BZBGEAR®
Amplify Your World™

BG-VPTZ-HSU3

COMPACT PTZ 1080P FHD 10X/20X/30X CAMERA WITH HDMI/SDI/USB 3.0/POE



Introducing the BG-VPTZ-HSU3, a versatile COMPACT PTZ 1080P FHD camera with 10X/20X/30X zoom options, multiple output interfaces (HDMI, 3G-SDI, USB 3.0, IP streaming), and a compact design perfect for offices and classrooms. For enhanced audio/video over IP streaming, the BG-VPTZ-HSU3 supports NDI|HX2 with the BG-VPTZN-HSU3 model.

With the ability to capture 1080p@60Hz video, this camera delivers exceptional image quality and supports H.264/H.265 video compression and RTMP(S) for live streaming. Offering flexible control via RS-232, RS-485, LAN, or IR remote, it also boasts 255 preset positions. Additional features include Power over Ethernet (PoE), audio embedding, and a sturdy all-aluminum chassis, making it a top choice for high-quality video capture and streaming in various settings.

The BG-VPTZ-HSU3 camera finds applications in video conferencing, live streaming, content creation, surveillance, and large venue settings. Its high-resolution imaging, audio integration, and multiple output options enhance professional video conferences and engaging webinars.

FEATURES

BROADCAST QUALITY VIDEO
Fluid motion, clear image, and accurate colors

LATEST STREAMING TECH
Supports H.264/H.265 video compression and RTMP(S) network protocol for Youtube/Facebook
live streaming

SIMULTANEOUS VIDEO OUTPUTS
3G-SDI / HDMI / USB3.0 / IP Streaming

POWER OVER ETHERNET
Delivers power directly over an ethernet cable from your PoE enabled network switch

AUDIO EMBEDDING
Connect audio mixer output or powered mic and embed audio into your live stream

FLEXIBLE INSTALLATION OPTIONS
Supports ceiling, wall, tripod, or desk mount installations

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TECH 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 (USB 2.0 backwards compatible port only), RJ45 Network (10/100M Adaptive Ethernet ports)
Audio Input	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

Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit **bzbgear.com/warranty.**
For questions, please call **1.888.499.9906** or email **support@bzbgear.com.**

Pro Line Products
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Essential Line Products
3-YEAR WARRANTY

Cables Products
LIFETIME WARRANTY

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TECH SPECIFICATIONS

Generic

Dimensions (L*W*H)	4.7in x 4.7in x 5.7in / 120mm x 120mm x 145mm
Gross Weight	3.5 lbs [1.6kg]
Operating Temperature	14°F ~ 122°F / -10°C ~ 50°C
Max Consumption	12W DC12V@1A
Attention:	USB 3.0 connection port on BG-VPTZ-10HSU3 camera is only compatible with USB 3.0 port on either PC or MAC when connected directly and only compatible with up to 10ft USB 3.0 cable due to a limitation in the chipset. This camera will not work with any USB 3.0 peripherals. It doesn't affect BG-VPTZ-20HSU3 or BG-VPTZ-30HSU3 models.
Working Environment	Indoor Only



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