



## BG-COMMANDER-ULTRAX

### JOYSTICK CONTROLLER

ALL-IN-ONE 4K IP PRODUCTION SWITCHER AND PTZ JOYSTICK CONTROLLER (4-CHANNEL/ TOUCHSCREEN/POE/IP/RS-232)

The BG-Commander-UltraX is a professional portable 4-channel HDMI production switcher and joystick controller designed for multi-camera productions. Supporting up to 4K signal input with 1080p@60Hz output, it integrates advanced features such as picture-in-picture, chroma key, logo overlay, and multiple transition effects. With dual HDMI outputs, USB-C virtual camera capability, direct recording to USB/SD, PTZ camera control, and tally light support, this device delivers a complete live production solution for live streaming, online courses, corporate press conferences, events, or church services.

With four HDMI inputs supporting 4K@30Hz and flexible output options (HDMI, USB-C, and direct recording), the UltraX ensures uncompromised video quality. The Type-C virtual camera output makes it plug-and-play with popular live streaming and conferencing platforms, removing the need for external capture cards.



## FEATURES



### 4-IN-2-OUT SWITCHING

Four 4K HDMI inputs with two HDMI outputs for program and monitoring



### TYPE-C VIRTUAL CAMERA

Direct USB-C output for seamless use with live streaming and video conferencing software



### PROFESSIONAL EFFECTS

Built-in chroma key, picture-in-picture, logo overlay, and multiple transitions



### DUAL RECORDING SUPPORT

Record directly to USB drives or SD cards without a PC



### PTZ & TALLY INTEGRATION

Control PTZ cameras and synchronize live/on-air status



### 7-INCH LCD DISPLAY

High-resolution screen for monitoring, menu navigation, and settings control



## TECH SPECIFICATIONS

Operating System	Linux
LCD Display Size	7 inch LCD screen
Display Resolution	1024x600
Decodeing ability	Input: 4K@30Hz (3840x2160) / 1080p@60Hz (1920x1080) Output:1080p@60Hz (1920x1080), compatible with 1080p@30Hz / 720p@60Hz / 480p / 576p
Control Protocol	ONVIF 2.8, VISCA Over IP
Interface	4x Video input (HDMI IN) 2x Video output (HDMI OUT (PGM/MON)) 1x Video Output (USB-C (Webcam)) 3x Audio Input (AUDIO IN) 1x Headphone Jack (3.5mm) 2x Control Ports (Tally & LAN) 2x Data Storage (USB-A 2.0 & SD Card) 1x Power Port (DC12VIN)
System setting	Supports video settings, audio settings, recording settings, device control, system maintenance
Operating Components	4D control joystick, step-less knob, sliding T-bar
Power Supply	Standard 5.5/2.1 power connector, DC 12V 2A ±10%
Power Consumption	< 15W
Working Temperature	-10°C - 50°C
Working Humidity	20%~80% Non-condensing
Storage Temperature	-40°C - 60°C
Storage Humidity	0%~90% Non-condensing



## 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**

