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

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 180bps

**End to End Latency**
None

**Audio Formats**
2ch PCM | Multichannel: LPCM and Up to DTS-X and Dolby Atmos

### Video Resolutions (Max)

<table>
<thead>
<tr>
<th>Video Resolution</th>
<th>HDMI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1080p @60Hz 16bit</td>
<td>7m/23ft</td>
</tr>
<tr>
<td>3840x2160p @60Hz 10bit 4:2:2 HDR10/10+</td>
<td>5m/16ft</td>
</tr>
<tr>
<td>3840x2160p @60Hz 12bit 4:2:0 Dolby Vision</td>
<td>5m/16ft</td>
</tr>
<tr>
<td>3840x2160p @50Hz 10bit 4:2:0 HLG</td>
<td>5m/16ft</td>
</tr>
<tr>
<td>4096x2160p @60Hz 8bit 4:4:4</td>
<td>5m/16ft</td>
</tr>
</tbody>
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**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**
3.7kg/8.15lbs

### Regulatory

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