

4k High-definition AI tracking USB Conference Camera Series

Wireless 4Kp30 5.8G-WIFI

Product Overview

PTZ high-definition color camera suitable for enterprise, education, and remote medical applications, with a high frame rate of 3x10x and 30FPS. High quality color video images can be captured in corporate conference rooms, classrooms, training centers, and medical rooms. Users can watch on their PC via 5.8G wireless connection. This camera, with its advanced servo control algorithm, can achieve precise, smooth, and quiet PTZ control. The wide-angle lens of the camera can easily cover everyone indoors during video conferences. It is equipped with 256 preset positions, allowing it to easily and quickly reproduce clear images without causing any interference to the speaker or audience. The use of a sensitive EXMOR CMOS image sensor ensures the capture of delicate full HD images and high-level resolution. For the convenience of control and viewing, USB 2.0 capable of outputting 30FPS frame rate is provided, and it can automatically receive VISA commands and PELCO-P/D protocol commands. RS232 or RS485 interfaces can be selected for connection.



Model :

4K210U (10x optical zoomUSB)

4K210UW (10x optical zoomUSB\WIFI)

4K203U (3x optical zoomUSB)

4K203UW (3x optical zoomUSB\WIFI)

Application Scenarios :

Product Features :

- Precise, smooth, and quiet positioning control algorithm PTZ control Equipped with advanced control algorithms and precision motor drive, the operation is very quiet, smooth, and stable. It can accurately and quickly move to the designated position and perform large-scale shooting.
- True 4K high-definition images Using a high-quality Exmor R CMOS sensor with 1/2.5 inch and 8.51 million effective pixels, it can achieve high-quality images with 3840 × 2160 ultra-high resolution. While ensuring ultra-high definition, the focus is on meeting the demand for smooth image quality. Low noise and high signal-to-noise ratio 2D and motion estimation based 3D denoising algorithms were applied, and a new generation of low-noise sensors were used to effectively reduce noise.
- Supports 3x/10x optical lens matching 3X optical zoom, 105 degree horizontal viewing angle, 12x digital zoom 10X optical zoom, 55 degree horizontal viewing angle, 12x digital zoom USB 3.0 4KP30 ultra clear video output Supports multiple high-definition video formats such as 4KP30, 1080P30, 720P30, etc. Wireless 5.8G-WIFI 4KP30 ultra clear video output Supports multiple high-definition video formats such as 4KP30, 1080P30, 720P30, etc. IP network 4KP30 ultra clear video output (cannot be output simultaneously with USB or WIFI) Supports multiple high-definition video formats such as 4KP30, 1080P30, 720P30, etc. TF card recording function (cannot be used simultaneously with USB 3.0) Supports TF card recording function, supports recording in multiple time periods, and supports audio recording.

- AI intelligent tracking function IP network function (cannot be used simultaneously with USB 3.0) Supports ONVIF, SRT, RTSP, RTMP, VISA (UDP), VISA (TCP), VISA OVER IP, NDI (optional), POE (optional) 256 preset positions 256 positions can be pre-set through the serial port, including horizontal, pitch, and zoom settings. When the camera is powered off, the preset data can also be saved.
- Multi functional remote control Equipped with an easy-to-use remote control, in addition to basic settings and control of horizontal, pitch, zoom, etc., the camera's relevant parameters can also be set through the remote control menu. OSD Chinese and English menu functions Rich OSD menu, which can be controlled with a remote control in both Chinese and English OSD menus.

Technical Parameter

CAMERA	
Signal System	3840×2160P30/25,1080P60/50/30/25 、720P60/50
Sensor	1/2.5-inch high-quality CMOS sensor with 8.51 million effective pixels
Scanning Method	P system line by line
Digital Zoom	12X
Minimum Illumination	Minimum illumination support for ultra-low illumination: 0.1Lux@F1.6 (Color), 0.01Lux@F1.6 (Black and White) degree
Shutter	1/30s ~ 1/10000s
White Balance	Automatic, Indoor,Outdoor, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Signal to Noise Ratio	≥52dB
Horizontal and vertical field of view angle And focal length	3x: Horizontal: 105 ° (wide-angle end)~35 ° (far end), focal length: 2.5mm~7.5mm 10x: Horizontal: 55 ° (wide-angle end)~5.5 ° (far end), focal length: 5.7mm~57mm
Horizontal rotation range	±170°
Vertical rotation range	-30° ~ +90°
Horizontal rotation speed range	1 °/s ~ 100 °/s
Vertical rotation speed range	1 °/s ~ 60 °/s
Horizontal and	Support

vertical flipping		
Number of preset positions		255
Pre positioning accuracy		±0.1°
USB3.0 Resolution		H.264: 3840*2160P30fps,(2560*1440,1920*1080,1280*720, 640*480,320*240)P30fps MJPEG: 3840*2160P30fps,(2560*1440,1920*1080,1280*720, 640*480,320*240)P30fps YUY2: (2560*1440,1920*1080,1280*720,640*480,320*240)P 30fps
UVC		Support
Network function		Video Compression: H.265/H.264 Main Stream: Supports up to 4KP30 Substream: Supports up to 480P30 Network protocols: ONVIF, SRT, RTSP, RTMP, VISA (UDP), VISA TCP, VISA OVER IP, NDI (optional), POE (optional), etc Web browsing: supported.
INPUT OUTPUT INTERFACE		
HD interface	USB3.0	Highest support4KP30
	IP	Supports up to 4KP30 (cannot output simultaneously with USB 3.0)
	USB2.0	Supports connecting devices such as USB omnidirectional microphones.
	TF Card	支持 TF 卡录像功能 · 支持多种时间段录制 · 支持音频录制。
Communication Interface		1 路, RS-232 IN, 最大距离: 30 米, VISCA/Pelco-D/Pelco-P 协议 1 路, RS-422 ,最大距离: 1200 米, VISCA/Pelco-D/Pelco-P 协议
USB3.0 Wireless Receiver		Wireless transmission 5.8G receiver
USB Agreement		UVC1.1
PowerInterface		JEITA (DC IN 12V) HEC3800
GENERAL SPECIFICATIONS		
Input Voltage		AC110V-AC220V to DC12V/1.5A
Input Current		DC12V(DC11.5-DC12.5V)
Operation Temperature		0°C到+45°C
Storage Temperature		-10°C到+60°C
Power Consumption		12W(maximum)
Package Size		355mmX270mmX255mm
Weight (Net Weight)		2KG(1.2KG)