

AVMATRIX



EAGLE P20/P30 Series

2160p@60/59.94

4K Professional Broadcast PTZ Camera

1/1.8"

NDI/HX3

Dual 12G-SDI

RTMP/s

SRT

FREE D





EAGLE P20/P30 Series

EAGLE P20/P30 adopts a new ROBOTIC concept appearance & U Type design, more stable and more smoothly in Pan/Tilt move. It will provide users with real 4K@60 ultra-high-definition video experience with more really, more colorful, more clear.

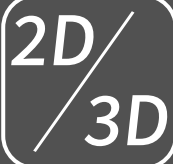
Equipped with 1/1.8" new generation Sony 4K high quality sensor, with 20X/30X multiple optical zoom lenses, and abundant video interfaces. It supports USB 3.0, HDMI 2.0, and dual 12G-SDI video outputs. Additionally, it supports NDI/HX3, providing users with the option to join Ultra HD broadcast workflows or transmit low-latency UHD video over IP networks. The SRT and FreeD protocols also assist users in the AR/VR field. Furthermore, it has built-in VISCA/VISCA over IP/PELCO P/D/ONVIF communication protocols for seamless integration with system control applications.

It can be widely used in broadcast studios, education recording, conferences AV, telemedicine, remote training, court trial systems, emergency command systems, and sports & events streaming.

4K
60fps



Tally indicator



360° IR reception



PoE

4K Ultra-High-Definition Ultimate Picture Quality, More Really, More Colorful, More Clear

EAGLE P20/P30 adopts 8.3 megapixels Sony high quality 4K CMOS sensor, can reach maximum 3840×2160 resolutions and output frame rate up to 60fp & 59.94.



20/30X Optical Zoom Lens Captures Every Detail You Need

Equipped with a 1/1.8" new generation Sony sensor, this camera offers a variety of optical zoom lenses, including 20X and 30X options. It features fast zoom and focus capabilities, ensuring clear and smooth images for the user.

20/30X
Optical zoom



NDI|HX3 Upgrade For Cameras

	NDI HX3	NDI HX2
Quality	very good	Good
Bandwidth	Middle (~80Mbps)	Low (~18 Mbps)
Latency	Extremely low	Medium
Requires FPGA	No	No
GOP	1or2	60

NDI|HX3 with Very Low Latency

The camera is embedded with the latest NDI 5.0 technology, with Ultra-Low latency, low bandwidth requirements to feed with your Full HD/4K video streaming.

Abundant Interfaces, Max Support Dual 12G-SDI Video Synchronous Video Output

Support HDMI 2.0, 2x12G-SDI, and IP streaming/NDI output, USB 3.0 uncompressed UVC output. All HDMI, SDI, IP, USB interfaces can synchronously output 4K60 images. EAGLE P20/P30 is especially designed with dual SDI video outputs, which enables multi-channel SDI signal output without an SD distributor.

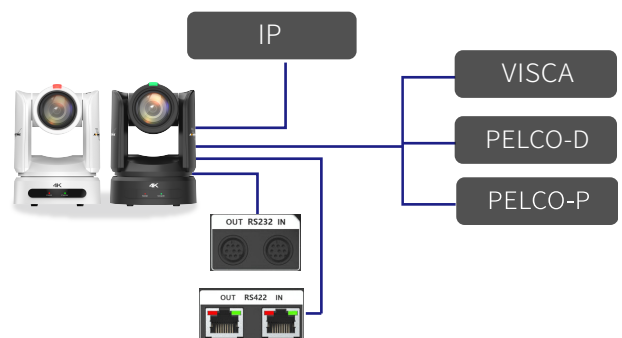


Live VR/AR Video Production

EAGLE P20/P30 supports the FreeD protocol. This enables users to work with virtual reality and augmented reality sets without the need for additional sensors.

Support Multiple Protocols

The EAGLE P20/P30 features support for VISCA, UDP, ONVIF, and PELCO P/D protocols, enabling flexible control through RS485, RS422, RS232, USB 3.0, or IP interfaces.

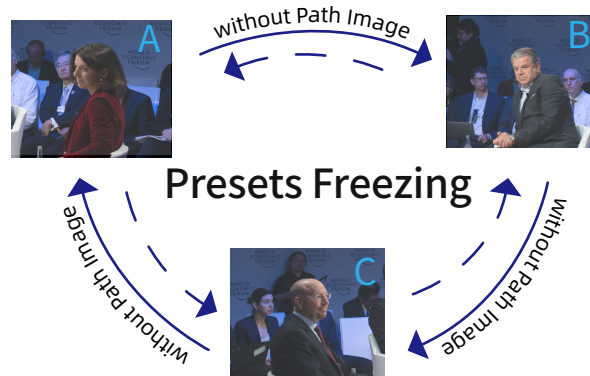


More Stable and More Smoothly & Ultra-Silent in Pan/Tilt Move

The PTZ camera employs advanced high-precision motors and drive chips, ensuring smooth and silent panning and tilting at various speeds.

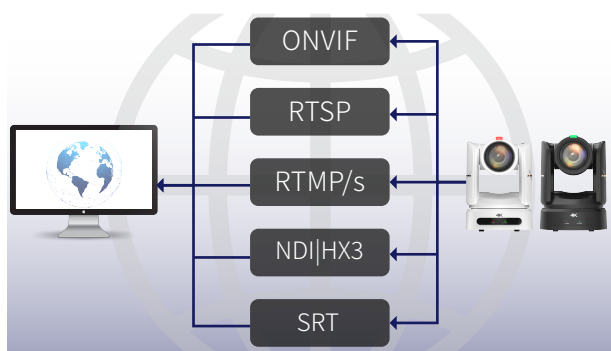
Supports Preset Freeze and Scene Switching Functions

The camera supports the preset freeze function. Users can enable this function and use the preset function to realize free switching of scenes.



Max Support 255 Presets

The camera allows user to store and recall up to 255 preset camera settings. (The remote controller max support 10 presets). User can freely switch between different image configurations, even in complex scenes. Don't let you miss every important moment.

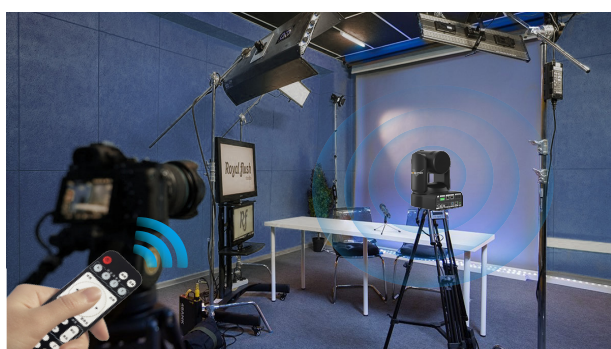


IP Streaming in Your Video Production

Support ONVIF, RTSP, RTMP/s, NDI|HX3, SRT protocols, and can be expanded according to user needs.

Double Color Tally Light

The camera is equipped with adjustable red and green tally lights, positioned both in front of and behind the lens, providing clear visual feedback for operators.

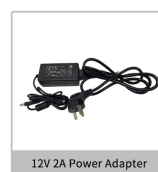
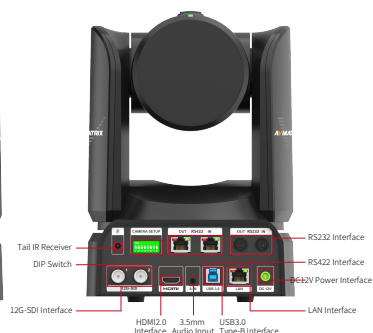


360 ° Infrared Remote Control

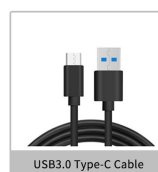
Supports 360° infrared remote control, no matter what angle or position, the user can freely control the camera through remote controller.

- Specifications-

4K Ultra HD PTZ Camera	Model	EAGLE P20-12G	EAGLE P30-12G	EAGLE P20-12G-NDI	EAGLE P30-12G-NDI
	CMOS Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
	Zoom	20X	30X	20X	30X
	Effective Pixels	8.3 Megapixels			
	Video Format	2160P60/59.94, 2160P50, 2160P30/29.97, 2160P/25; 1080P60/59.94, 1080P50, 1080P30/29.97, 1080P25; 1080i60/59.94, 1080i50; 720P60/59.94, 720P50			
	Optical Zoom	20x Optical Zoom 12X Digital Zoom	30x Optical Zoom 12X Digital Zoom	20x Optical Zoom 12X Digital Zoom	30x Optical Zoom 12X Digital Zoom
	Focus Length	f=7.1~141.3mm	{=7.1~211.95mm	f=7.1~141.3mm	{=7.1~211.95mm
	HFOV	3.6°(T) ~59.2°(W)	2.5°(T) ~59.2°(W)	3.6°(T) ~59.2°(W)	2.5°(T) ~59.2°(W)
	Iris	F1.61 ~ F5.19	F1.61 ~ F5.19	F1.61 ~ F5.19	F1.61 ~ F5.19
	Min Illumination	0.05 lux (F1.61)			
	Digital Noise Reduction	2D&3D Noise Reductio			
	White Balance	Manual/Auto/Indoor/outdoor/One Push//3000K/4000K/5000K/6500K/ATW			
	Focus Mode	Manual/Auto/Z- Trigger			
	Iris Mode	Manual/Auto			
	BLC	1-8/OFF			
	Picture Adjustment	Brightness, Hue, Saturation, Contrast, Sharpness			
I/O Parameters	Video Output Interface	HDMI2.0, 12G-SDI*2, RJ45, USB3.0			
	Video Compression Format	H.264, H.265, MJPEG			
	Control Interface	1X RS232 IN, 1X RS232 Out, 1X RS422 IN, 1X RS422 Out , 1X RJ45			
	Control Protocol	VISCA /PELCO-D / PELCO-P, VISCA OVER IP, ONVIF、UVC (only for USB interface)			
	Baud Rate	2400/4800/9600/19200/38400bps			
	Audio Input	Dual Channel 3.5mm Line Input			
	Audio Compression	ACC, G711A, G711U			
	Network Interface	1000M Internet Access(10/100BASE-TX)			
	Network Protocol	RTSP, RTMP, ONVIF, SRT, GB28181, VPN			
	NDI Protocol	Not Support	Not Support	NDI HX3	NDI HX3
	Power Interface	DC-038 Outlet(DC12V)			
Pan/Tilt Mechanical Parameters	Pan Rotation Angle	-175°~+175°			
	Tilt Rotation Angle	-30°~+90°			
	Horizontal Rotation Speed Range	0.1~100°/s			
	Vertical Rotation Speed Range	0.1-80°/s			
	Presets	Max Support 255 Presets			
General Parameters	Power Adapter	AC100V~AC240V Input, DC12V/2A Output			
	Input Voltage	DV12V			
	Power Consumption	15W(MAX)			
	Storage Environment	-10°C ~ +60°C / 20% ~ 95%			
	Working Environment	-10°C ~ +50°C / 20% ~ 80%			
	Weight	Net Weight: 2970g, Gross Weight: 3901g (Without Bracket)			



12V 2A Power Adapter



USB3.0 Type-C Cable



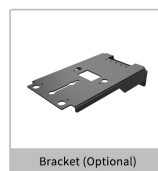
Bracket (Optional)



Remote Controller



RS232 Serial Cable



Bracket (Optional)