



BG-COMMANDER-ULTRA

4K UHD IP 4-CHANNEL PRODUCTION SWITCHER/
JOYSTICK CONTROLLER COMBO

The BG-COMMANDER-ULTRA is a state-of-the-art 4K HDMI production studio device that integrates a 4K HDMI switcher interface and a PTZ joystick controller. Designed to meet the needs of high-performance video production environments, it offers a comprehensive range of features and robust connectivity options. This versatile unit excels in handling complex video and audio tasks, including camera control, video mixing, and advanced signal management.

The BG-COMMANDER-ULTRA is the ideal solution for high-end video production studios seeking a reliable and feature-rich device to handle complex video and camera control tasks. Its advanced functionality, robust build, and extensive connectivity options make it a valuable addition to any professional AV setup.



FEATURES



4K HDMI PRODUCTION

Supports up to 4K2K@60Hz resolution with both HDR and SDR capabilities, ensuring superior video quality and color depth for professional production applications



ADVANCED AUDIO SUPPORT

Provides LPCM audio support and analog stereo output via XLR connectors for high-quality sound management



ADVANCED SWITCHER SOFTWARE

Unlock a powerful suite of video and audio mixing and switching tools with our intuitive, free software interface. Accessible via RS-232 and IP



INTEGRATED CAPTURE CARD

Stream high-quality content directly from the integrated capture through the USB-C output port



INTEGRATED MICRO SDXC

Capture and store your Program output feed directly with the built-in Micro SDXC card slot for hassle-free recording



VERSATILE OPERATING MODES

Effortlessly toggle between PTZ Camera Controller and 4-Channel Switcher modes via the on-screen display (OSD) menu



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 1.4/2.2
HDR Support	Supports HDR for both inputs and outputs, HDR to SDR conversion
Video Bandwidth	Single-link 600MHz (18Gbps)
Video Format Support	HDMI 2.0
Video Support	Up to HDR 4K2K@60 (4:2:0 10 bits) / 4K2K@60 (4:4:4 8 bits)
Audio Support	LPCM
Control Options	Ethernet / RS-232 / RS-422
Camera Control	Remote control of multiple camera settings: pan, tilt, zoom, focus, iris, white balance Protocols: VISCA, VISCA over IP, Pelco-D, Pelco-P
Embedded Video Mixer	Yes
Input TMDS Signal	1.2 Volts (peak to peak)
ESD Protection	Human-body Model: ±15kV (Air-gap discharge), ±8kV (Contact discharge)

Connection

Input	5x HDMI 2x XLR 2x RJ-45 (LAN) 1x USB (Type A) 1x RS-232 1x Terminal Block (RS-422)
Output	4x HDMI 1x 3.5mm 1x USB-C
Control	HDMI Connector: Type A (19-pin female) USB Connector: USB Type A, USB Type C RJ-45 Connector: WE/SS 8P8C

Mechanical

Housing	Metal Enclosure
Fixedness	Wall-mounting case
Power Supply	12V DC
Operating Temperature	32° - 104°F / 0° - 40°C
Storage Temperature	-4° - 140°F / -20° - 60°C
Relative Humidity	20 - 90% RH (no condensation)

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.

