Prestel

Prestel 4K-PTZ430HSUN

4KP60 lens with 30X optical zoom

SPECIFICATIONS

Prestel 4K-PTZ430HSUN	
4KP60 lens with 30X optical zoom	
UHD 4KP60, Ambarella platform	
Support AI tracking	
Main Features	**●AI tracking** Built-in AI processor, using deep learning technology to achieve smooth automatic tracking of human figures no matter where the face is facing through humanoid features, it is very suitable for automatic target tracking in lectures, speeches, teaching and other scenes **●4K UHD** The new generation of SONY 1/1.8-inch, 8.42 million-pixel high-quality UHD CMOS sensor can achieve 4K (3840x2160) ultra-high-resolution high-quality images. And backward compatible with 1080P, 720P and other resolutions **●30x optical zoom** Adopt high-quality true 8 million ultra-high-resolution 4K ultra-telephoto lens, 30x optical zoom, and a maximum field of view of 60° **●HDMI 2.0** Support HDMI 2.0 interface, can directly output 4K60P uncompressed digital video **●Low illumination** The brand-new CMOS image sensor with ultra-high performance-to-noise ratio can effectively reduce the image noise in low-illumination conditions. The 3D noise reduction algorithm is applied to greatly reduce the image noise. The noise ratio is as high as 55dB or more. **●Multiple interfaces** Support HDMI2.0 high resolution output,3G-SDI interface,MAX effective transmission distance up to 150M(1080P30) **●Remote control** Multiple control modes,RS232、RS485、network and USB can be used to control the camera. **●Intelligent exposure** Effectively solve the impact of projection, TV and other equipment on shooting people
Model	Prestel 4K-PTZ430HSUN
Name	Ambarella 4K PTZ Camera
Camera	
Video system	4K@60fps,4K@59.97fps, 4K@50fps,4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps,1080I@50fp, 1080P@30fps,1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps,720P@59.94fps
Sensor	1 / 1.8-inch UHD CMOS sensor with a maximum of 8.42 million pixels
Scanning Mode	Progressive scanning
Lens	30x, f = 7.1mm~210mm , F1.61～F5.19
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, indoor, outdoor, one touch, manual
Backlight Compensation	Support
Digital Noise Reduction	3D digital noise reduction
Video S/N	≥55dB
Horizontal Angle of View	59.2° ~ 2.5°
Vertical Angle of View	34.6° ~ 1.4°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
PoE	Support
Number of Preset	255
Preset Accuracy	0.1°
USB featured(USB3.0)	
Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System /Compression	YUY2 / H.264 / MJPEG /H.265
Video Format	YUY2 :MAX 1080P@30fps H.264 AVC: MAX 2160P@60fps H.264 SVC: MAX 2160P@60fps H.265 SVC: MAX 2160P@30fps MJPEG: MAX 4K@30fps
Audio on USB	Support

USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support
Network Features	
Video Compression	H.265/H.264/MJPEG
Video Stream	Main streaming, sub streaming
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576.etc
Sub Stream Resolution	720x576, 720x480, 320x240.etc
Video Bit Rate	32kbps~102400kbps
Bit Rate Type	Variable bit rate，Fixed bit rate
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC、G711
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	NDI®|HX2, SRT, TCP/IP,HTTP,RTSP,RTMP(s),Onvif,DHCP,Multicast and so on
Input/Output Interface	
HD Output	1xHDMI: 2.0 Video format：4K@25/30/50/60/59.94/29.97fps; 1080P@25/30/50/60/59.94/29.97fps; 1080I@50/60/59.94/29.97fps ； 720P@25/30/50/60fps Remarks：4KP60 HDMI output only supports YUV420
	1x3G-SDI: BNC type, 800mVp-p, 75Ω, Comply with SMPTE 424m standard. Video format：1080P@25/30/50/60/59.94/29.97fps; 1080I@50/60/59.94/29.97fps; 720P@50/60fps
Network Interface	1xRJ45: 10M/100M/1000M Adaptive Ethernet
Audio Interface	1-ch , 3.5mm Audio Interface, Line In；
USB Interface	1-ch，USB3.0, Max Output 4k@60fps compression video & 1080P original video
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
	1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only
	1xRS485: 2pin phoenix port, maximum distance: 1200 meters, Protocol: VISCA/Pelco-D/Pelco-P protocol
RESTORE	Support
Power Jack	JEITA type (DC IN 12V)
Generic Specification	
Installation	Ceiling mount, wall mount
Tally light	1PCS (Red and Green)
Power light	1PCS (Blue)
Status light	1PCS (Green)
IR remote	Support
Input Voltage	DC 12V / POE
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	MAX 15W
Size	170mm(W) x 228mm(H) x 181mm(D)
Net Weight	2.0KG
Product Picture	

HDMI and SDI connection can't have video output at the same time