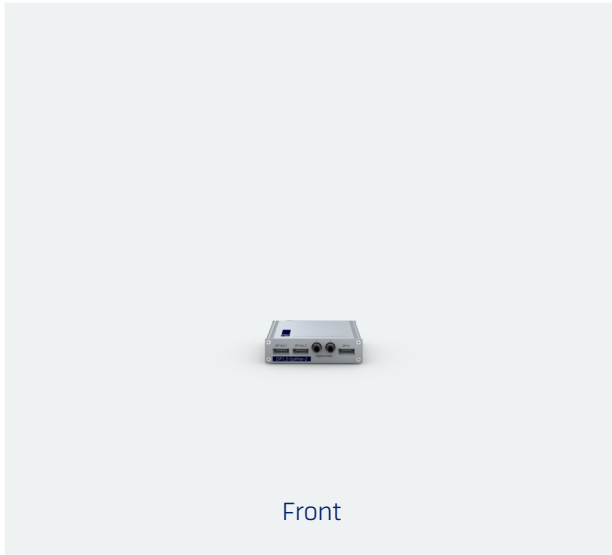
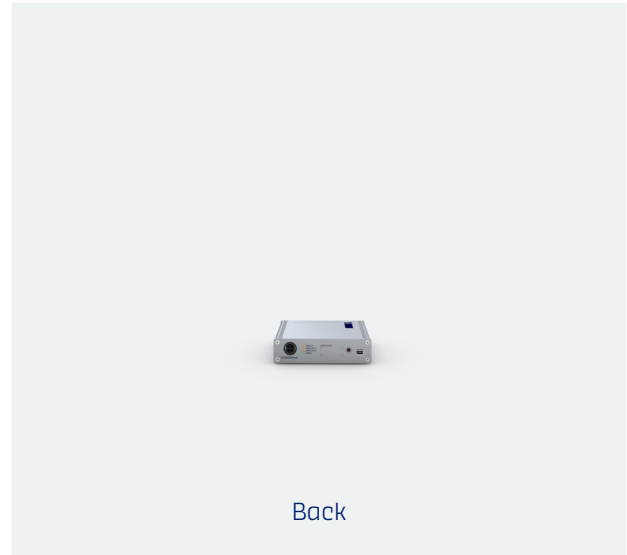


# DP1.2-SPLITTER-2

KVM add-ons, Article number A4000018



Front



Back

The Digital Signage product DP1.2-Splitter-2 distributes one DisplayPort 1.2 video signal to multiple displays. The DP1.2-Splitter-2 is a stand-alone device.

## SCOPE OF DELIVERY

| Quantity | Description                             | Article number |
|----------|-----------------------------------------|----------------|
| 1        | Netzteil 12V / 2,08AFSP025-D12C14 FSP   | Z0005926       |
| 1        | PowerCable-2 Standard cable 2m          | A6300057       |
| 1        | Safety instructions flyer - FCC class B | A9100371       |

## DETAILS

### VIDEO

- Distributes one DisplayPort1.2a signal to two displays
- Native 4K resolution at 60 Hz
- Uncompressed, lossless transmission in 1:1 performance, pixel perfect, latency free (zero delay) transmission, no frame drops, no tearing with a perfect hand eye coordination

### SIGNALS

- Embedded stereo audio (DisplayPort Digital, LPCM 2/4/6/8 channels)
- Digital audio signal (2 channel LPCM, consumer, PCM stereo)

### DEVICE

- Independent from any operating system
- Access to standard interfaces of the computer, with no software installation required
- External power supply

### WARRANTY

- A 3-year, free of charge product guarantee
- For an additional fee guarantee extension possible

## EXTENSIONS

### SYSTEM EXTENSION

- cascadable up to 3 levels

## TECHNICAL DATA

|              |                              |                                                                                                                                                                                                                                      |
|--------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General      | Product group                | KVM add-ons                                                                                                                                                                                                                          |
|              | Product Family               | DP1.2-Splitter-2                                                                                                                                                                                                                     |
|              | Power Supply                 | no redundancy                                                                                                                                                                                                                        |
| Video input  | Quantity                     | 2                                                                                                                                                                                                                                    |
|              | Format                       | DisplayPort 1.2 (LBR, HBR, HBR2, SingleStream-Transport (SST))                                                                                                                                                                       |
|              | Colour depth                 | 24 bit                                                                                                                                                                                                                               |
|              | Pixel encoding               | RGB 4:4:4 (24 bpp / 8 bpc)                                                                                                                                                                                                           |
|              | Pixel rate ca.               | 0 MPixel/s to 600 MPixel/s                                                                                                                                                                                                           |
|              | Vertical frequency           | 24 Hz to 240 Hz                                                                                                                                                                                                                      |
|              | Horizontal frequency         | 25 kHz to 295 kHz                                                                                                                                                                                                                    |
|              | Exemplary resolutions        | 4096 × 2160 (60 Hz)<br>3840 × 2160 (60 Hz)<br>2560 × 1600 (60 Hz)<br>2560 × 1440 (144 Hz)<br>2048 × 2048 (60 Hz)<br>1920 × 1200 (60 Hz)<br>1920 × 1080 (240 Hz)<br>1920 × 1080 (60 Hz)<br>5120 × 1440 (60 Hz)<br>5120 × 2160 (50 Hz) |
|              | General Notes                | Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.                                                                                                                          |
|              | Supported industry standards | Display Data Channel Command Interface (DDC/CI)                                                                                                                                                                                      |
| Video output | Quantity                     | 2                                                                                                                                                                                                                                    |

|         |                              |                                                                                                                                                                                                                                      |
|---------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | Format                       | DisplayPort 1.2 (LBR, HBR, HBR2, SingleStream-Transport (SST))                                                                                                                                                                       |
|         | Colour depth                 | 24 bit                                                                                                                                                                                                                               |
|         | Pixel encoding               | RGB 4:4:4 (24 bpp / 8 bpc)                                                                                                                                                                                                           |
|         | Pixel rate ca.               | 0 MPixel/s to 600 MPixel/s                                                                                                                                                                                                           |
|         | Vertical frequency           | 24 Hz to 240 Hz                                                                                                                                                                                                                      |
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|         | General Notes                | Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.                                                                                                                          |
| Audio 1 | Supported industry standards | Display Data Channel Command Interface (DDC/CI)<br>Extended Display Identification Data (EDID)                                                                                                                                       |
|         | Transmission type            | LPCM (2/4/6/8 channels)<br>Stereo                                                                                                                                                                                                    |
|         | Resolutions                  | 24 bit<br>20 bit<br>16 bit                                                                                                                                                                                                           |

|             |                      |                                                                                                                      |
|-------------|----------------------|----------------------------------------------------------------------------------------------------------------------|
|             | Sampling rate        | up to 32 kHz<br>up to 44.1 kHz<br>up to 48 kHz<br>up to 88.2 kHz<br>up to 96 kHz<br>up to 176.4 kHz<br>up to 192 kHz |
|             | Audio support        | Digital Embedded                                                                                                     |
| Audio 2     | Transmission type    | Consumer<br>SPDIF<br>Stereo<br>2-channel LPCM                                                                        |
|             | Resolutions          | 24 bit                                                                                                               |
|             | Sampling rate        | up to 48 kHz<br>up to 96 kHz<br>up to 192 kHz                                                                        |
|             | Bandwidth            | 22 kHz                                                                                                               |
|             | Audio support        | Digital                                                                                                              |
| Maintenance | Update via           | Update Wizard (service interface)                                                                                    |
|             | Serviceport settings | 115200bps (8/N/1)                                                                                                    |
| Housing     | Material             | anodised aluminium                                                                                                   |
|             | Width ca.            | 105 mm                                                                                                               |
|             | Height ca.           | 26 mm                                                                                                                |
|             | Depth ca.            | 84 mm                                                                                                                |
|             | IP protection class  | IP20                                                                                                                 |
|             | Weight ca.           | 0.2 kg                                                                                                               |

|                      |                                            |                                                                                                                                                                                                                                                                   |
|----------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating conditions | Operating environment temperature          | 5 °C to 40 °C                                                                                                                                                                                                                                                     |
|                      | Operating air humidity, non-condensing     | 20 % to 80 %                                                                                                                                                                                                                                                      |
|                      | Area of application                        | Indoor use                                                                                                                                                                                                                                                        |
|                      | Maximum operating altitude above sea level | 3,048 m                                                                                                                                                                                                                                                           |
|                      | Storage environment temperature            | -10 °C to 55 °C                                                                                                                                                                                                                                                   |
|                      | Storage air humidity, non-condensing       | 15 % to 85 %                                                                                                                                                                                                                                                      |
|                      | MTBF                                       | 150,000 h at 25°C                                                                                                                                                                                                                                                 |
|                      | Conformities                               | CE compliant (see downloads)<br>UKCA compliant (see downloads)<br>FCC compliant (see manual)<br>TAA compliant (see downloads)<br>EAC compliant (see downloads)<br>RoHS compliant (see downloads)<br>WEEE (reg. no. DE30763240)<br>REACH compliant (see downloads) |
| Power supply         | Quantity                                   | 1                                                                                                                                                                                                                                                                 |
|                      | Type                                       | External                                                                                                                                                                                                                                                          |
|                      | Input voltage                              | 12 VDC                                                                                                                                                                                                                                                            |
|                      | Current consumption                        | 0.5 A                                                                                                                                                                                                                                                             |
|                      | Power consumption idle                     | 0.8 W                                                                                                                                                                                                                                                             |
|                      | Power consumption max.                     | 1.5 W                                                                                                                                                                                                                                                             |
|                      | Heat output idle                           | 0.8 W                                                                                                                                                                                                                                                             |
|                      | Heat output max.                           | 1.5 W                                                                                                                                                                                                                                                             |

## ACCESSORY PRODUCTS

| Image                                                                             | Description                                                                                        | Article number |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------|
|  | <b>DP1.4-Cable-M/M-2 SK13357 2m</b><br>Single cable to connect a DisplayPort video channel (DP1.4) | A6300173       |
|  | <b>DP1.4-Cable-M/M-3 SK13358 3m</b><br>Single cable to connect a DisplayPort video channel (DP1.4) | A6300174       |
|  | <b>DP1.4-Cable-M/M-5 SK13359 5m</b><br>Single cable to connect a DisplayPort video channel (DP1.4) | A6300175       |

# CONTACT

## WE ARE HERE FOR YOU!

If you have any further questions, we are looking forward to advising you on your individual project requirements.

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