BZB2GEAR®

BG-4KND-12XUHP
12x 4K NDI HDMI/USB 3.0 Live Streaming PTZ Camera with Sony CMOS
(Available in silver)

With its stunning 4K image delivered courtesy of the Sony CMOS sensor, the BG-4KND-12XUHP has few rivals in the marketplace. With the inclusion of NDI®|HX, there's no better 4K PTZ camera for the money. NDI technology brings a host of useful features such as auto-discovery and compatibility with a wide range of equipment and accessories.

This camera delivers amazing detail even at full zoom. It was designed with simultaneous USB 3.0, HDMI, and NDI|HX streaming outputs for maximum flexibility ideal for an array of applications.

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, PCs, NDI Universal Tools

Unrivaled Diversity of Connections and Streaming Formats

- Supports RTSP, RTMP, RTMPS, ONVIF, and GB/T28181
- HDMI, USB 3.0, NDI-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

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

Video Format	(see above)

Optical Zoom	12X		**Network Protocol**	RTSP, RTMP, ONVIF, GB/T28181, VISCA Control Protocols, Remote Upgrade, reboot and reset
Focus	f=3.85 mm ~ 43.06 mm ±5%		**Control Interface**	RS232-IN, RS232-OUT, RS422 (RS485)
FOV	Horizontal：7.59° (tele) ~ 80.4° (wide) Vertical：4.6° (tele) ~ 50.0° (wide)		**Serial Protocol**	VISCA/ Pelco-D / Pelco-P; Baud rare: 115200/38400/9600/4800/2400
Aperture	F1.8 ~ F3.56±5%		**USB Communication Protocol**	UVC (video), UAC (audio)
Image Sensor	1/2.5 Inch SONY CMOS Sensor		**Power Interface**	HEC3800 (DC12V)
Effective pixels	8.51M; 16:9		**Power Adapter**	In: AC110V-AC220V; Out: DC12V/2.5A
Minimum Illumination	0.05Lux (F1.8, AGC ON)		**Input Voltage**	DC12V±10%
DNR	2D&3D DNR		**Input Current**	<1A
White Balance	Auto / Manual / One Push / Specified Color Temp		**Power Consumption**	<12W
Focus	Auto / Manual / One Push		**PTZ Parameters**	
Exposure mode	Auto / Manual / Shutter Priority / Aperture Priority / Brightness priority		**Pan Rotation**	-170°~+170°
Aperture	F1.8 ~ F11, CLOSE		**Tilt Rotation**	-30°~+90°
Shutter speed	1/25 ~ 1/10000		**Pan Control Speed**	0.1°/s~120°/s
BLC	OFF/ON		**Tilt Control Speed**	0.1°/s~80°/s
Dynamic range	OFF/ Dynamic Level Adjustment		**Preset Speed**	Pan: 120°/s, Tilt: 80°/s
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve		**Preset Number**	255 Presets (10 presets by remote control)
SNR	≥50dB		**Other Parameters**	
Interface Features			**Storage Temperature**	-10°C~+60°C
Interfaces	HDMI, NDI, USB3.0 (Type B, compatible with USB2.0), A-IN, RS232-in & out; RS422 (Compatible with RS485) Dial switch, DC12V, Power Switch		**Storage Humidity**	20%~95%
Video Compression	LAN: H.264,H.265 USB 3.0: MJPG,H264,YUY2,NV12		**Working Temperature**	-10°C~+50°C
Audio-in Interface	Double track 3.5mm linear Input		**Working Humidity**	20%~80%
Audio out	HDMI, NDI, USB3.0		**Dimension**	157.5mm(L) x 189mm(W) x 201mm(H)
Audio Compression	AAC, MP3, G.711A		**Weight**	2.60kg
			Usage	Indoor