

BG-VPTZN-HSU3

**PTZ Full HD 1080P 10X/20X/30X Zoom
HDMI/SDI/USB3.0/IP/NDI
Live Streaming Camera with PoE**

The BG-VPTZN-HSU3 camera can capture images at resolutions up to 1080p@60Hz. With simultaneous NDI|HX 2, HDMI, 3G-SDI, USB 3.0, and IP streaming outputs this camera can integrate seamlessly with nearly any workflow. Available with 10X, 20X, or 30X optical zoom lenses, the BG-VPTZN-HSU3 produces detailed close-ups in even large venues.

The 3.5mm audio input jack allows the BG-VPTZN-HSU3 to embed audio directly into the video stream. The camera supports H.264 and H.265 video compression formats, and can broadcast in ONVIF, RTSP, and RTMP IP streaming protocols.

FEATURES

- Resolutions up to 1080p@60Hz
- Broadcast Quality Video: Fluid motion, clear image, accurate colors
- NDI|HX 2: Power, stream, and control all from one CAT 5e/6/7 cable
- Simultaneous Video Outputs: 3G-SDI / HDMI / USB3.0 / IP streaming
- Supports H.264/H.265 video compression and RTMP(S) network protocol for Youtube/Facebook live streaming
- Connect audio mixer output or powered mic and embed audio into your live stream
- Supports ceiling, wall, tripod, or desk mount installations
- Control: RS-232, RS-485, LAN, IR remote control, free control software BG-PTZ-Control (Windows, Mac, iOS).



**FREE Software Control Program
BG-PTZ-CONTROL**

Specifications

Camera Specs

Image Sensor	1/2.7" Exmor CMOS (10X), 1/2.8" Exmor CMOS (20X), 1/2.8" Exmor CMOS (30X)
Frame Rate	1080p@60/ 59.94 / 50 /30 / 29.97 /25 1080i@60/59.94 / 50 / 30 / 29.97 / 25 720p@60/50/ 30 / 25, 480i@60, 576i@50

Zoom	Optical – 10X/20X/30X
F-number	1.6(W)–3.5(T) (10X), 1.6(W)–3.5(T) (20X), 1.3(W)–4.8(T) (30X)
Focus	f=5.1mm–51mm (10X), f=4.7mm–94.0mm (20X), f=5.2mm–148.4mm (30X)
Effective Pixels	2.70 Megapixel (10X), 2.38 Megapixel (20X), 2.70 Megapixel (30X)
View Angle (H)	72° (10X), 65° (20X), 65.4° (30X)
Min Illumination	0.5lux (F 1.8, AGG ON)
Shutter Speed	1 to 1/10000s
Image Adjustment	Vertical Flip & Mirror Supported

Input/Output Interface

Video Output	HDMI, 3G-SDI, USB 3.0, RJ45 Network (10/100M Adaptive Ethernet ports)
Audio Input	1-ch 3.5mm audio interface, Line In
Communication interface	1X RS232 IN, 1X RS232 Out, 1X RJ45, RS485
Power Connection	DC IN 12V, Power over Ethernet

Mechanical

Pan/Tilt Rotation	±178°, Tilt Rotation Angle –30°~ +90° Pan 90°/s; Tilt: 90°/s
Presets	Max 255 Presets (Remote 9 Presets)
Network Protocol	VISCA, PELCO P/D, ONVIF Protocol

IPC Video Features

Video standard	H.265/H.264/MJPEG
Video Stream	Main stream, Sub stream
Main stream resolution	1920x1080, 1280x720
Sub stream resolution	720x480, 320x240
Bit Rate	128K, 256K, 384K, 512K, 768K, 1024K, 1536K, 2048K, 3072K, 4096K, 5120K, 6144K, 8192K
Bit Rate Type	Variable rate, Fixed rate
Maximum Frame	60fps
Audio encode standard	G.711, G.722, G.722.1, G.728, G.722.1C AAC
Audio stream rate	96K, 128K, 256K
Supported protocols	TCP/IP, RTSP, RTMP

Generic

Dimensions	(L*W*H) 120mm x 120mm x 145mm
Gross Weight	3.5 lbs [1.6kg]
Operating Temperature	-10°C ~ 50°C
Max Consumption	12W DC12V@1A

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



SE



NO

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