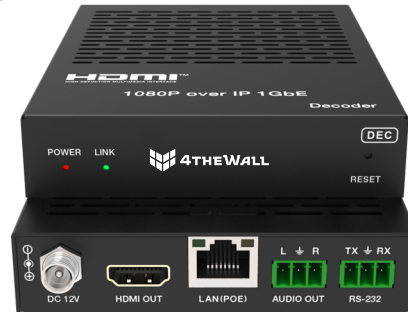


# SC-DEC01E-A-SEW6

1080P over IP 100M/1GbE Decoder



## 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 extracting
- Support RS-232 control (pass-through & Guest mode)
- Support main stream and sub stream decoding 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

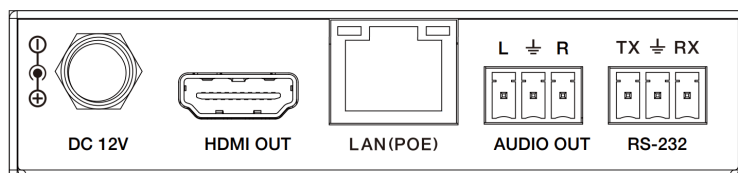
## Product Overview

The 4TheWall The SC-DEC01E-A-SEW6 Decoder is a powerful and flexible solution designed to receive and decode multiple HD video streams distributed over a standard 100M/1G network switch. Supporting advanced H.265/H.264 video compression and various audio formats, this decoder module ensures high-quality video and audio output while maintaining efficient bandwidth usage. It is ideal for professional AV installations requiring scalable and customizable content delivery to multiple displays.

- **Configurable H.265/H.264 Compression:** Decodes high-quality, low-bandwidth video streams with configurable H.265/H.264 compression, delivering optimal video performance even in bandwidth-constrained networks.
- **HDMI 1.3 and HDCP 1.4 Compliant:** Ensures secure and reliable video output compatibility with various HDMI display devices, supporting protected content transmission.
- **Up to 1920x1200@60Hz 4:4:4:** Decodes video resolutions up to 1920x1200@60Hz with 4:4:4 chroma subsampling, ensuring clear and vivid image quality on HD displays.
- **Extended Transmission Distance:** Capable of receiving signals up to 328 feet (100 meters) via CAT5E/6/6A/7 cables, enabling flexible placement of displays throughout large installations.
- **Versatile Signal Distribution Functions:** Provides flexibility with point-to-point signal extension, signal distribution, multicast mode, distributed matrix, and video wall functionalities (up to 9x9 configuration) over a 1G network switch.
- **Customizable Layouts:** Supports intelligent video wall management, allowing for creative and unique layouts, enhancing the flexibility of display configurations.
- **Audio Embedding and Extraction:** Supports analog audio embedding and extraction, ensuring seamless integration with external audio systems.
- **Multiple Control Interfaces:** Can be controlled via RS-232 (pass-through & guest mode), TCP/IP, Web GUI, and Controller Box, providing versatile management options for both local and remote control.
- **Supports POE (Power Over Ethernet):** Compliant with 802.3af Class 3, PD mode, allowing the module to be powered directly from the network switch, simplifying installation and reducing cabling requirements.

## Applications

- **Corporate AV Networks:** Ideal for distributing HD content across multiple displays in corporate environments, such as meeting rooms, lobbies, and offices.
- **Educational and Training Facilities:** Suitable for classrooms, lecture halls, and auditoriums that require flexible video distribution and control over IP networks.
- **Retail and Hospitality Environments:** Perfect for digital signage and in-room entertainment systems where content needs to be distributed to multiple screens with ease.
- **Control Rooms and Command Centers:** Ideal for video walls and monitoring setups requiring efficient and scalable AV management.



## SC-DEC01E-A-SEW6

1080P over IP 100M/1GbE Decoder



### Technical Specifications

Input and Output	
Inputs & Outputs	1x HDMI 1.3 OUT [Type A, 19-pin female] , 1x AUDIO OUT [3-pin phoenix connector]
Output 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	3.1W 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 Decoder 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