



WINSAFE UHV-VA600-4K 4K UHD All-in-one Video Conferencing Camera



WINSAFE UHV-VA600-4K 4K All-in-One Video Camera with Sound Bar

Video Part

- Adopted advanced high definition DSP, 1/2.5" 8.5MP CMOS sensor and high quality fixed 4K lens with 120 degree FOV, to provide sharp and crystal clear image.
- 4x electronic zoom adjustable.
- An ultra-wide, big depth of field fixed lens is used.
- USB3.0 port compatible with USB2.0 output, and USB2.0 supports ultra low video resolution for different application.
- With multiple video interface: USB3.0, IP and HDMI.
- Max resolution 2160p60 (MJPEG/H.264/H.265) is supported.
- Support HTML5 WEB protocol, enable streaming in main modern browser: IE, Chrome, Firefox, Safari, Opera.
- Support standard Sony VISCA over IP, to control the camera via IP remotely.
- Support NewTek NDI V4.0 video transmission protocol, video transmission latency is very low, the video effect is more smooth than ordinary video stream, the maximum support for 20480K data stream, video details almost no loss.(additional version)
- Support standard UVC1.0~1.5 protocol, working with any your favorite video conferencing software. API is supported.
- Matched with RF remote control to set video and audio.
- Support Auto frame: Auto-frame participants at meeting start or enter, leave, or change positions; Auto-frame can be closed via remote controller.
- Support Chinese and English OSD menu

Audio Part

• Uses Microphone Array Algorithms

By sampling and processing the spatial characteristics of sound field, the background sound can be removed to the maximum extent, leaving only the needed sound waves, even in the noisy environment, it can make the voice sound clear without noise;

• High Definition Audio

16K pickup and 24K playback, to make voice crystal clear, sounding like face-to-face meeting.360° Omni-directional pickup, the pickup range is up to 5 meters and voice quality is most ideal in 3 meters.

• Outstanding Full Duplex Communication

Freely and fluent two-ways communication in 5 meters.

• Advanced Speech Algorithms

360° Omni-directional and long distance pick

Full duplex communication

384ms acoustic echo cancellation

Background noise suppression

Auto-level loud and soft voices

Peak-limiting algorithm eliminates even momentary speaker clipping to prevent distortion



I/O Interface

USB3.0 port compatible with USB2.0 output, and USB2.0 supports ultra-low video resolution for different applications.

With multiple video interfaces: USB3.0/USB2.0, IP, and HDMI.

Support HTML5 WEB protocol, enable streaming in the main modern browser: IE, Chrome, Firefox, Safari, Opera.

Support standard Sony VISCA over IP, to control the camera via IP remotely.

Support NewTek NDI V4.0 video transmission protocol, video transmission latency is very low, the video effect is more smooth than ordinary video stream, the maximum support for 20480K data stream, video details almost no loss.

Support standard UVC1.0~1.5 protocol, working with any of your favorite video conferencing software. API is supported.



Technical Specification

Model No.	UHV-VA600-4K
Video	
Sensor	1/2.5" CMOS sensor
Effective Pixel	8.5M effective pixels 16:9
Scan	Progressive
Lens	f=2.22mm±5%
Iris	F=2.4±5%
FOV	120°
Focus Mode	Fixed
White Balance	ATW/Auto/Manual/Outdoor/Indoor/Sodium/Fluorescent/Onepush
Iris	Auto/Manual/Brightness Priority/Shutter Priority
Anti-Flicker	OFF/50Hz/60Hz
Noise-Flicker	2D & 3D
Wide Dynamic	Support
Backlight compensation	Support
Color Enhancement	Support
Edge Enhancement	Support
Image Flip	Support
Image Mirroring	Support
Electronic Pan/Tilt	Support
Auto Frame	Support
Remote controller	2.4G remote controller to set OSD menu, audio, mute, video
USB Port	
USB2.0 Type B/USB2.0	
Protocol	UVC1.0-1.5
Video Format	MJPG/H.264/H.265/YUY2
Resolution	MJPG/H.264/H.265 3840x2160, 2592x1944, 2048x1536, 1920x1080, 1600x1200, 1280x1024, 1280x720, 1280x960, 1024x768, 800x600, 720x576, 704x576, 640x480, 640x360, 352x288, 320x240, 320x180 YUV: 1920x1080, 1600x1200, 1280x1024, 1280x720, 1280x960, 1024x768, 800x600, 720x576, 704x576, 640x480, 640x360, 352x288, 320x240, 320x180
Frame	30/25/20/15/10/5fps
Support System	Win7, Win10, MAC OS 10.7 and above, Android, Linux
HDMI Port	
HDMI 2.0	
Resolution	3840x2160P30/25 1920x1080P60/50/30/25 1920x1080i60/50 1280x720P60/50/30/25
IP Port	
RJ45:10M/100M/1000M Base-T	
Video Encode	H.264/H.265
Video Steam	Main Stream, Sub Stream
Main Stream	3840x2160@1-60, 1920x1080@1-60, 1280x720@1-60, 1024x576@1-60
Sub Steam	1280x720@1-60, 1024x576@1-60, 720x576@1-60, 720x480@1-60, 320x240@1-60
Video Bitrate	1024Kbps~20480Kbps
Support Protocol	TCP/IP, HTTP, RTSP, DHCP, RTMP, Onvif(V2.4) , VISCA over IP(TCP&UDP), HTML5, VISCA
Bitrate Control	Variable Bit Rate, Constant Bit Rate
Bitrate Control	50Hz: 1fps ~ 60fps, 60Hz: 1fps ~ 60fps
Line In Audio Compressed	AAC, LPCM
Line in Sampling Rate	11050, 22050, 44100
Line in Audio Bitrate	32Kbps, 48Kbps, 64Kbps, 96Kbps, 128Kbps
Audio	
Audio Input/ Output	Built-in Omni-directional microphone array
Protocol	UAC
Microphone	4pcs Omni-directional microphone

Speaker	4Ω/8W 100-24KHz 2 inch anti-magnetic horn
Pickup bandwidth	100-16KHz
Support Protocol	TCP/IP, HTTP, RTSP, DHCP, RTMP, Onvif(V2.4) , VISCA over IP(TCP&UDP), HTML5, VISCA
Sampling frequency	32KHz(Ascending), 48KHz(Descending)
Bitrate Control	50Hz: 1fps ~ 60fps, 60Hz: 1fps ~ 60fps
Line In Audio Compressed	AAC, LPCM
Sensitivity	-38dB~94dB SPL@1KHz
S/N ratio	65dB 94dB SPL@1KHz
Audio Feature	Auto acoustic echo cancellation, Auto gain, Auto background noise suppression, Full-duplex, 360°Omni-directional pickup, Array Microphone algorithms
Pickup range	3~5meters, ideal within 3 meters
Others	
Power Consumption	12V/500Ma, power adapter
PoE	Supported
Dimension	φ70.5×φ70.5×370.7mm
Work Temperature	0°~40°C
Storage Temperature	-40°~70°C
Color	Metal Silver/Black/White
*** Product specification are subject to change without notice ***	