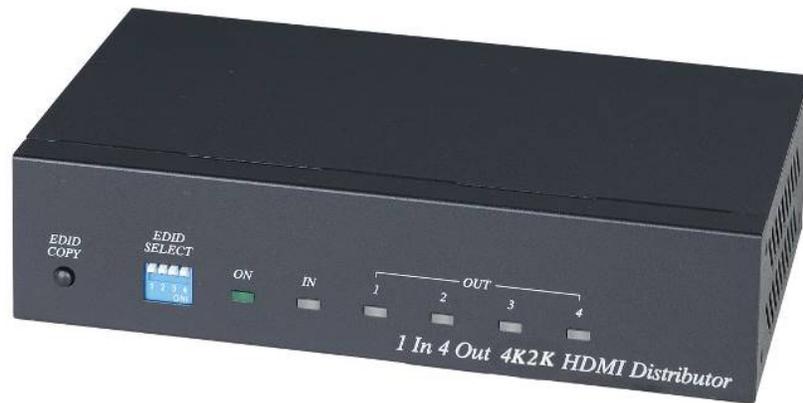


VOPEX® Series

VOPEX-4K18GB-4

HDMI 2.0 4K 60Hz 1 IN 4 OUT HDMI Splitter



Introduction

VOPEX-4K18GB-4 is an HDMI 2.0/HDCP 2.2 compliant splitter supporting resolutions up to UHD 4K2K @60Hz. It equalizes the signal and distributes it to four identical outputs.

Features

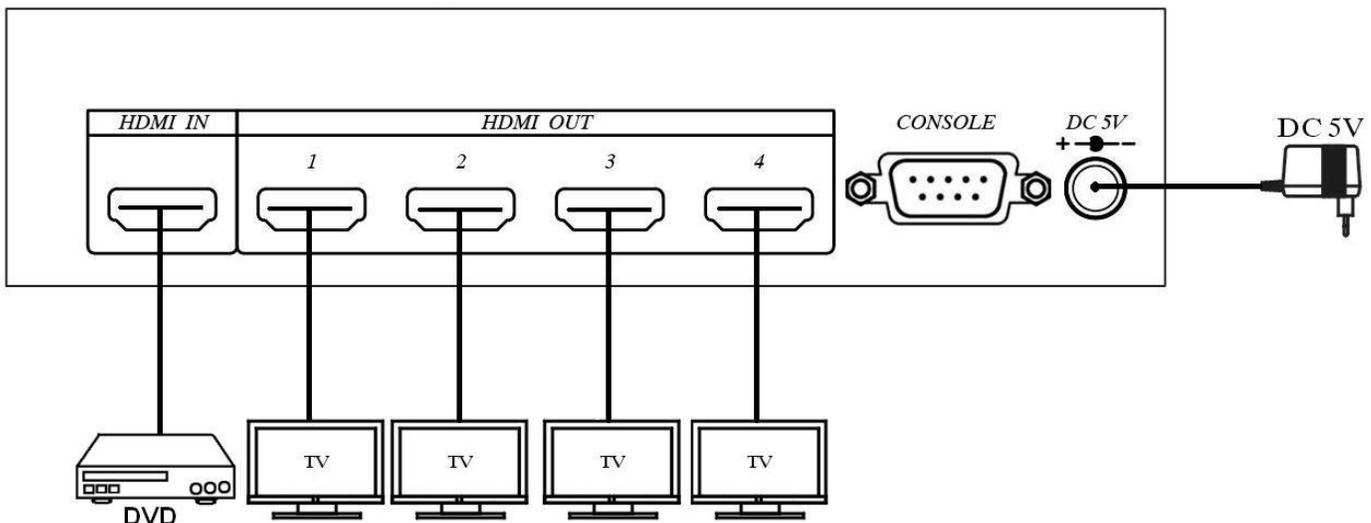
- Connects up to 4 HDMI displays at the same time from an HDMI source.
- Supports 4K@60Hz 4:4:4 18Gbps (6Gbps per color),1080p@60Hz 16bit,3D,High Dynamic Range
- Built-in EDID learning/integration function.
- Supports LPCM 7.1, Dolby TrueHD, DTS-HD Master Audio.
- HDMI 2.0 compliant.
- HDCP 1.4/2.2 compliant.
- DVI 1.0 compliant.

Materials Supplied

VOPEX-4K18GB-4 4K HDMI Splitter
100-240VAC, 50/60Hz ; 5VDC 2A AC Adapter
Mounting hardware

Installation

1. Connect the video source to "HDMI IN".
2. Connect up to 4 displays to the "HDMI OUT" ports. If displays are different models, use the DIP switches (page 3) to determine what resolutions will be supported.



Note: For available cable lengths, see chart on page 4.

3. Connect the power supply and power up the VOPEX, video source and displays (in any order).

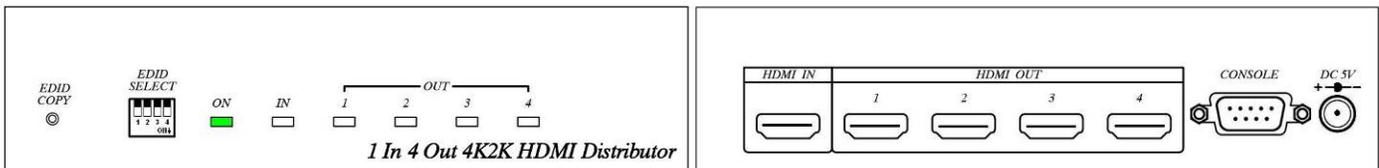
Mounting

Screws and wall anchors are included to secure the VOPEX to a surface. Slots (.155 In. wide) are found on the bottom of the unit. Install the screws and attach the VOPEX.



Panel View

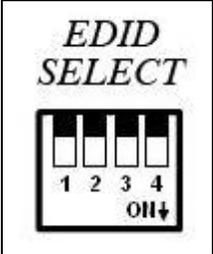
VOPEX-4K18GB-4



LED Indications

| Label | Meaning |
|-------|----------------------------------|
| ON | Green ON = Power ON |
| IN | Blue ON= HDMI Input connected |
| OUT1 | Blue ON= HDMI Out 1 is connected |
| OUT2 | Blue ON= HDMI Out 2 is connected |
| OUT3 | Blue ON= HDMI Out 3 is connected |
| OUT4 | Blue ON= HDMI Out 4 is connected |

DIP Switch for EDID



DIP Switch Function

The default position is with DIP Switch 1~4 OFF (switches are all up) meaning EDID is set at 1080P.

| Position | Effect |
|---------------------------|--|
| Switch 1 ON | Use Output 1 as EDID source |
| Switch 2 ON | Use Output 2 as EDID source |
| Switch 3 ON | Use Output 3 as EDID source |
| Switch 4 ON | Use Output 4 as EDID source |
| More than 1 DIP switch ON | <p>The VOPEX will analyze the EDID from each monitor associated with the DIP switches in the ON position and generate a set of EDID common to each monitor.</p> <p>Example: Outputs 1 and 2 have different displays attached. Set the DIP switches 1 and 2 to the ON position and press "EDID COPY" button. A new a set of EDID supporting both monitor's screen resolutions will be created.</p> |

Note : If more than one DIP switch is ON, the VOPEX will only support stereo (2-Channel) audio.

EDID COPY Button

When the "EDID COPY" button is pressed, the VOPEX will learn and generate EDID according to the DIP switch settings.

Console Port

Firmware update feature not supported as of this publishing.

Connect a serial cable for R232 interface between the "Console" port and a PC for firmware updates.

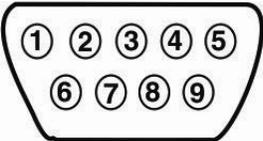
Serial Cable Pinout:

DB9M(Male)

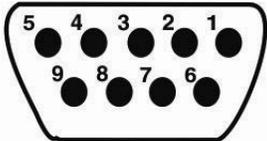
| RS232 | |
|-------|--------|
| Pin | Signal |
| Pin 2 | TX In |
| Pin 3 | RX Out |
| Pin 5 | GND |

DB9F(Female)

| RS232 | |
|-------|--------|
| Pin | Signal |
| Pin 2 | TX Out |
| Pin 3 | RX In |
| Pin 5 | GND |



Mating Face of DB9 Male



Mating Face of DB9 Female

Specifications

| | |
|------------------------|---|
| Resolution | 480i/p, 576i/p, 720p, 1080i/p@60Hz, 4K@30Hz, 4K@60Hz(YCbCr 4:4:4) |
| HDMI Connector | HDMI Type A x 5 |
| Audio Support | LPCM 7.1, Dolby TrueHD, DTS-HD Master Audio |
| Console | RS-232 x 1 |
| DIP Switch | 4 Pin Dip Switch x 1 |
| Function button | Button x 1 |
| Power Supply | 100-240VAC, 50/60Hz ; 5VDC 2A AC Adapter |
| Power Consumption | 1000mA (Max) |
| Environmental | Operation: 32 to 140°F (0 to 60°C) Storage: -4 to 185°F (-20 to 85°C) Humidity: up to 95% |
| Dimensions WxDxH (In.) | 6.57 x 3.96 x 1.57 (167 x 100.5 x 40mm) |
| Weight | 455g (1 lb.) |
| Agency Approvals | RoHS, CE |

Use NTI HDMI Cables for Input and Output cables

| Available Cables | Supported Resolution | |
|---|----------------------|-------------------------|
| | 1080p@60Hz | 4096x2160 and 3840x2160 |
| HD-xx-MM Where x=3,6,10,15,20, 30 and 50 ft | Yes | Max. 20 ft (@ 30/60Hz) |
| HD-ACT-xx-MM Where xx= 20,25,30,40 and 50 ft | Yes | Yes (@ 30/60Hz) |
| HD-ACT-xx-MM Where xx= 60,75 and 100 ft | Yes | No |
| HD4K18GB-FO-xxM-MM Where xx= 10,15,20,25,30,50,70 and 100 meters | Yes | Yes |
| DVI-HD-xM-MM Where x= 1,2,3 and 5 meters | Yes | No |

Warranty Information

The warranty period on this product (parts and labor) is two (2) years from the date of purchase. Please contact Network Technologies Inc at **(800) 742-8324** (800-RGB-TECH) or **(330) 562-7070** or visit our website at <http://www.networktechinc.com> for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.

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