BZB**2**GEAR®

BG-4KPTZ-12XUHP
12x PTZ 4K HDMI/USB 3.0 Live Streaming Camera Series With Sony CMOS (Available in silver)

Boasting a stunning 4K image, the multi-function BG-4KPTZ-12XUHP delivers incredible images, even at the full 12x optical zoom. Equipped with multiple outputs, this camera can simultaneously output USB 3.0, HDMI, and IP streaming to maximize video and streaming options.

Featuring a Sony CMOS sensor with the latest auto focusing algorithms, this camera makes it easier than ever to get precise and stable focused shots every time.

Pristine Detail, Accurate Color, Quiet Operation

- Optical zoom lens: 12x (25 ft)
- 4K@60Hz Ultra High Definition provides fluid motion, clear image, and accurate colors
- Auto focusing algorithms resulting in quick, accurate, and stable focus
- Quiet, high-quality step motor: 1/2.5" Sony CMOS sensor

Digital and Analog Control at Your Fingertips

- Web interface control via the IP address; camera preview access
- IR remote control
- Supports IP and serial control protocols (Visca IP, ONVIF / Pelco-P/D, Visca)
- Free BG-PTZ-Control app/program for Apple devices and PCs

Unrivaled Diversity of Connections and Streaming Formats

- Supports RTSP, RTMP, RTMPS, ONVIF, and GB/T28181
- HDMI, USB 3.0, LAN / Power over Ethernet
- H.264/H.265 video compression formats provide excellent image quality
- 3.5 mm input for embedding audio into your live stream

Compatible Live Streaming Software & Online Platforms

- vMix, Wirecast, Echo360, Zoom, Skype, Meet, GoToMeeting, & more
- YouTube, Facebook, Linkedin, Instagram, Twitter, Twitch, & more

FREE Software Control Program
BG-PTZ-CONTROL

Optical Zoom	12X
Focus	f=3.85 mm ~ 43.06 mm ±5%
FOV	Horizontal: 7.59° (tele) ~ 80.4° (wide)
	vertical: 4.6° (tele) ~ 50.0° (wide)
Aperture	F1.8 ~ F3.56±5%
Image Sensor	1/2.5 Inch SONY CMOS Sensor
Effective pixels	8.51M; 16:9
Video Format	**HDMI Video Output Format:**
	4KP60, 4KP50, 4KP30, 4KP25, 1080P60, 1080P50, 1080i 60, 1080i 50,
	1080P30, 1080P25, 720P60, 720P50
	USB3.0 Video Output Format:
	YUY2/NV12:
	1920x1080P30, 1280x720P30,1024x576P30,
	960x540P30, 800x448P30, 640x360P30, 640x480P30, 320x176P30
	MJPEG/H.264:
	3840x2160P30,1920x1080P30,1280x720P30,1024x576P30,
	960x540P30, 800x448P30, 640x360P30, 640x480P30, 320x176P30
	USB3.0 downward compatible USB2.0:
	YUY2/NV12: 640x360P30, 640x480P30, 320x176P30
	MJPEG/H.264: 3840x2160P30, 1920x1080P30, 1280x720P30, 1024x576P30,
	960x540P30, 800x448P30, 640x360P30, 640x480P30, 320x176P30
Minimum Illumination	0.05Lux (F1.8, AGC ON)
DNR	2D&3D DNR
White Balance	Auto / Manual / One Push / Specified Color Temperature
Focus	Auto / Manual / One Push
Exposure mode	Auto / Manual / Shutter Priority / Aperture Priority / Brightness priority
Aperture	F1.8 ~ F11, CLOSE
Shutter speed	1/25~1/10000
BLC	OFF/ON
Dynamic range	OFF/ Dynamic Level Adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	≥50dB

Interface Features	
Interfaces	HDMI, LAN (POE), USB3.0 (Type B, compatible with USB2.0), A-IN, RS232-in & out;
	RS422 (Compatible with RS485), Dial switch, DC12V, Power Switch
Video Compression	LAN: H.264,H.265
	USB 3.0: MJPG, H264, YUY2, NV12
Audio-in Interface	Double track 3.5mm linear Input
Audio out	HDMI, LAN, USB3.0
Audio Compression	AAC, MP3, G.711A
LAN	10M/100M/1000M adaptive Ethernet port, support POE and audio/video output
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA Control Protocols, Remote Upgrade, reboot and reset
Control Interface	RS232-IN, RS232-OUT, RS422 (RS485)
Serial Protocol	VISCA/ Pelco-D / Pelco-P; Baud rare: 115200/38400/9600/4800/2400
USB Communication Protocol	UVC (video), UAC (audio)
Power Interface	HEC3800 (DC12V)
Power Adapter	In: AC110V~AC220V; Out: DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	<1A
Power Consumption	<12W
PTZ Parameters	
Pan Rotation	-170°~+170°
Tilt Rotation	-30°~+90°
Pan Control Speed	0.1°/s~120°/s
Tilt Control Speed	0.1°/s~80°/s
Preset Speed	Pan: 120°/s, Tilt: 80°/s
Preset Number	255 Presets (10 presets by remote control)
Other Parameters	
Storage Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension	157.5(L)mmx189mm(W)x201mm(H)
Weight	2.60kg
Usage	Indoor

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.

Pro AV **3** Year Warranty | **Cameras** **5** Year Warranty | **Lifetime** Product Support

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