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
**Specifications**

**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, 800x480P30, 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

**Optical Zoom**
- 12X

**Focus**
- f=3.85 mm ~ 43.06 mm ±5%

**FOV**
- Horizontal: 7.59° (tele) ~ 80.4° (wide)
- Vertical: 4.6° (tele) ~ 500° (wide)

**Aperture**
- F1.8 ~ F3.56±5%

**Image Sensor**
- 1/2.5 Inch SONY CMOS Sensor

**Effective pixels**
- 8.5IM; 16:9

**Minimum Illumination**
- 0.05 Lux (F1.8, AGC ON)

**DNR**
- 2D&3D DNR

**White Balance**
- Auto / Manual / One Push / Specified Color Temp

**Focus**
- Auto / Manual / One Push

**Exposure mode**
- Auto / Manual / Shutter Priority / Aperture Priority / Brightness priority

**Aperture**
- F1.8 ~ F1. 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**
- 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,H.264,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: -90°~+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
- 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.