

HD 12X / 18X Optical Zoom, H.265/H.264/MJPEG, HDMI/3G-SDI, AUDIO IN, RTSP&RTMP Streaming

H5-A1 / H5-A2



Advanced New 4K UHD PTZ Camera Design
Private Tooling & Patent Design

3840X2160@30fps
1/2.8" Progressive COMS, 8.42 M pixel quality sensor output 4K@30fps

HD optic lens, 12X / 18X
12x optical zoom, HOV 71 degree Wide view angle, F1.8-F2.8
18x optical zoom, HOV 55 degree Wide view angle, F1.5-F3.0

Auto Frame
Auto frame keep everyone in centre when people join or exit meeting

PTZ Mechanism
Pan movement $\pm 165^\circ$, Tilt Movement: 120°

PTZ Control protocol
PELCO-D, VISCA, PELCO-P, UVC1.5

Network protocol
RTSP, RTMP, ONVIF

Video output connector
3G-SDI, HDMI, USB3.0, LAN

PoE function
Support Power over ethernet

Model	H5-A1	H5-A2
Sensor	1/2.8" Progressive COMS, 8.42 megapixel	
Zoom	12X	18X
Focus	f=4.14~47.08mm	f=5.2~98mm
Iris	F1.8 ~ F2.8	F1.5 ~ F3.0
HOV	6.57°~70.28°	3.2°~55.8°
Min illumination	0.5Lux at F1.6	
Shutter	1/25 ~ 1/10,000 S	
White Balance	Auto, Shutter priority	
Line in	3.5mm Audio input socket	
S/N Ratio	≥50dB	
Backlight Compensation	ON/OFF	
Gain control	Auto	
Image Flip	Image reverse, Mirror flip	
OSD Menu	LENS OSD, DOME OSD	
OSD Menu	Chinese, English	
PTZ Parameters		
Horizontal Movement	-165° ~ +165°	
Tilt Movement	-30° ~ +90°	
Horizontal movement speed	0.1° ~ 40°/S	
Tilt movement speed	0.1° ~ 40°/S	
Speed Match	Support	
Command Protocol	VISCA, PELCO-D	
Preset Position	255 (including special preset position)	
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps	
Network protocol	RTSP, RTMP, ONVIF	
Input/output Connectors		
DC IN	DC IN 12V	
Video output Interface	3G-SDI, DVI-I, USB2.0, LAN(DVI-I to HDMI, YPbPr)	
Video output	HDMI: 4KP30fps, 4KP25fps, 1080P60fps, 1080P50, 1080P30, 1080P25, 720P60, 720P50 3G-SDI: 1080P60fps, 1080P50, 1080P30, 1080P25, 720P60, 720P50	
Communication control interface	1x RS-232C IN: 8 pin DIN, 30m max., VISCA/PELCO-D/PELCO-P protocol; 1x RS-232 Out: 8 pin DIN, 30m max., VISCA/PELCO-D/PELCO-P protocol; 1x RS422: 4 PIN Phoenix, 1200m max distance, VISCA/PELCO-D/PELCO-P;	
Video connectors	HDMI 1.4b X 1 1X 3G-SDI; BNC type, 800mVp-p, 75Ω, SMPTE 424M standard;	
LAN	1xRJ45: 10M/100M/self-adaptable LAN	
AUDIO INPUT	1X 3.5mm AUDIO IN	
USB connector	1x USB 3.0 type-C	
Network features		
Video encoding	H.265/H.264/MJPEG	
streaming	Main stream: 3840x2160, 1920x1080, 1280x720, 1024x576 Sub-stream: 720x576, 720x480, 320x240	
Video bit rate	Main stream: 32kbps-51200kbps Sub-stream: 32kbps-20480kbps	
Bit rate control	Variable or fixed bit rate	
Frequency	50Hz: 1fps-50fps 60Hz: 1fps-60fps	
Audio encoding	AAC, G711A	
Audio bit rate	96kbps, 128kbps	
Network protocols	TCP/IP, HTTP, RTSP, RTMP/RTMPS, Onvif, DHCP, Multicast, GB/T28181	
USB connector info		
Support OS	Windows7, Windows8, Windows10, Windows11, MacOSX, Linux2.4.6 or later versions, Android included UVC related driver versions.	
Color space	YUY2/H.264/H.265	
Video output format max.	YUY2: 1080@60fps H.265 HEVC: 2160@30fps	H.264: 2160@30fps MJPEG: 2160@30fps
USB Audio	UVC1.1, UVC1.5	
UVC PTZ Control	supported	
General info		
Power supply	JEITA Type DC12V±10%, 2A or PoE(802.3af)	
Working Environment	Working temperature 0 ~ 50, working humidity 10% ~ 95%	
Dimension(LxWxH)	250mm×140mm×154mm	
Weight	1400g	
Color	Silver	