

Graphics Card Requirement

A computer with a DisplayPort v1.2 compatible Graphics Card (e.g. AMD Radeon with AMD Eyefinity technology) is required to display in video wall mode. Backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying in Clone / Mirror mode only). Compatibility with older graphics cards is not guaranteed. MST compliant DisplayPort 1.2 graphics cards are limited to a bandwidth of 21.6 Gbps amongst all monitors, with higher resolution monitors using up more bandwidth. 1080p monitors will use up approximately 22% of bandwidth, whereas 4K monitors will use 40% or more. As each monitor will be different, it is necessary to verify the percentage of bandwidth being used by each monitor in the display settings interface for your graphics card. If the total percentage of bandwidth taken up by all of the connected monitors exceeds 100%, an image will not display on one or more of them. Maximum supported video resolutions and number of monitors will be dependent upon your graphics card. Check the specifications of your graphics card to determine its capabilities.

2-Port DisplayPort to HDMI Multi-Monitor Splitter MST Hub, 4K UHD, DP1.2, TAA

MODEL NUMBER: **B156-002-HDMI**



Ideal for digital signage at schools, airports and other public venues that require a DisplayPort video signal to appear on two separate HDMI monitors or expanded across both monitors as a video wall.

Description

Get everyone's attention by broadcasting awesome messages in luscious 4K video. With the B156-002-HDMI 2-Port DisplayPort 1.2 to HDMI MST Hub, you can split or expand a single DisplayPort signal into two separate signals and display them on two HDMI monitors using standard DisplayPort (P580-Series or P583-Series) and HDMI (P568-Series) cables. You can display the same image on each monitor, extend the desktop across them or display in video wall mode where monitors are combined to display as one enlarged monitor. The B156-002-HDMI supports Ultra High Definition (UHD) video resolutions up to 4K at 30Hz (3840 x 2160), 48-bit Deep Color (16 bits per channel), HDCP, EDID and DDC. It comes with an external power supply and brackets for wall-, rack- or pole-mounting. All mounting hardware is included. Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

Features

Splitting, Extending, Multi-Display

- Splits or expands a DisplayPort audio/video signal on two HDMI monitors
- Display the same image on each monitor, extend the desktop across them, or display in video wall mode where monitors are combined to display as one, enlarged monitor
- Supports both 4K (3840 x 2160 at 30 Hz) UHD video and standard 1080p (1920x1080 at 60 Hz) high-definition video

Video Standards and Protocols

Highlights

- Compliant with DisplayPort 1.2
- Splits or expands a DisplayPort audio/video signal on two HDMI monitors
- Display the same image on each monitor, extend the desktop across them, or display in video wall mode where monitors are combined to display as one
- Supports Ultra High Definition (UHD) video resolutions up to 4K @ 30Hz (3840 x 2160) - see System Requirements
- Supports up to 48-bit Deep Color (16 bits per channel)
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- A computer with a DisplayPort v1.2 compatible Graphics Card (e.g. AMD Radeon with AMD Eyefinity technology) is required to display in video wall mode.
- Mac OS X does not support MST for NVIDIA and Intel Graphics Processor Units, limiting video display on the connected monitors to mirror mode.
- Backward compatible with most DisplayPort 1.1a equipment running current graphics drivers, with the feature set being limited to that of your equipment (e.g. you may be limited to displaying in Clone / Mirror Mode only). Compatibility with older graphics cards is not guaranteed.
- Maximum supported video resolutions and number of monitors will be dependent upon your graphics card. Check the specifications of your graphics card to determine its capabilities.
- A monitor with a HDMI port.

Package Includes

- B156-002-HDMI DisplayPort 1.2 to HDMI Multi-Stream Transport (MST) Hub
- Mounting Hardware
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.)



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- Supports up to 48-bit Deep Color (16 bits per channel) and video resolutions up to 4K Ultra High Definition (UHD), 3840 x 2160 @ 30 Hz
- Complies with HDCP, EDID and DDC
- Compatible with DisplayPort 1.2
- Compatible with Apple® Thunderbolt connectors

Installation

- Plug-and-play; no software or drivers required
- Easy to install; connect the DisplayPort video source to the hub's input port, connect the external power supply and finally connect the two HDMI monitors to the output ports

Mounting Options

- Wall-, rack- or pole-mounting; all mounting hardware is included

TAA-Compliant for GSA Schedule Purchases

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332175892
Product Type	Splitter
Technology	DisplayPort; HDMI
Host Connector	DISPLAYPORT (MALE)
VIDEO	
Max Supported Video Resolution	3840 x 2160 (4K) @ 30Hz
Max Supported Color Depth	48-bit Deep Color
3D Video Supported	Yes
AUDIO	
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
INPUT	
AC Power Adapter Plug(s)	NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.5A
AC Power Adapter Output Specs (V / A)	5V / 2A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.4
POWER	
Power Source Type	AC Adapter
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft.



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DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
Power Consumption (Watts)	4.1
CONNECTIONS	
Number of Ports	2
Side A - Connector 1	DISPLAYPORT (FEMALE)
Side B - Connector 1	(2) HDMI (FEMALE)
Connector Plating	Nickel
Contact Plating	Gold
Input x Output	1 x 2
Daisy-chainable / Cascadable	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	(x2) Orange (Monitor Signal); (x1) Green (Power)
PHYSICAL	
Color	Black
Material of Construction	Metal
Cable Length (ft.)	0
Cable Length (m)	0.00
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	2.20 x 6.50 x 7.20
Shipping Dimensions (hwd / cm)	5.59 x 16.51 x 18.29
Shipping Weight (lbs.)	1.04
Shipping Weight (kg)	0.47
Unit Dimensions (hwd / in.)	1.000 x 5.300 x 3.600
Unit Dimensions (hwd / cm)	9.175 x 6.414 x 2.56
Unit Packaging Type	Box
Unit Weight (lbs.)	0.86
Unit Weight (kg)	0.39
ENVIRONMENTAL	
Operating Temperature Range	14° to 167°F (10° to 75°C)
Storage Temperature Range	-4° to 176°F (-20° to 80°C)
Relative Humidity	0-85% non-condensing
BTUs	14 BTU/Hr
COMMUNICATIONS	



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EDID Compatible	Yes
FEATURES & SPECIFICATIONS	
MST Support	Yes
Displayport Specification	1.2
HDCP Specification	1.3
Driver Required	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	FCC; UL; cUL
Product Compliance	RoHS; REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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