

# 2 x 8 HDMI Splitter / Repeater Over Single CAT.X

Part # AV-BPHDMICS8



## KEY FEATURES

- HDMI video distribution to up to 7 displays and one CAT.X Receiver or cascade to another BPHDMICS8.
- Acts as a 2x1 HDMI switch plus a 1x8 HDMI over CAT.X splitter.
- Minimises the cable skew by adjustable 8-level equalisation control.
- Regenerates the HDMI signal.
- Supports default HDMI EDID and has the ability to learn the EDID of displays.
- Up to 60m (200ft) at 1080i and 40m (130ft) at 1080p through Cat-5e cables.
- Inputs up to 15m (50ft) using HDMI cables.
- Outputs up to 15m (50ft) using HDMI cables.
- Pure unaltered uncompressed 7.1ch digital HDMI over UTP.
- Allows cascading.
- Perfectly integrated with other HDMI over CAT.X series products.
- 1RU rack mountable.

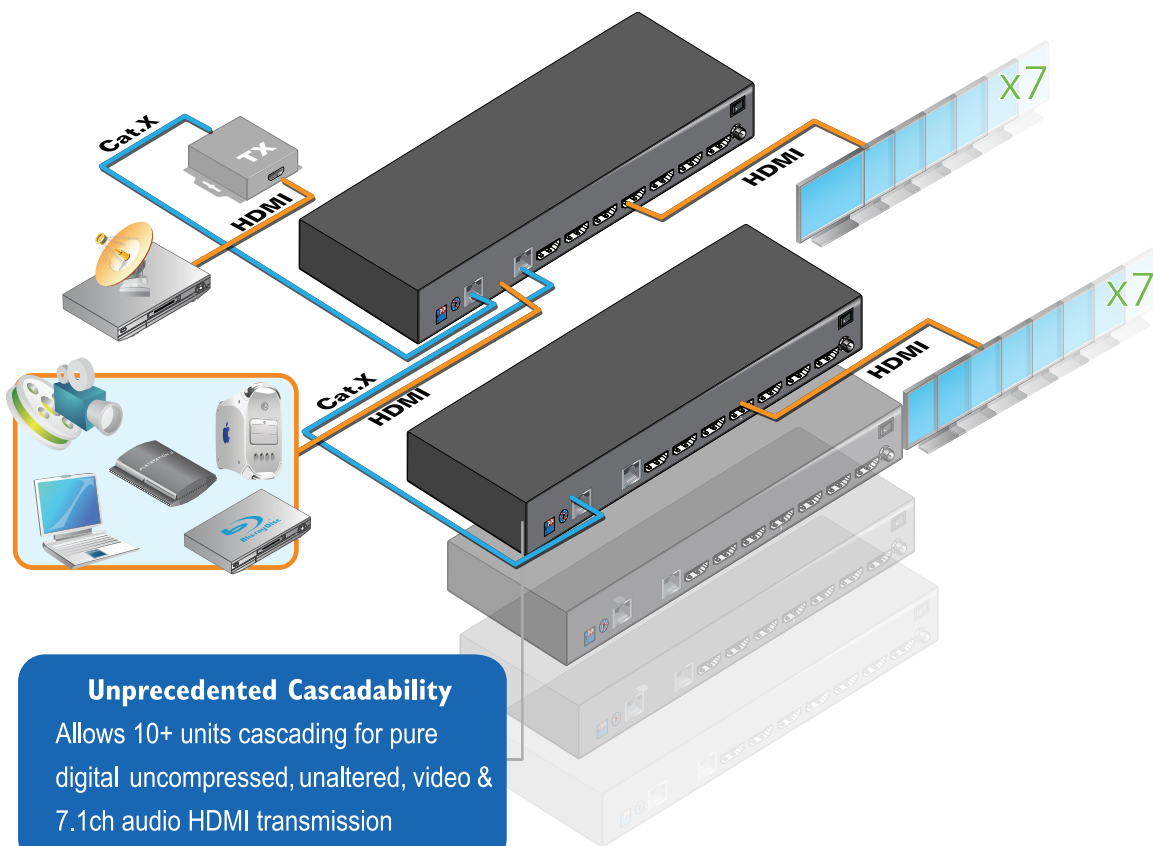
## Kit Contents

- 1 x AV-BPHDMICS8
- 1 x Power Adaptor
- 1 x Rack-mounting ear set
- 1 x Instruction Manual

| Specifications                       | AV-BPHDMICS8   |
|--------------------------------------|--|
| <b>TECHNICAL</b>                     |  |
| Roll of Usage                        | 2 x 8 Distribution Amplifier Transmitter [TX]  |
| HDMI Compliance                      | High Speed HDMI - Deep Colour & 3D Support   |
| HDCP Compliance                      | Yes  |
| Video Bandwidth                      | Single-Link 225MHz [6.75Gbps]  |
| Video Support                        | 480i / 480p / 720p / 1080i / 1080p60 up to 36-bit colour   |
| Transmission over UTP cable (24-bit) | Full HD (1080p) - 40m [CAT.5e] / 50m [Cat6]<br>HD (720p / 1080i) - 50m [CAT.5e] / 60m [Cat6]                   |
| Audio Support                        | Surround Sound (Up to 7.1ch) or stereo digital audio   |
| Equalisation                         | 8-level digital control  |
| Input TMDS signal                    | 1.2 Volts [peak-to-peak]   |
| Input DDC signal                     | 5 Volts [peak-to-peak, TTL]  |
| ESD protection                       | [1] Human Body Model $\pm 19kV$ [air-gap discharge] & $\pm 12kV$ [contact charge] - [2] Core Chipset $\pm 8kV$ |
| PCB stack-up                         | 4-layer board [impedance control - differential 100 $\Omega$ ; single 50 $\Omega$ ]                            |
| Input                                | 1 x HDMI + 1 x RJ45  |
| Output                               | 7 x HDMI + 1 x RJ45  |
| HDMI connector                       | Type A [19-pin female]   |
| RJ45 connector                       | WE/SS 8P8C with 2 LED indicators   |
| DIP Switch                           | 4-pin for EDID learning and audio setting modes  |
| Rotary Control Switch                | 8-pin for EDID learning and audio setting modes  |
| <b>MECHANICAL</b>                    |  |
| Housing                              | Metal Enclosure  |
| Dimensions [L x W x H]               | 438 x 158 x 44mm [1'5" x 6.2" x 1.8"]  |
| Weight                               | 1400g  |
| Fixedness                            | 1U rack-mounting with ears   |
| Power Supply                         | 5V 4A DC   |
| Power Consumption                    | 13 Watts [max]   |
| Operation Temperature                | 0-40°C   |
| Storage Temperature                  | -20-60°C   |
| Relative Humidity                    | 20-90% RH [no condensation]  |

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### Unprecedented Cascadability

Allows 10+ units cascading for pure digital uncompressed, unaltered, video & 7.1ch audio HDMI transmission

 Cat.X Cable  
 HDMI Cable