

1080P Wireless Professional PTZ Camera

UAI4V60WB/UAI4V61WB



1080P



12x Optical Zoom



MIMO



AI Smart Tracking



Wireless

Designed for wireless shooting, this camcorder features 1080P image quality and an ultra-long zoom lens, paired with long-range wireless transmission to capture broader scenes and reproduce every detail. With wireless connectivity, it unleashes creative freedom and is suitable for online streaming, sports events, and more.



Features

▼ 1080P Full HD

Utilizing a 1/2.8-inch, high-quality CMOS sensor with a maximum of 2.07 million pixels, this camera can achieve high-resolution images at 1920*1080@60fps.

▼ Optical Zoom + Wide-Angle Lens

V60WB: It utilizes a high-quality ultra-high-resolution 61.1° lens with 20x optical zoom and supports 16x digital zoom.

V61WB: It utilizes a high-quality ultra-high-resolution 72.5° lens with 20x optical zoom and supports 16x digital zoom.

▼ Single-lens humanoid tracking

With the help of the AI computing power of the chip, the camera is equipped with advanced AI algorithms to realize monocular humanoid tracking, which can realize automatic tracking of scenes such as education, conferences and live broadcasts.

▼ Remote control

A variety of control methods, support wireless, RS485 serial port, network and USB, to control the camera.

▼ Built-in OLED display

It can display output resolution, battery power, wireless signal strength, camera status, IP address and other information.

▼ Standard lens hood

The standard lens hood is equipped with a lens hood, which can suppress the halo of the picture and prevent stray light from entering the lens. It is especially suitable for wireless shooting in outdoor sunlight exposure environments.

▼ Built-in high-capacity lithium battery

Built-in 9450mAh ultra-large capacity lithium battery, continuous energy, low power consumption design, 6h long-lasting battery life.

Product Specification

▼ Difference

	V60WB	V61WB
Lens	20x,f4.7mm~94mm,F1.6-F3.6	12x,f3.5mm~42.5mm,F1.8-F2.8
Horizontal FOV	61.1° ~3.5°	72.5° ~6.9°
Vertical FOV	35.8° ~2.0°	44.8° ~3.9°

▼ Camera Spec

Signal System	1080 60P, 30p, 25p
Sensor	1/2.8 inches, CMOS, effective pixels: 2.16 million
Scanning Mode	Progressive
Lens	12x, f = 4.1mm ~ 49.2mm, F1.8 ~ F2.68
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight	Support
Compensation	Digital 2D&3D Digital Noise Reduction
Noise Reduction SNR	≥55dB
Horizontal field of view	70.28° ~ 6.57°
Vertical field of view	42.06° ~ 3.76°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 35.7°/s
Tilt Speed	2.7° ~ 31.5°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Hood	Support

▼ I/O

USB Interface	1 x USB 3.0, Type-C
HD Output	1 x HDMI 1.4b
Network Interface	1 x RJ45: 10M/100M adaptive Ethernet
Audio Interface	1 x LINE IN, 3.5mm Jack 2 x Built -in microphone 1 x RS485 In(Optional): 3pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
Control Interface	
Power Interface	JEITA type (DC IN 12V)
Reset Button	Pinhole RESET
Remote Control Receiving Switch	Support button
Display	Can display information such as output resolution, battery power, wireless signal strength, camera status, IP address and other information

▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Second Stream Resolution	1920x1080, 1280x720, 1024x576, 720x576, 720x480, 720x408, 640x360, 480x270, 320x240, 320x180
Video Bit Rate	32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps ~ 60fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	9Kbps, 128Kbps, 256Kbps
Protocol	TCP/IP, HTTP, RTSP, NDI, RTMP, Onvif, DHCP, Multicast etc.

▼ USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	YUY2 (isochronous mode): up to 1080P@60fps MJPEG: up to 1080P@60fps H.264 AVC: up to 1080P@60fps
USB Audio	UAC1.0
USB Video	UVC 1.1
UVC PTZ Control	Support

▼ Wireless Features

Wireless	5.15~5.35GHz, 5.425~5.725GHz, 5.745~5.850GHz
Transmission Power	27dBm
Antenna Mode	2*2MIMO, Beamforming
Channel Bandwidth	20/40MHz channel width selection
Modulation Mode	OFDM
Data Rate	max to 300Mbps
Network Mode	point-to-point, point-to-multipoint
Penetration	1~2 walls
Transmission Distance	200 meters (for longer distances, higher gain antennas can be used)
Protocol	802.11a/n

▼ General Specification

Input Voltage	DC 12V
Input Current	3.0A
Battery	9450mAh
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	36W (Max.)
Dimension	143mm (W) x 189.3mm (D) x 201.6mm (H)
Net Weight	1.9kg

- 1 RESET
- 2 DC 12V
- 3 RS485
- 4 HDMI
- 5 USB
- 6 LINE IN
- 7 LAN
- 8 ON/OFF

Interface Diagram

