

BZBGEAR BG-4KND-12XUHP 12X PTZ 4K NDI HDMI/USB 3.0 Live Streaming Camera Series with Sony CMOS

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	<p>HDMI Video Output Format: 4KP60, 4KP50, 4KP30, 4KP25, 1080P60, 1080P50, 1080i 60, 1080i 50, 1080P30, 1080P25, 720P60, 720P50</p> <p>USB3.0 Video Output Format: YUY2/NV12: 1920x1080P30, 1280x720P30, 1024x576P30, 960x540P30, 800x448P30, 640x360P30, 640x480P30, 320x176P30</p> <p>MJPEG/H.264: 3840x2160P30, 1920x1080P30, 1280x720P30, 1024x576P30, 960x540P30, 800x448P30, 640x360P30, 640x480P30, 320x176P30</p> <p>USB3.0 downward compatible USB2.0: YUY2/NV12: 640x360P30, 640x480P30, 320x176P30 MJPEG/H.264: 3840x2160P30, 1920x1080P30, 1280x720P30, 1024x576P30, 960x540P30, 800x448P30, 640x360P30, 640x480P30, 320x176P30</p>
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, NDI, 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, NDI, USB3.0
Audio Compression	AAC, MP3, G.711A
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 rate: 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	157.5mm(L) x 189mm(W) x 201mm(H)
Weight	2.60kg
Working Environment	Indoor Only