

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 interface; Support USB3.0、HDMI2.0 and Dual 12G-SDI Video output, and it can support NDI/HX3, which can give User give users the option to join Ultra HD broadcast workflows or transmit low latency UHD video over IP networks; SRT & FreeD Protocol also will be help user in AR/VR filed. And Built-in VISCA/Visca Over IP/ PELCO P/D/ ONVIF communication Protocol to to seamlessly integrate 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

20X
30X

2D
3D



360° IR reception



PoE

4K Ultra-High-Definition ultimate picture quality, More Really, More Colorful, More clear

EAGLE P20/P30 Adopt 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 to capture every detail of what you need

Equipped with a 1/1.8" new generation SONY sensor, a variety of optical zoom lenses such as 20x and 30x can be selected. with Fast zoom and focus capabilities to provide clear and smooth images for 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 HX3with Very Low Latency

The camera embedded with the latest NDI 5.0 technology, with Ultra-Low Latency, Low Bandwidth requirements to feed with your Full HD4K Video Streaming.

Abundant Interface, Max support Dual 12G-SDI video synchronous Video output

Support HDMI 2.0 HD, 2*12G-SDI and IP Streaming/NDI output, USB3.0 uncompressed UVC output, optional SDVoE uncompressed network output, and all HDMI, SDI, IP, USB, SDVoE interfaces can synchronous output 4K60 images, Especial UHD800 Dual SDI Video Output design. Multi-channel SDI signal output can be realized without SDI distributor.

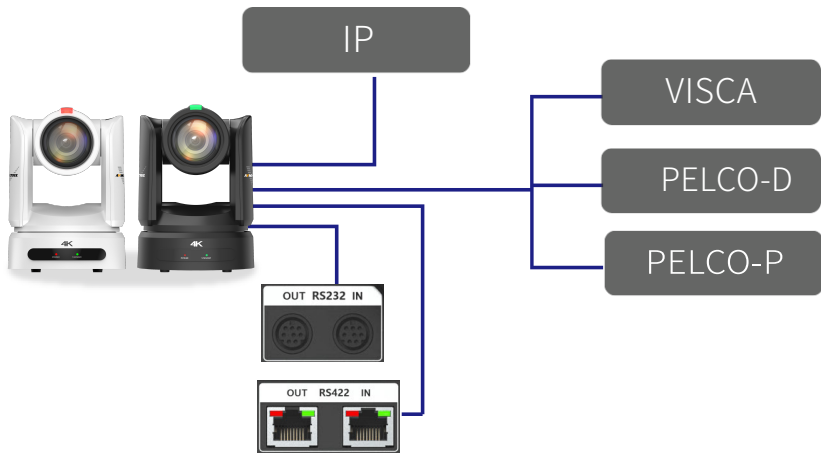


Support multiple communication ways in remote control

EAGLE P20/P30 Built-in Multiple Communication Protocol of VISCA/UDP/ONVIF/PELCO/P, PELCO D/UVC. it can support Communion Control by RS485/RS422/RS232/USB3.0/ IP interface.

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.

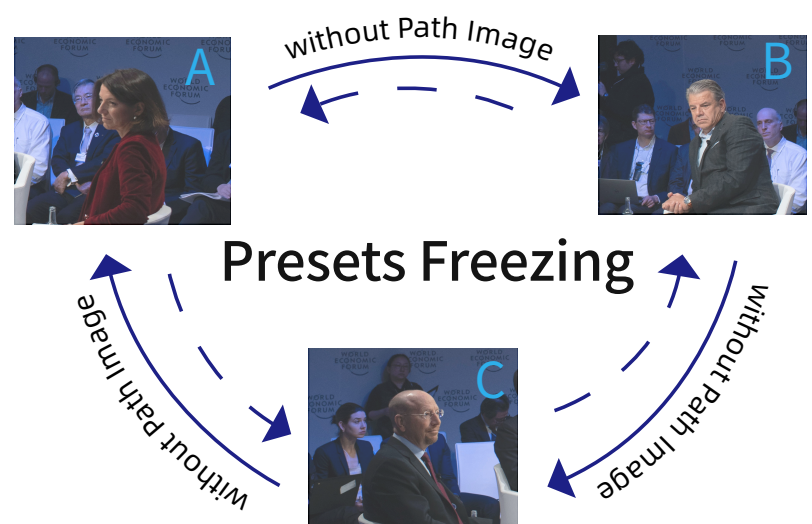


More stable and More smoothly & Ultra-silent in Pan/Tilt move

Using high-precision stepping motor with "U" Type Structure design in our Ultra-unique silent Drive, More stable and More smoothly in Pan/Tilt move, Ultra-silent.

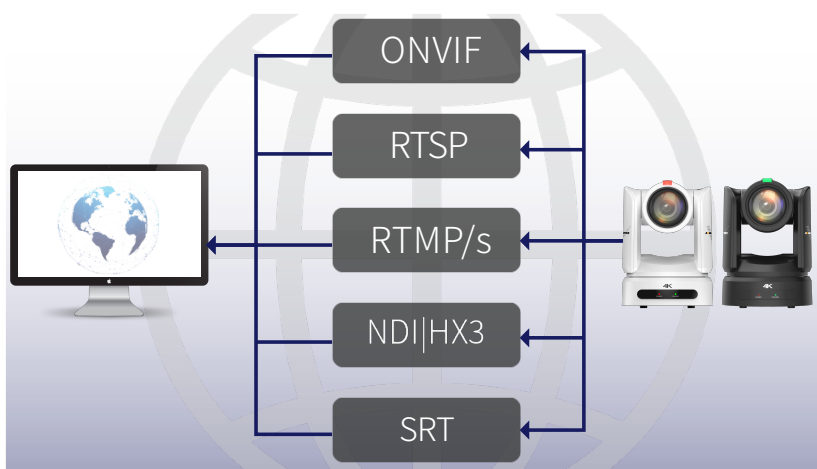
Supports the preset freeze function, scene switching

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 can setting & call Presets max to 255 presets. (The Remote controller max support 10 Presets), You can freely switch the image at will, 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.

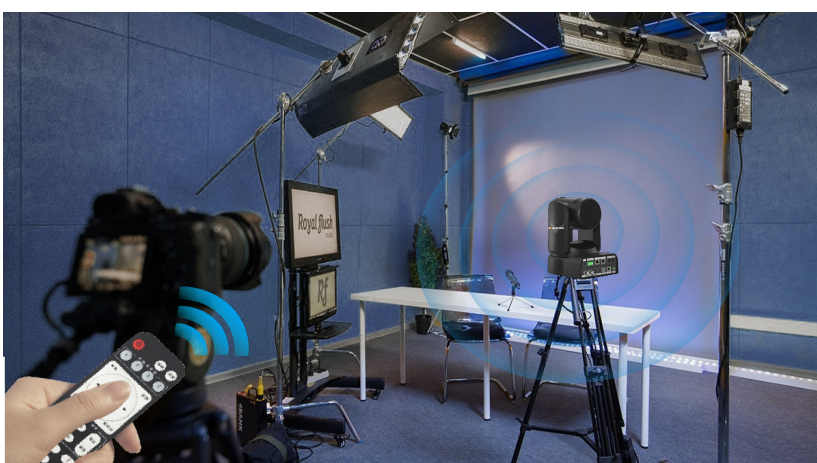
Double Color Tally Light

The Tally light support 2 kinds of color Red & Green. and the brightness can be adjusted according to customize. Distributed in Front or Behind of Camera.



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-

Ultra HD Z 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℃ ~ +60℃ / 20% ~ 95%			
	Working Environment	-10℃ ~ +50℃ / 20% ~ 80%			

- Products Picture-



PUAS