LINOVISION

SDVoE Transmitter

POE-HDMI4K60-TX

User's Manual

4 Technical specifications

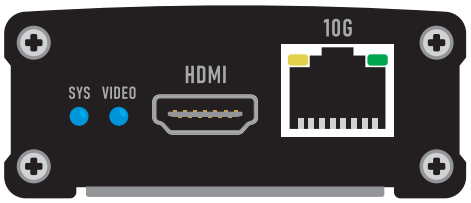
Technical			
HDMI Compliance	HDMI 2.0		
HDCP Compliance	HDCP 2.2		
Encoding / Decoding Data	1080p @ 60Hz 8bit – 3.4Gbps		
	4K UHD @ 30Hz 4:4:4 8bit – 6.4Gbps		
	4K UHD @ 60Hz 4:4:4 8bit – 8.7Gbps (with light compression)		
Video Resolution (Max)	4096x2160p @ 60Hz 8bit 4:4:4 or RGB		
	3840x2160p @ 60Hz 12bit 4:2:2 Dolby Vision		
	3840x2160p @ 60Hz 10bit 4:2:2 HDR10/HLG		
	1920x1080p @ 60Hz 12bit		
Network Bandwidth	10Gbps		
Transmission Distance	70m (10G Copper Transmitter/Receiver over CAT6 cable)		
	100m (10G Copper Transmitter/Receiver over CAT6a/7 cable)		
ESD Protection	Human body model - ±8kV (Air-gap discharge) & ±4kV (Contact discharge)		
Connection			
HDMI ports	1 x HDMI [Type A, 19-pin female]		
Network ports	1 x 10G BASE-T [RJ45 jack] for Copper model		
Mechanical			
Housing	Metal Enclosure		
Dimensions	130 x 65 x 28 mm		
Power Supply	DC Input: DC12V / 1A, or PoE Input: IEEE802.3af (optional)		
Power Consumption	<8W		
Operating Temperature	32 - 104°F / 0 - 40°C		
Storage Temperature	-4 - 140°F / -20 - 60°C		
Relative Humidity	20 - 90% RH (no-condensing)		
Resolution / Cable Length	4K60 - Feet / Meters	4K30 - Feet / Meters	1080P60 - Feet / Meters
HDMI IN / OUT	16ft / 5m	32ft / 10m	50ft / 15m
The use of “Premium High-Speed HDMI” cable is highly recommended.			

2 Product introduction

Thanks for purchasing the SDVoE Transmitter products.

This Transmitter is an SDVoE-Compliant. It provides highest-quality, uncompressed 4K and zero-frame latency audio / video extension over a standard 10G Copper Network Switch. It can transfer advanced HDMI content such as HDR (high dynamic range), full color-depth and HD Bitstream audio.

Front Panel

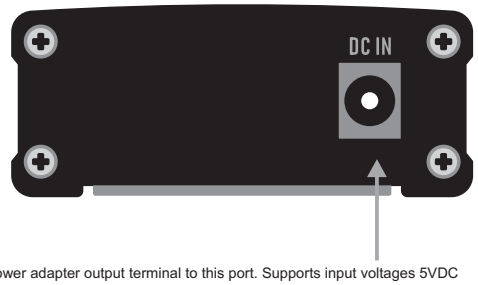


LED Lamp

SYS: The SYS LED lights up when the switch is connected to a power source.

VIDEO: Connection through the HDMI port. LED lights up indicates Effective port connection

Rear Panel



Connect the power adapter output terminal to this port. Supports input voltages 5VDC

1 About this guide

This guide provides instructions to install the SDVoE Transmitter.

Note: The model you have purchased may appear slightly different from the illustrations shown in the document. Refer to the Product InstructionandTechnicalSpecificationsectionsfordetailedinformation about yourswitch, its components, network connections, and technical specifications.

This guide is divided into four parts:

1. About this guide: Terminology/Copyright and statement
2. Product introduction: functional overview and introduction of panel definitions
3. Hardware installation: step by step hardware installation process
4. Technical specifications

Terminology

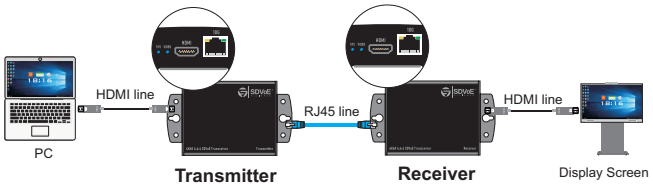
Note: indicates important information that helps a better of the device.

Warning: indicates potential property damage or personal injury.

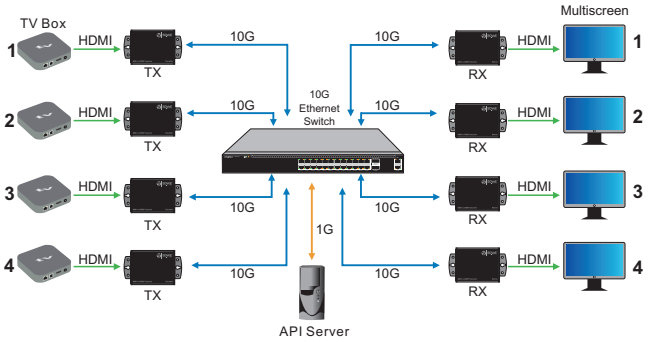
Copyright and statement

Application Diagram

SDVoE point-to-point application



SDVoE matrix application



3 Hardware installation

This chapter provides unpacking and installation information for the SDVoE Transmitter.

open a seal

Open the shipping carton and carefully unpack its contents. Please consult the packing list located in the User Manual to make sure all items are present and undamaged. If any item is missing or damaged, please contact the local reseller for replacement.

- SDVoE Transmitter 1pcs
- User's manual 1pcs
- Power adapter 1pcs

SDVoE Transmitter/Receiver installation

For safe SDVoE Transmitter installation and operation, it is recommended that you:

- Visually inspect the power cord to see that it is secured fully to the power connector.
- Make sure that there is proper heat dissipation and adequate ventilation around the SDVoE Transmitter.
- Do not place heavy objects on the SDVoE Transmitter.

Wall mounting

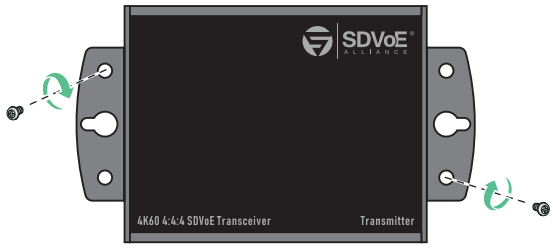
Follow the steps below to mount the switch to a wall using the screw holes.

Step 1. Prepare screws(minimum 4) for mounting the SDVoE Transmitter to a wall.

Step 2. Based on the positions of screw holes on the two side of the SDVoE Transmitter, to make screw holes on a wall accordingly.

Step 3. Insert the screws through the screw holes on the SDVoE Transmitter and screw the SDVoE Transmitter secure the wall.

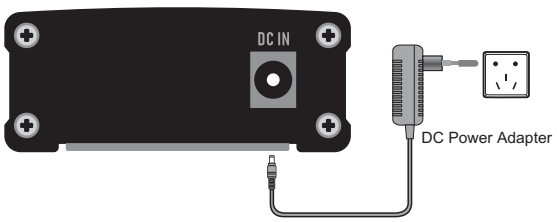
Step 4. To remove the SDVoE Transmitter from the wall, do the opposite from the steps above.



Connecting power supply

Using the power adapter, then plug the output terminal of the adapter into the DC IN socket on the back of the SDVoE Transmitter. (To prevent people from being shocked when touching the device, please install a grounding wire on the power socket).

Warning: Do not turn on the power switch before power cables are connected. Power surge may cause damage to the SDVoE Transmitter.



Powered by PoE

The SDVoE encoder and decoder boxes can be powered by connecting them to a PoE switch that complies with the 802.3at standard via a 10G Ethernet port.