



SY-300H-4K22

Full 4K HDMI to HDMI Scaler with Audio Embedding & De-Embedding



This SY-300H-4K22 accepts and outputs a wide range of resolutions up to 4K@60Hz (4:4:4, 8-bit) with simultaneous audio embedding and de-embedding of digital (HDMI or optical) or analogue audio. Integrated EDID and HDCP management allow for control over the connected sources and displays detected by the unit. The scaled HDMI output is powered by a high quality single-pass scaling engine with the ability to adjust the image with a number of fine tuning options including: contrast, brightness, hue, saturation, sharpness, noise reduction, and RGB levels. 3-D motion adaptive de-interlacing and frame rate conversion is supported as well.

The HDMI input and output supports passing up to LPCM 7.1 digital audio as well as Bitstream and HD Bitstream audio formats. Audio embedding and de-embedding is also available with the included digital optical and analogue stereo audio inputs and outputs (LPCM 2.0 only). Shortcut keys allow the user to quickly change the output resolution to 1080p@60Hz or XGA when needed for quick connection to a display or for troubleshooting purposes.

This is an ideal device to integrate previously incompatible sources and displays in your boardroom, classroom, or home. This unit is controlled via a comprehensive On-Screen Display (OSD) menu that provides the user with easy access to all settings.

PANELS

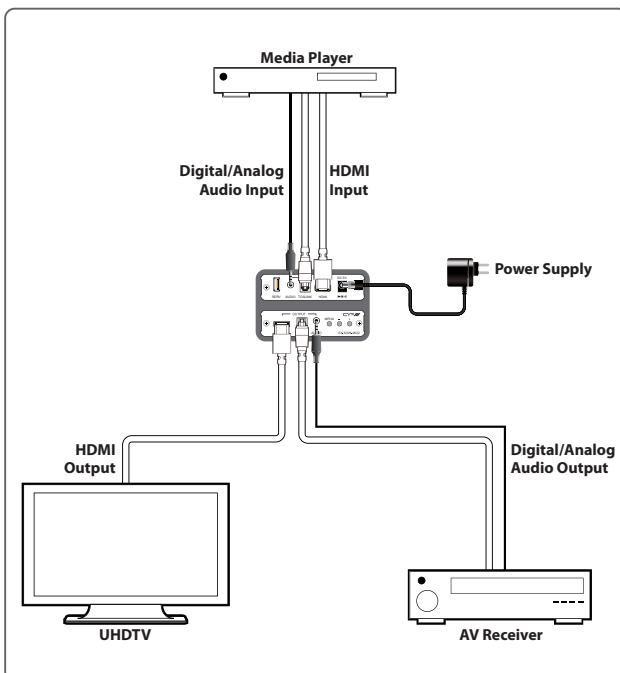


Front View



Rear View

DIAGRAM



FEATURES

- HDMI input and output with 18Gbps (600MHz) 4K UHD support
- DVI 1.0 compliant with the use of an HDMI-DVI adaptor
- HDCP 2.2 and HDCP 1.x compliant
- 1 x HDMI input and 1 x HDMI output
- 1 x Digital Optical Audio (TOSLINK) and 1 Analogue Stereo Audio input
- 1 x Digital Optical Audio (TOSLINK) and 1 Analogue Stereo Audio output
- HDMI input supports resolutions up to 4096x2160p@60Hz (4:4:4, 8-bit)
- Scaled HDMI output supports resolutions from 640x480@60Hz up to 4096x2160p@60Hz (4:4:4, 8-bit)
- Supports pass-through of many audio formats including LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream via HDMI
- Supports audio embedding and de-embedding via digital optical and analogue stereo audio inputs and outputs (LPCM 2.0 only)
- Supports frame rate conversion, 3-D motion adaptive de-interlacing, and 3:2:2:2 pull-down detection and recovery
- Supports output adjustments to contrast, brightness, hue, saturation, sharpness, RGB levels and aspect ratio
- Integrated EDID and HDCP management
- Controllable via front panel buttons with comprehensive OSD

SPECIFICATIONS

Interfaces

Input Port	1 HDMI 1 Analog Stereo (3.5mm) 1 S/PDIF (TOSLINK)
Output Port	1 HDMI 1 Analog Stereo (3.5mm) 1 S/PDIF (TOSLINK)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.x
Input Signal Type	4K@60 8bit YUV 4:4:4
Output Signal Type	4K@60 8bit YUV 4:4:4

Resolutions

Maximum Input	HDMI	4096x2160p@60
Maximum Output	HDMI	4096x2160p@60

Power

Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Power Consumption	11W

Enclosure

Chassis Material	Aluminum
Chassis Colour	Black
Dimensions (WxHxD)	102mmx25mmx147mm [Case Only] 102mmx25mmx155.75mm [All Inclusive]
Weight	350g

Field Firmware Update

USB

ORDERING INFORMATION

Model No.	Product Description
SY-300H-4K22	Full 4K HDMI to HDMI Scaler with Audio Embedding & De-Embedding