

BG-ND-XHSRP

PTZ 20x/30x 1080p NDI HDMI 3G-SDI RS232
Live Streaming Camera with PoE
 (Available in gray)

The 1080p60Hz BG-ND-XHSRP series is equipped with optional 20x and 30x optical zoom lenses for capturing high-quality images from a distance. Supported with features including IP NDI®|HX, 3G-SDI, and HDMI outputs, this incredible camera provides connectivity flexibility for virtually any live streaming application.

The fully stocked, multi-function BG-ND-XHSRP cameras are another one of BZBGEAR's NDI cameras that delivers the performance required to produce professional quality broadcasts.

Pristine Detail, Accurate Color, Quiet Operation

- Optical zoom lens: 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" 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, PCs, NDI Universal Tools

Unrivalled Diversity of Connections and Streaming Formats

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



FREE Software Control Program
BG-PTZ-CONTROL

Specifications

Model	BG-ND-20XHSRP	BG-ND-30XHSRP
Camera Parameters		
Optical Zoom	20X f=5.5-110mm	30X f=4.3-129mm
View Angle	3.3° (tele) 54.7° (wide)	2.34° (tele) 65.1° (wide)
AV	F1.6 – F3.5	F1.6 – F4.7

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
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	NDI HX 4.0, SDI, HDMI, 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	100M IP port (100BASE-TX); support NDI & IP Visca control protocol
Network Protocol	NDI, 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 remote controller)

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%
Dimensions	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.

Pro AV 3 Year Warranty	Cameras 5 Year Warranty	Lifetime Product Support
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