4K HDR 1:8 1U Rack-Mount HDMI Splitter with Scaling Outputs, Audio Breakout & EDID Management
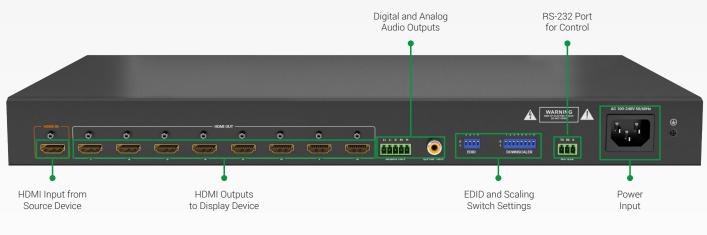
SP-618

Specification Sheet

Digital and Analog Audio Outputs

RS-232 Port for Control

HDMI Input from Source Device

HDMI Outputs to Display Device

EDID and Scaling Switch Settings

Power Input

WyreStorm - Powerful. Reliable. Simple.

Introduction

The SP-618 is a simple yet powerful HDMI splitter that can be used in many applications from digital signage to retail or hospitality. Each HDMI output of the SP-618 features a 4K to 1080p down scaler, allowing for mixed resolution displays to be used simultaneously without suffering from compatibility limitations. A balanced analog and digital S/PDIF audio de-embed allows easy connection for external amplifiers or DSPs. With a 1U chassis, the SP-618 can be easily fitted in standard 19" equipment racks for a tidy installation.

Key Features

- Uncompressed HDMI signal distribution supporting full 18Gbps bandwidth and 4K60 444 video content
- Compatible with latest HDR video standards including HDR10, HDR10+ Dolby Vision and HLG
- Balanced analog audio de-embed and a digital S/PDIF de-embed for distributing audio to an amplifier or DSP
- Each HDMI output supports 4K to 1080p downscaling to support mixed resolution systems

- Output downscaling controlled through easy to use dipswitches
- EDID Management through RS232 API, dipswitches, or front panel Read & Select buttons
- RS-232 API for controlling EDID settings and querying HDMI connection status, resolution, etc...
- 1U 19" chassis for convenient installation into standard equipment racks

In the Box

1x SP-618
1x AC Power Cord (UK/US/EU/AU)
1x 3-pin Terminal Block

1x 5-pin Terminal Block
2x Mounting Brackets with screws
1x Quickstart Guide

Specifications

Audio and Video	
Inputs	1x HDMI In: 19-pin type A
Outputs	8x HDMI Out: 19-pin type A
Video Encoding	Uncompressed 18Gbps
End to End Latency	None
Audio Formats	2ch PCM | Multichannel: LPCM and Up to DTS-X and Dolby Atmos

	Video Resolution	HDMI
Video Resolutions (Max)	1920x1080p @60Hz 16bit	7m/23ft
	3840x2160p @60Hz 10bit 4:2:2 HDR10/10+	5m/16ft
	3840x2160p @60Hz 12bit 4:2:0 Dolby Vision	5m/16ft
	3840x2160p @50Hz 10bit 4:2:0 HLG	5m/16ft
	4096x2160p @60Hz 8bit 4:4:4	5m/16ft

Supported Standards	DCI | RGB | HDR10 | HDR 10+ | Dolby Vision | HLG | BT.2020
Maximum Pixel Clock	600MHz

Communication and Control	
HDMI	HDCP 2.2 | EDID | DVI-D supported with adapter (not included)
RS-232	1x 3-pin Phoenix connection

Power	
Power Supply	100~240V AC 50/60Hz
Max Power Consumption	60W

Environmental	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) | 10% ~ 90%, non-condensing
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C) | 10% ~ 90%, non-condensing
Maximum BTU	205 BTU/hr

Dimensions and Weight	
Rack Units/Wall Box	1U
Height	44.4mm/1.7in
Width	438mm/17.25in
Depth	184mm/7.25in
Weight	2.17kg/4.80lbs

Regulatory	
Safety and Emission	CE | FCC | RoHS | RCM | EAC