



## BG-AIR4KAST

4K60 UHD HDMI 2.0 WIRELESS EXTENDER KIT UP TO 164FT

The BG-Air4Kast is an advanced 4K@60Hz HDMI wireless extender solution consisting of a transmitter and a receiver. It leverages ipcolor STREAM technology for high-definition and low-latency video transmission. Operating on the 5G wireless frequency band, it delivers stability, anti-interference capabilities, and safety. The extender supports wireless transmission up to 50 meters, offering a solution for wirelessly transmitting video in applications such as video conferences, home entertainment, and multimedia education.

Key features include support for resolutions up to 3840x2160@60Hz, HDMI loop out on the transmitter, IR passback, compatibility with 5G wireless frequency bands, and interference mitigation through SSID pairing and channel switching. The extender can also be easily upgraded via a Micro USB port. It's important to note that transmission distances may vary and interference from solid structures and wireless signals may affect performance.



### FEATURES



#### IPCOLOR STREAM TECHNOLOGY

Maintains HD video quality for clear visuals



#### 4K@60HZ SUPPORT

Handles the latest content, backward compatible



#### WIRELESS TRANSMISSION 164FT (50M)

Flexible setup in any environment



#### HDMI LOOP OUT

Transmits to local and remote displays



#### SUPPORT 5G

Resists wireless interference



#### MICRO USB PORT

Future-proof firmware upgrades



## TECH SPECIFICATIONS

### HDMI Performance and Interface

HDMI version	HDMI 2.0
HDCP version	HDCP 1.4 / HDCP 2.2
Maximum transfer rate	18Gbps
Resolution supported	3840x2160@24/30/50/60Hz, 1080P@50/60Hz, 720P@50/60Hz, 1920x1200, 2560x1440, 2560x1600
Input and output TMDS signal	0.7~1.2Vp-p (TMDS)
Input and output DDC signal	5Vp-p (TTL)

### Transmission

Wi-Fi Frequency bands	5.18~5.24 GHz
Transmission distance	≤ 50m
Latency	130~180ms
Connection types	One-to-one
SSID pairing	Supported

### Protection Level

ESD protection	1a Contact discharge level 3 1b Air discharge level 3 Standard: IEC61000-4-2
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### Operating Environment

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

### IR Performance

Infrared frequency	20~60kHz
Receiving range	≤ 5m

### Power Supply

Voltage/Current	DC 5V/2A
Power consumption	TX ≤ 6W, RX ≤ 4W

### Physical Properties

Dimension (W x L x H)	TX: 4.5 x 4.9 x 0.81in [115 x 125 x 20.6mm] RX: 4.5 x 4.9 x 0.81in [115 x 125 x 20.6mm]
Color	Black
Material	Iron
Net weight	TX: 0.78lbs [353g]; RX: 0.76lbs [346g]



## Industry-Leading Warranty & Support

BZBGEAR Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years. We pride ourselves in our Customer Service and seven-days-a-week Tech Support.

