

AK9012UHD

VIDEO CONFERENCE CAMERA



Optical Zoom
12X



Digital Zoom
16X



View Angle
Horizontal: 6.55° (Tele) - 69.4° (Wide)

Technical Specifications

AK9012UHD SERIES VIDEO CONFERENCE CAMERA
UHD, Wide View Angle, Multiple Video Interfaces. Multiple protocols. The AK9012 UHD series 4K Ultra HD camera offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition.

View Angle	Horizontal: 6.55° (Tele) —69.4° (Wide) Tilt: 3.66° (Tele)–42.8° (Wide)
Aperture	F1.6 ~F2.8 ± 5%
Optical Zoom	12X
Digital Zoom	16X
Resolution	4K Ultra HD (3840 x 2160)
Image Sensor	1/2.8-inch CMOS Sensor
Effective Pixels	8.51 MP (Mega Pixel), 16:9 (Aspect Ratio)
Minimum Illumination	0.05Lux (F1.8, AGCON)
DNR	2D & 3D DNR
White Balance	Auto / Manual/ One Push/ Specified color temperature
Focus	Auto / Manual/ One Push
Exposure mode	Auto / Manual / Shutter' Priority / Iris Priority / Whiteness Priority
Iris	F1.8-F11 CLOSE
Shutter Speed	1/25-1/10000
Dynamic range	OFF/ Dynamic level adjustment
BLC	ON/ OFF
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
DNR	>50dB
Function of Interface	
Interfaces	HDMI, LAN (POE), USB3.0 Interface (Type B, compatible with USB2.0), A-RS232 (in & out), RS422 (work with RS485), Rotary dial switch, DC12V,
Image Code Stream	Dual Streaming
Video Compression Format	LAN.H.264, H.265, USB3.0: MPG, H.264, YUY2, NV12
Audio Input Interface	A-IN, Double track 3.5mm linear Input
Audio output interface	HDMI, LAN(POE), USB3.0
Audio Compression Format	AAC/MP3/G.711A
Lan Interface	L10m/100/1000M Adaptive Ethernet port, support POE and audio/video output
Network Protocol	Support RTSP, RTMP, ONVIF, GB/T28181, NDLVISCA Control Protocols Network. Support remote upgrade, reboot and reset
Control Interface	RS232(In & Out), RS422(work with RS485)
Serial Communication Protocol	VISCA/Pelco-D/Pelco-P, support baud rate 115200/38400/9600/4800/2400
USB Communication Protocol	UVC (video), UAC (audio)
Power Adaptor	Input: AC110V-AC220V Output: DC12V/1.5A; HEC3800 (DC 12V), POE +
Input Voltage	DC12V±10%; Input Current: 1A
Power Consumption	<12W
PTZ Parameters	
Pan Rotation	-170°~ +170°
Tilt Rotation	-30°~ +90°
Pan Control Speed	0.1- 100°/sec
Tilt Control Speed	0.1-45°/sec
Preset Speed	Pan: 100 °/Second; Tilt: 70°/ Second
Preset Number	255 Points Preset (10 presets by remote control)

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