7-Port Multi-Format Presentation Switch, 4K 60 Hz HDMI, 4K DP, VGA, YPbPr, AV and USB to HDMI

MODEL NUMBER: **B310-701-4K**



Switches between 7 analog and digital audio/video sources, including 4K HDMI and 4K DisplayPort, and transmits them to one HDMI display.

Features

7-Port Multi-Format Presentation Switch Connects 7 Video Sources to One HDMI Display
This presentation switch connects seven separate digital and analog source devices to your television, projector or monitor's HDMI input and switches between them. The B310-701-4K features HDMI, DisplayPort, VGA + Audio, Component (YPbPr) and Composite (Y) inputs for connecting Windows laptops, cable boxes, media servers, DVD and Blu-ray players, video game consoles and other video sources. Switch from one source to another using the manual push buttons or the included remote control.

Suitable for a Wide Range of Audio/Video Applications for Work or Play
This switch is recommended anywhere a variety of video signals is transmitted to a high-definition display. It is suitable for home theaters, video and multimedia presentations, security applications or digital signage in classrooms, bars, restaurants, conference rooms, lecture halls, exhibition centers and trade shows.

Transmits Video from an Upscaled 1080p All the Way to True 4K
Video resolutions include true 4K (4096 x 2160) at 60 Hz (HDMI), 4K (3840 x 2160) at 60 Hz (DisplayPort), 1280 x 768 at 60 Hz (VGA), 1920 x 1080 at 60 Hz (Component YPbPr) and 1280 x 720 at 60 Hz (Composite Y). This switch automatically upscales lower-resolution content to fit the screen. Use the menu options to change picture mode, aspect ratio, resolution output of each port, color temperature and sound output.

Supports HDCP 2.2 and 4:4:4 Color for Up-to-Date Presentations
HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications. This switch also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor. You can also connect a U-disk for audio (MP3), video (MP4, WMA), picture (JPG, BMP) or text (English) via the front-panel USB 2.0 port.

Built-In Audio Extractor Lets You Control Sound
TOSLINK, coaxial and RCA right/left audio ports allow you to connect an amplifier, receiver, soundbar or speakers for optical, digital or analog sound. All three audio ports can be used simultaneously. The B310-701-4K supports uncompressed LPCM digital audio, compressed DTS Digital and Dolby Digital (including DTS-HD and Dolby True HD) digital audio and analog audio.

Highlights

- DisplayPort and HDMI ports support UHD resolutions up to 4K @ 60 Hz (4:4:4)
- Push buttons or IR remote allows seamless switching between multiple video sources
- Digital (TOSLINK, coaxial) and analog (R/L) audio outputs work simultaneously
- Upscaler function improves the quality of analog video transmitted to hi-def display

Applications

- Switch between your laptop, media server, cable box, Blu-ray player, video game console, Roku or other audio/video sources in your home theater
- Connect multiple desktop computers and laptops to one monitor to save desk space
- Create multiple digital signage messages to appear at various times on a 4K HDMI display

System Requirements

- Source devices with HDMI, DisplayPort, VGA, Component, Composite or USB output
- Display device with HDMI input

Package Includes

- B310-701-4K 7-Port Multi-Format Presentation Switch
- IR remote control
- IR receiver head cable
- External power supply with 5 ft. cord (Input: 100–240V, 50/60 Hz, 0.4A; Output: 5V 2A)
- (4) International plug adapters (North America, U.K., Europe, Australia)
- Mounting hardware
- Owner's manual

Plug-and-Play Operation for Quick Setup and Immediate Use
The switch works right out of the box with no software required. Mounting hardware is included for installing the switch on a wall, pole or 19-inch rack. Connect your devices to the switch's ports with user-supplied cables (sold separately), and plug the switch's external power supply into an AC power source.

Specifications

OVERVIEW	
UPC Code	037332256300
Device Compatibility	Computer; Laptop; Monitor/HDTV; Video Game System
Technology	Component; Composite; DisplayPort; HDMI; IR; VGA/SVGA
VIDEO	
Max Supported Video Resolution	HDMI: 4096 x 2160 @ 60Hz; DP: 3840 x 2160 @ 60Hz; YPbPr: 1920 x 1080 @ 60Hz; VGA: 1280 x 768 @ 60Hz; AV In: 1280 x 720 @ 60Hz
Max Supported Color Depth	36-bit Deep Color
HDR Support	No
Chroma Sub Sampling	4:4:4
AUDIO	
Audio Specification	Uncompressed - LPCM and Compressed - DTS Digital, DTS-HD and Dolby True HD for HDMI Input
INPUT	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.4A
AC Power Adapter Output Specs (V / A)	5V / 2A
AC Power Adapter Cord Length (ft.)	5
AC Power Adapter Cord Length (m)	1.5
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
POWER	
Power Source Type	AC Adapter
DC Barrel Plug	OD: 5.5 x 2.1 x 9mm, Positive Pin, Negative Sleeve
CONNECTIONS	
Number of Ports	7
Side A - Connector 1	DISPLAYPORT (FEMALE)
Side A - Connector 2	(3) HDMI (FEMALE)
Side A - Connector 3	3.5MM (FEMALE); HD15 (FEMALE)

Side A - Connector 4	COMPONENT (3xRCA) (RGB); COMPOSITE (RCA) (Y)
Side B - Connector 1	TOSLINK (FEMALE)
Side B - Connector 2	STEREO RCA (2xRCA) (RW)
Side B - Connector 3	RCA (FEMALE)
Side B - Connector 4	HDMI (FEMALE)
Input x Output	7 x 1
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	White (Connection to Power)
PHYSICAL	
Color	Black
Material of Construction	Iron
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	13.90 x 8.07 x 2.56
Shipping Dimensions (hwd / cm)	35.31 x 20.50 x 6.50
Shipping Weight (lbs.)	1.54
Shipping Weight (kg)	0.70
Unit Dimensions (hwd / in.)	11.810 x 0.810 x 2.950
Unit Dimensions (hwd / cm)	29.99 x 2.05 x 7.49
Unit Packaging Type	Box
Unit Weight (lbs.)	1.12
Unit Weight (kg)	0.51
ENVIRONMENTAL	
Operating Temperature Range	32° to 113°F (0° to 45°C)
Storage Temperature Range	14° to 176°F (-10° to 80°C)
Operating Humidity Range	10% to 85% RH, Non-Condensing
Storage Humidity Range	5% to 90% RH, Non-Condensing
COMMUNICATIONS	
EDID Compatible	Yes
IR Remote Extension Support	Yes
FEATURES & SPECIFICATIONS	
Port Selection	Pushbutton; Remote Selector
Displayport Specification	1.2
HDCP Specification	1.4; 2.2

Driver Required	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CE; FCC; GS; TUV; UL; cUL
Product Certifications	cUL Listed; UL Listed
Product Compliance	RoHS; CE (Europe); FCC (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

© 2024 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.