

# 4-Port HDMI over Cat6 Splitter/Extender, 4K 60 Hz, HDR, PoC, Multi-Resolution Support, 125 ft., TAA

MODEL NUMBER: **B127P-004-H**



Transmitter/splitter extends a 4K HDMI audio/video signal via Cat6 cable to 4 projectors, monitors or HDTVs up to 125 ft. away.

## Features

**Splitter Ideal for Digital Signage or Displaying Video in Schools or Trade Show Booths** This four-port transmitter/splitter is recommended for video presentations in conference rooms, schools, trade shows, meeting facilities, houses of worship, retail settings and other digital signage applications where the source and display are farther apart than conventional A/V cables allow. The B127P-004-H extends 4K (at 60 Hz) video and stereo audio signals from an HDMI source device to four HDMI displays up to 125 feet (38.1 meters) away via user-supplied Cat6 cabling. It can also extend a 4K HDMI signal (at 30 Hz) up to 150 feet (45.7 meters) and a 1080p HDMI signal (at 60 Hz) up to 200 feet (61 meters) using B127P-100-H receiver.

**Transmits Crystal-Clear 4K HDMI Video with Multi-Channel Audio and 4:4:4 Color** The B127P-004-H supports Ultra HD video resolutions up to 4K x 2K (3840 x 2160) at 60 Hz with full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. This transmitter is capable of carrying HDR signals, which provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks. It supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor. HDCP 2.2 compliance allows you to stream iTunes and Netflix content with no complications.

**Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions** Say you have a brand new 4K (at 60 Hz) HDTV in the living room, but want to also connect your Blu-ray player or satellite box to the older 1080p TV in the bedroom. The B127P-004-H is backward compatible with 4K (at 30 Hz) and 1080p (at 60 Hz) resolutions via automatic switching. This splitter allows each connected television to display video at its maximum resolution. Most other splitters default all displays to the lowest common resolution (meaning you would only get a 1080p image on that new 4K TV).

**Built-In PoC Technology Provides Power to Avoid Bulky External Power Bricks** Built-in Power over Cable (PoC) technology powers the connected B127P-100-H or B127P-100-H-SR receiver over Cat6 cable. Green and orange LEDs will light up to indicate the unit is receiving power and a signal is being received. PoC lets you avoid the hassle of a bulky power brick and gives you the freedom to transfer power to the remote receivers and place them away from an AC outlet.

**Plug-and-Play Operation for Quick Setup and Immediate Use** The included transmitter works right out of the box with no software required. Mounting hardware is included for installing the unit on a wall, pole or 19-inch rack. Connect the transmitter to the source with a user-supplied HDMI cable (such as P568- or

## Highlights

- Works in tandem with B127P-100-H or B127P-100-H-SR remote receivers
- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable
- Supports High Dynamic Range (HDR) for richer contrast and expanded color accuracy
- Supports multi-resolution output to allow for combination of different display types

## Applications

- Connect a media server, Blu-ray player, cable/satellite box, Roku, gaming system or other home theater component to four large-screen 4K televisions or projectors
- Upgrade the video quality of your trade show presentation or digital signage installation in a commercial or educational setting to 4K x 2K
- Set up digital signage with a single video signal being transmitted to 4 monitors, each displaying its maximum resolution
- Mount a security camera in an out-of-the-way spot without the burden of placing it near an AC outlet

## System Requirements

- Source device with HDMI output (Blu-ray player, cable box, laptop)
- B127P-100-H or B127P-100-H-SR remote receivers

## Package Includes

- Transmitter unit
- External power supply with 4.5 ft. cord (Input: 100-240V, 50/60 Hz, 1.5A; Output: 24V 2A)
- (4) International plug adapters (North America, Europe, U.K. and Australia)
- Mounting hardware
- Owner's manual



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P569-Series). Then, connect the transmitter to B127P-100-H or B127P-100-H-SR remote receivers using Cat6 patch cable (such as N202-Series cable).

**Daisy-Chain Multiple Transmitters to Add More Displays**An HDMI output is included for connecting up to three additional B127P-004-H transmitters, each of which splits the original HDMI signal into four. You can also connect an optional display to monitor the image connected to the receivers up to 125 feet away.

**TAA-Compliant for GSA Schedule Purchases**The B127P-004-H is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

## Specifications

| OVERVIEW                              |                                    |
|---------------------------------------|------------------------------------|
| UPC Code                              | 037332239198                       |
| Product Type                          | Splitter; Extender Kit             |
| Technology                            | HDMI; Cat5/5e; Cat6; POC           |
| Host Connector                        | HDMI (FEMALE)                      |
| VIDEO                                 |                                    |
| Video Input                           | HDMI (FEMALE)                      |
| Video Output                          | HDMI (FEMALE)                      |
| Max Supported Video Resolution        | 3840 x 2160 (4K) @ 60Hz            |
| Max. Distance (Between any 2 Units)   | 6 ft. (2m)                         |
| Max Number of Ports (Entire Chain)    | 12                                 |
| Max 1280 x 720 (720p) Range (ft)      | 200                                |
| Max 1920 x 1080 (1080p) Range (ft)    | 200                                |
| Max 1920 x 1200 Range (ft)            | 150                                |
| Max 2560 x 1600 Range (ft)            | 150                                |
| Max 3840 x 2160 (4K@30Hz) Range (ft)  | 150                                |
| Max 3840 x 2160 (4K@60Hz) Range (ft)  | 125                                |
| Transmitter Video Input               | HDMI                               |
| Transmitter - Number of Video Outputs | 4                                  |
| Transmitter - Local Display Output    | HDMI                               |
| Recommended Cabling                   | N202-Series Cat6 Solid Wire Cables |
| Max Supported Color Depth             | 24-bit True Color                  |
| HDR Support                           | Yes                                |
| 3D Video Supported                    | Yes                                |

|  |   |
|--|---|
| Chroma Sub Sampling                          | 4:4:4   |
| Maximum Signal Range (ft)                    | 125   |
| Maximum Signal Range (m)                     | 38  |
| <b>AUDIO</b>                                 |   |
| Audio Input                                  | HDMI  |
| Audio Specification                          | 7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD   |
| <b>INPUT</b>                                 |   |
| 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 / 1.5A   |
| AC Power Adapter Output Specs (V / A)        | 24V / 2A  |
| AC Power Adapter Cord Length (ft.)           | 4.5   |
| AC Power Adapter Cord Length (m)             | 1.37  |
| Bus Powered                                  | No  |
| <b>POWER</b>                                 |   |
| Power Source Type                            | AC Adapter  |
| AC Plug Type                                 | NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112  |
| Power Source                                 | Transmitter end only (Included)   |
| Power Over Cable (PoC) Support               | Yes   |
| <b>CONNECTIONS</b>                           |   |
| Number of Ports                              | 4   |
| Side A - Connector 1                         | HDMI (FEMALE)   |
| Side B - Connector 1                         | (4) RJ45 (FEMALE)   |
| Side B - Connector 2                         | HDMI (FEMALE)   |
| Input x Output                               | 1 x 4   |
| Daisy-chainable / Cascadable                 | Yes   |
| Daisy-chainable / Cascadable Details         | Up to 4 Units   |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |   |
| LED Indicators                               | x6 ORANGE (OUTPUT, LOCAL, INPUT), GREEN (POWER), x4 GREEN (RJ45 CONNECTION) x4 ORANGE (RJ45 DATA) |
| <b>PHYSICAL</b>                              |   |
| Color  | Black   |
| Material of Construction                     | Metal   |



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|  |                                    |
|--|------------------------------------|
| Cable Length (ft.)                           | 0                                  |
| Cable Length (m)                             | 0.00                               |
| Number of Displays                           | 1                                  |
| Form Factor/Mounting Options                 | Box; Wall-mount                    |
| Rackmountable                                | Yes                                |
| Unit Dimensions (hwd / in.)                  | 1.170 x 9.250 x 3.940              |
| Unit Packaging Type                          | Box                                |
| Unit Weight (lbs.)                           | 1.43                               |
| Unit Weight (kg)                             | 0.65                               |
| Housing                                      | Metal                              |
| Mounting Details                             | Wallmount                          |
| <b>ENVIRONMENTAL</b>                         |                                    |
| Operating Temperature Range                  | 32° to 104°F (0° to 40°C)          |
| Storage Temperature Range                    | 5° to 122°F (-15° to 50°C)         |
| Relative Humidity                            | 0% to 85% RH, Non-Condensing       |
| <b>COMMUNICATIONS</b>                        |                                    |
| Signal Range (ft.)                           | 125                                |
| Signal Range (m)                             | 38                                 |
| EDID Compatible                              | Yes                                |
| IR Remote Extension Support                  | No                                 |
| RS-232 Serial Extension Support              | No                                 |
| Consumer Electronics Control (CEC) Supported | Yes                                |
| USB Extension Support                        | No                                 |
| <b>PORT EXPANSION</b>                        |                                    |
| Daisy-chainable or Cascadable                | Daisy chainable                    |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |                                    |
| 10/100 Ethernet Extension Support            | No                                 |
| MST Support                                  | No                                 |
| Multi-Resolution Support                     | Yes                                |
| Built-In Equalizer                           | Yes                                |
| HDCP Specification                           | 2.2                                |
| Driver Required                              | No                                 |
| Recommended Category Cable                   | N202-Series Cat6 Solid Wire Cables |



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| STANDARDS & COMPLIANCE               |   |
|--------------------------------------|---|
| External Power Supply Certifications | CCC; CE; FCC; GS; TUV; UL; cUL                                  |
| Product Compliance                   | RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT                   |   |
| Product Warranty Period (Worldwide)  | 1-year limited warranty   |

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