



## BG-AIR4KAST-PRO

4K60 UHD WIRELESS HDMI SENDER/RECEIVER  
EXTENDER KIT WITH ULTRA-LOW LATENCY

The BG-Air4Kast-Pro is a professional 60GHz wireless HDMI KVM extender supporting 4K@60Hz HDR transmission with visually lossless compression and ultra-low latency ( $\leq 16\text{ms}$ ). Designed for applications requiring uncompromised image quality and responsive control, it enables seamless wireless extension of HDMI video, audio, keyboard, mouse, and touchscreen signals up to 66ft (20m). With strong anti-interference capabilities, HDMI loop-out, and KVM passback, the BG-Air4Kast-Pro is an ideal solution for gaming, live events, conference rooms, home theaters, and medical or educational environments.

The BG-Air4Kast-Pro leverages ipcolor IMAGE technology to deliver high-definition video with minimal compression and near-zero latency. Supporting resolutions up to 4096×2160@60Hz (4:4:4), HDR10, and Dolby Vision, it ensures a stunning visual experience with vibrant colors and precise detail. Operating on the 60GHz frequency band, it minimizes interference from standard Wi-Fi and Bluetooth devices, guaranteeing stable and secure wireless performance. The transmitter supports HDMI loop-out for local monitoring, while the receiver enables real-time KVM control for remote PCs and servers via keyboard, mouse, or touchscreen devices.



## FEATURES



### 4K@60HZ HDR TRANSMISSION

Crystal-clear UHD visuals with support for HDR10 and Dolby Vision



### ULTRA-LOW LATENCY

Wireless performance with  $\leq 16\text{ms}$  latency, ideal for gaming and live streaming



### IPCOLOR IMAGE TECHNOLOGY

Visually lossless compression with vibrant, accurate colors



### 60GHZ SPECTRUM

Stable connection with strong resistance to wireless interference



### HDMI LOOP-OUT

Local monitoring at the transmitter side for flexible setups



### KVM PASSBACK

Remote control of PCs and servers with keyboard, mouse, or touchscreen



## TECH SPECIFICATIONS

### Transmitter(TX)

### Receiver(RX)

#### Video

Input Interface	1x HDMI	N/A
Output Interface	1x HDMI	1x HDMI
HDMI Length	≤ 5m	≤ 5m
Maximum Transfer Rate	18Gbps	18Gbps
Compatibility	HDMI 2.0 (Deep color, 4K, YUV 4:4:4), HDR 10, Dolby VisionHDCP, 1.4/HDCP 2.2	
Resolutions	4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz, 1080p@24/25/50/60Hz, 720p@50/60Hz, 1024x768, 1280x768, 1280x800, 1280x960, 1280x1024, 1440x900, 1400x1050, 1600x900, 1680x1050, 1920x1080, 1920x1200	
Connection Types	One-to-one connection	
Transmission Distance	≤ 20m	
Transmission Latency	≤16ms	

#### Audio

Input Interface	1x HDMI	N/A
Output Interface	1x HDMI	1x HDMI
HDMI Out	LPCM 7.1CH/DTS/Dolby 5.1/Dolby Digital Plus 7.1/Dolby TrueHD 7.1 (ATMOS)	
Audio Sampling Rate	44.1kHz, 48kHz 176kHz 192kHz	
Audio bit Depth	16bit, 24bit	

#### Command Signal

USB version	USB 1.1, compatible with USB 1.0	
CEC	Supported	

#### Power

Power Supply	DC 12V/2A	DC 12V/2A
Power Consumption	< 10W	< 10W

#### Operating Environment

Working temperature	-4~140°F / -20~60°C	-4~140°F / -20~60°C
Storage temperature	-22~158°F / -30~70°C	-22~158°F / -30~70°C
Humidity (no condensation)	0~90% RH (no condensation)	0~90% RH (no condensation)

#### Physical Properties

Housing	Iron	
Weight	2lbs [889g]	2lbs [889g]
Color	Black	
Dimensions (LxWxH)	7.9in x 4.5in x 1.6in [200mm x 115mm x 40mm]	
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2 Lightning protection, Surge protection	

## Limited Product Warranty Terms

**Pro Line:** 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

**Essential Line:** 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

**Cables:** Lifetime Limited Product Warranty.

For complete warranty information, please visit [bzbgear.com/warranty](https://bzbgear.com/warranty).

For questions, please call 1.888.499.9906 or email [support@bzbgear.com](mailto:support@bzbgear.com).

Pro Line Products  
**5-YEAR WARRANTY**  
Essential Line Products  
**3-YEAR WARRANTY**  
Cables Products  
**LIFETIME WARRANTY**

