security operations. It ensures real-time monitoring across large networks, providing clear video feeds for critical decision-making.



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Technical Specifications

Input and Output	
Inputs & Outputs	1x HDMI 1.3 IN [Type A, 19-pin female] , 1x AUDIO IN/OUT [3-pin phoenix connector]
Inputs Resolution	Up to 1920x1200@60Hz 4:4:4
Network	1x LAN [RJ45 connector, POE] 1x RS-232 [3-pin phoenix connector]
General Features	
Video Bandwidth	4.95Gbps
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2
Video Compression Standart	H.265/H.264
Color	8/10/12bit
HDCP	HDCP 1.4
Audio Formats	LPCM 2.0CH (32/44.1/48KHz)
Transmission Distance	100m (CAT5E/6/6A/7)
Management Features	
Management and Control	RS-232, TCP/IP, Web GUI, and Controller Box
Others	
Power Connection	AC100 - 240V 50/60Hz
Working Temperature	14 - 113°F / -10 - 45°C
Humidity Range	20 - 90% RH (no condensation)
Storage Temperature	-4 - 140°F / -20 - 60°C
Dimensions	120mm × 95mm × 21.5mm - Width/Depth/Height, Metal Enclosure
Weight	2.94kg
Power Value/Consumption	2.64W Max
Mounting	1U Rack Mount
ESD Protection	±8kV (Air-Gap Discharge) & ±4kV (Contact Discharge)
Certifications	
EU/USA	CE/FCC/UL
Package Details	
Package Contents	1 x 1080P over IP 100M/1GbE Encoder 2 x 3-pin Phoenix Connector (3.81mm, male) 4 x Machine Screw (KM3, 4mm) 2 x Mounting Ear 1 x 12V/1A Locking Power Adapter 1 x User Manual