

## **BG-LVPTZ**

**12x/20x/30x PTZ Zoom Full HD HDMI/SDI  
Live Streaming Camera with PoE  
(Available in gray & white)**

Designed for flexibility, reliability, and performance, the BG-LVPTZ series features powerful lenses in 12x, 20x, or 30x optical zoom. A robust selection of connections ensures compatibility with a wide range of equipment. Video with maximum resolution of 1080p60Hz is available simultaneously on HDMI, 3G-SDI, and IP streaming over LAN connection.

### **Pristine Detail, Accurate Color, Quiet Operation**

- Optical zoom lens: 12x (25 ft), 20x (50 ft), 30x (75 ft)
- 1080p 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: 1/2.8" 2.07MP low-noise CMOS

### **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

### **Unrivalled Diversity of Connections and Streaming Formats**

- Supports RTSP, RTMP, RTMPS, ONVIF, and GB/T28181
- 3G-SDI, 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**

# Specifications

SKU	BG-LVPTZ-12XHSP	BG-LVPTZ-20XHSP	BG-LVPTZ-30XHSP
Optical Zoom	12X f = 3.9~46.8mm	20X f = 5.5~110mm	30X f = 4,3~129mm
View Angle	6.3° (tele) 72.5° (wide)	3.3° (tele) 54.7° (wide)	2.34° (tele) 65.1° (wide)
AV	F1.8 – F2.4	F1.6 – F3.5	F1.6 – F4.7

## Camera Parameters

Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels	16:9, 2.07 Megapixel
Video Format	HDMI/SDI: 1080P60 / 50 / 30 / 25 / 59.94 / 29.97; 1080i60 / 50 / 59.94; 720P60 / 50 / 30 / 25 / 59.94 / 29.97
Digital Zoom	10X
Minimum Illumination	0.5Lux (F1.8, AGC ON)
DNR	2D & 3D DNR
White Balance	Auto / Manual/ One Push/ 3000K/ 4000K/5000K/6500K
Focus	Auto/Manual
Aperture	Auto/Manual
Electronic Shutter	Auto/Manual
BLC	ON/OFF
WDR	OFF/ Dynamic level adjustment
Video adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>55dB

## Input/Output Interface

Video Interfaces	HDMI, 3G-SDI, IP Streaming (LAN)
Image code stream	Double streams outputs simultaneously
Video Compression format	H.264, H.265
Control Signal Interface	RS-232 Ring through RS232 output, RS-485
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/9600/4800/2400bps
Audio input Interface	Double track 3.5mm linear input
Audio Compression Format	AAC/MP3/PMC Audio compression
HD IP Interface	100Mb IP port (100BASE-TX); supports VISCA IP control protocol
Network Protocol	RTSP/RTMP, ONVIF
Power Interface	HEC3800 outlet (DC12V), PoE

## PTZ Parameters

Pan Rotation	±170°
Tilt Rotation	-30°~+90°
Pan Control Speed	0.1~180°/sec
Tilt Control Speed	0.1~80°/sec
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec
Preset Number	255 presets (10 presets by IR remote control)

## Other Parameters

Power Supply Adapter	AC110V-AC220V to DC12V/2A
Input Voltage	DC12V±10%
Input Current	1A (Max)
Consumption	12W (Max)
Store Temperature	-10°C to +60°C
Store Humidity	20% - 95%
Working Temperature	-10°C to +50°C
Working Humidity	20% - 80%
Dimension	150mm x 150mm x 167.5mm
Weight	1.4KG
Working Environment	Indoor
Remote Operation (IP)	WebGUI, Remote Upgrade, Reboot and Reset

# 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.

<b>Pro AV</b> <b>3</b> Year Warranty	<b>Cameras</b> <b>5</b> Year Warranty	<b>Lifetime</b> Product Support
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