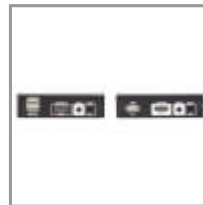


## HDMI HDBaseT KVM Console Extender over Cat6 - 2 USB Ports, IR, 4K 30 Hz (130 ft.), 1080p (230 ft.)

MODEL NUMBER: **B013-HU-4K**



Controls a media player from up to 130 ft. away and extends 4K HDMI video, USB and IR signals that same distance (230 ft. for 1080p).

### Features

#### KVM Console Extender for Digital Signage or Extending Video in Offices or Command Centers

This extender kit includes a transmitter (local unit) and a receiver (remote unit) that work in tandem to extend and distribute HDMI audio/video, USB and IR (infrared) remote signals. Using Cat6 cabling (sold separately), the B013-HU-4K transmits 1080p video from a computer, Blu-ray player or other media center to an HDMI display or interactive whiteboard located up to 230 feet (70 meters) away. By connecting a keyboard and mouse to the receiver's dual USB ports, you can also control the source device from that same distance.

#### Recommended for Digital Signage or Extending Video Across Offices or Command Centers

Especially useful in control or security applications, the B013-HU-4K is ideal for command centers, data control centers, banks, governments, enterprise applications and especially any harsh environments, such as factories and warehouses. By extending audio/video signals, you can safely store your source computer in a cabinet or other enclosure, keeping it free of dust and blocking noise created by its fans, while watching the display in a different room or even a warehouse or factory floor.

#### Transmits Both 1080p and Uncompressed 4K Video and LPCM Audio with Zero Latency

This HDBaseT kit extends 1080p video resolutions up to 230 feet, as well as 4K video (3840 x 2160 at 30 Hz) up to 130 feet (40 meters) with 24-bit Deep Color (8 bits per channel). It also supports uncompressed LPCM, compressed DTS-HD and compressed Dolby TrueHD audio with no signal loss or added latency.

#### IR Pass-Through Technology Lets You Control the Video from the Next Room

Full bi-directional IR extension lets you control the source device with its remote (play, pause, fast forward, etc.), while you're standing near the receiver in another room. Video and audio will play without stalling or delayed data transmission. Make sure the transmitter's IR bulb is within sight of the source and the receiver's IR bulb is in range of the source's remote.

#### Plug-and-Play Operation for Quick Setup and Immediate Use

The included transmitter and receiver units work right out of the box with no software required. Because they connect using existing network infrastructure, you avoid the hassle and expense of running new Cat5e/6 cables. LED indicators alert you of power and connection status of both units at a glance.

### Highlights

- Uses existing Cat5e/6 network infrastructure, saving you the expense of new cables
- Delivers 4K picture quality at Ultra HD resolutions up to 3840 x 2160 @ 30 Hz
- Supports DTS-HD, Dolby TrueHD and uncompressed LPCM digital audio with no latency
- IR pass-through feature allows you to control the source while standing in another room
- Plug-and-play operation with no software required for easy, immediate installation

### Applications

- Keep your video sources in a secure or quiet location, with a display located elsewhere for viewing by the intended audience
- Extend 4K video over existing Cat6 cabling to cut costs on infrastructure
- Create an easily updatable video board communicating dynamic information, such as a restaurant menu or a theater schedule
- Display arrivals, departures and up-to-the-minute information in an airport or train station
- Connect an interactive whiteboard to use for visual aids in your lecture or presentation

### System Requirements

- Source devices with HDMI output (media server, Blu-ray player, PC)
- Display device with HDMI input (HDTV, projector, whiteboard)
- USB keyboard and mouse

### Package Includes

- Transmitter unit
- Receiver unit
- IR-Out cable
- IR-In cable
- USB 2.0 A/A cable (M/M), 4 ft.
- (2) International power supplies



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with 4 ft. cord (Input: 100-240V,  
50/60 Hz, 0.3A; Output: 12V 1A)

- (8) International plug adapters  
(North America, Europe, U.K.,  
Australia)
- Owner's manual

## Specifications

| OVERVIEW                                |  |
|---|--|
| UPC Code                                | 037332241160   |
| Product Type                            | Extender Kit   |
| Technology                              | HDBaseT; HDMI; IR  |
| VIDEO                                   |  |
| Video Input                             | HDMI (FEMALE)  |
| Video Output                            | HDMI (FEMALE)  |
| Max Supported Video Resolution          | 3840 x 2160 (4K @ 30Hz)  |
| Max 1280 x 720 (720p) Range (ft)        | 230  |
| Max 1920 x 1080 (1080p) Range (ft)      | 230  |
| Max 1920 x 1200 Range (ft)              | 131  |
| Max 2560 x 1600 Range (ft)              | 131  |
| Max 3840 x 2160 (4K@30Hz)<br>Range (ft) | 131  |
| Transmitter Video Input                 | HDMI   |
| Receiver/Transceiver Video Output       | HDMI   |
| Receiver - Number of Video Outputs      | 1  |
| Recommended Cabling                     | N202-Series Cat6 Patch Cable   |
| Max Supported Color Depth               | 36-bit True Color  |
| HDR Support                             | No   |
| 3D Video Supported                      | Yes  |
| Chroma Sub Sampling                     | 4:4:4  |
| Maximum Signal Range (ft)               | 230  |
| Maximum Signal Range (m)                | 70   |
| Maximum Signal Range Details            | 230 ft via Cat6 @ 1080P131 ft via Cat6 @ 4K 30Hz197 ft via Cat5e @ 1080p115 ft via Cat5e @ 4K 30Hz |
| AUDIO                                   |  |



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|  |  |
|--|--|
| Audio Input                                    | HDMI   |
| Audio Output                                   | HDMI   |
| Audio Specification                            | Uncompressed LPCM audio and compressed DTS-HD, dolby true HD                 |
| <b>INPUT</b>                                   |  |
| Voltage Compatibility (VAC)                    | 100; 110; 120; 125; 127; 200; 208; 220; 230; 240                             |
| Bus Powered                                    | No   |
| <b>POWER</b>                                   |  |
| Power Source Type                              | AC Adapter   |
| AC Plug Type                                   | AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P                             |
| Power Source                                   | Transmitter and Receiver (Included)  |
| Power Over Cable (PoC) Support                 | No   |
| External Power Supply Input Specs (V / Hz / A) | 100-240V / 50-60Hz / 0.3A  |
| External Power Supply Output Specs (V / A)     | 12V/1A   |
| External Power Supply Cord Length (ft.)        | 3.9  |
| External Power Supply Cord Length (m.)         | 1.2  |
| DC Barrel Plug                                 | OD: 5.5 x 2.1 x 10mm, Positive Pin, Negative Sleeve                          |
| External Power Supply Plug(s)                  | AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>   |  |
| LED Indicators                                 | Power LED (Red), Connection, HDMI Output, Mouse, Keyboard LED (Green)        |
| <b>PHYSICAL</b>                                |  |
| Material of Construction                       | Aluminium, Steel   |
| Color  | Black  |
| Included Mounting Accessories                  | No   |
| Number of Displays                             | 1  |
| Form Factor/Mounting Options                   | Box  |
| Rackmountable                                  | No   |
| Receiver Unit Dimensions (hwd / in.)           | 3.72 x 3.86 x 1.01   |
| Receiver Unit Weight (lbs.)                    | 0.49   |
| Transmitter Unit Dimensions (hwd / in.)        | 3.72 x 3.86 x 1.01   |
| Transmitter Unit Weight (lbs.)                 | 0.51   |



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|  |   |
|--|---|
| Unit Packaging Type                          | Box   |
| Housing                                      | Metal   |
| <b>ENVIRONMENTAL</b>                         |   |
| Operating Temperature Range                  | 32 to 122°F (0 to 50°C)                       |
| Storage Temperature Range                    | 14 to 158°F (-10 to 70°C)                     |
| Relative Humidity                            | 0% to 90% RH, Non-Condensing                  |
| ESD Protection                               | Level 3 (Contact/Air); Standard IEC 61000-4-2 |
| <b>COMMUNICATIONS</b>                        |   |
| Signal Range (ft.)                           | 230   |
| Signal Range (m)                             | 70  |
| EDID Compatible                              | Yes   |
| IR Remote Extension Support                  | Yes   |
| RS-232 Serial Extension Support              | No  |
| Consumer Electronics Control (CEC) Supported | Yes   |
| Latency                                      | ~0  |
| USB Extension Support                        | Yes   |
| <b>CONNECTIONS</b>                           |   |
| Side A - Connector 1                         | RJ45 (FEMALE)                                 |
| Side A - Connector 2                         | HDMI (FEMALE)                                 |
| Side A - Connector 3                         | (2) USB A (FEMALE)                            |
| Side B - Connector 1                         | RJ45 (FEMALE)                                 |
| Side B - Connector 2                         | HDMI (FEMALE)                                 |
| Side B - Connector 3                         | (2) USB A (FEMALE)                            |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |   |
| HDCP Specification                           | 1.4   |
| USB Specification                            | USB 2.0 (up to 480 Mbps)                      |
| Driver Required                              | No  |
| Recommended Category Cable                   | Cat5/6 cables                                 |
| 10/100 Ethernet Extension Support            | No  |
| Built-In Equalizer                           | No  |
| <b>STANDARDS &amp; COMPLIANCE</b>            |   |
| External Power Supply Certifications         | CE; UL; cUL                                   |



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|                                     |  |
|-------------------------------------|--|
| Product Compliance                  | RoHS; CE (Europe); EAC (Belarus, Kazakhstan, Russia); REACH; WEEE; FCC (USA) |
| <b>WARRANTY</b>                     |  |
| Product Warranty Period (Worldwide) | 3-year limited warranty  |

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