Wireless camera

4K Wireless Professional PTZ Camera VUAI4X60WB / UAI4VX61WB











4K wireless PTZ camera, equipped with ~20X lens and high quality 4K CMOS sensor, support a precise body tracking with the advanced AI capability. Support multiple cameras transmission with 4K resolution, up to 200 meters transmission, built-in battery, minimal configuration and setting.



Features

▼4K UHD

Featuring a high-quality UHD CMOS sensor, it can deliver excellent images at 4K (3840×2160) ultra-high resolution. It is also compatible with various resolutions such as 1080P and 720P.

▼ Super Telephoto Lens

VX60WB: 20× ultra-long optical zoom lens;

VX61WB: 12× optical zoom lens;

Both support a $16 \times \text{digital zoom}$, night vision mode, and automatic switching of the infrared filter.

▼ AI Smart Tracking

With the built-in AI capability and algorithms, camera can support multiple tracking modes, including body tracking, hybrid tracking and etc.

▼ Non-compressed video stream

HDMI1.4b I/O, can output non-compressed video stream.

▼ Wireless Transmission

Stable and reliable wireless transmission, it supports 2x2 MIMO and transmitter beamforming technology, the maximum transmission rate is 300Mbps, the penetration is strong, and the transmission distance is as far as 200 meters. It supports automatic search and intelligent configuration, high transmission efficiency.

▼ Remote Control

Support multiple ways of control, like Wireless, RS485, Network and USB.

▼ H.264 Slice Coding Support

Output H.264 code current supports SLICE coding mode to adapt to high -end USB conference video applications.

▼ Built -in OLED Display Screen

Can display information such as output resolution, battery power, wireless signal strength, camera status, IP address and other information.

▼ Standard Lens Hood

Standard lens hoods. Use a hood to inhibit the halo of the screen, avoid mixed light into the lens, and especially adapt to wireless shooting needs of the outdoor sunlight.

▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

▼ Large -capacity Lithium Battery

The built -in 9450mAh ultra -large -capacity lithium battery has continuous energy, low power design, and 6H lasting battery life.

▼ USB Type-C

Compatible with USB3.0 and USB2.0. Support UVC1.1 and UAC1.0 protocols, support video original images and encoding image output.

▼ Three Power Supply Methods

At the same time, 12V power adapters, Type-C and built-in battery power supply.

Product Specification

▼ Difference VX60WB

Sensor	1/1.8 inches, CMOS, Effective Pixel: 8.42 Megapixels	1/2.5 inches, CMOS, Effective Pixel: 8.51 Megapixels
Lens	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95	12x, f = 4.4mm ~ 51.1mm, F1.8 ~ F2.6
Horizontal FOV	60° ~ 3.5°	70.1°~7.4°
Vertical FOV	35.7° ~ 2.0°	40.7° ~4.2°

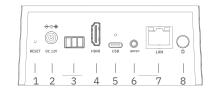
▼ Camera Spec

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Signal System	4K/30p, 25p 1080/ 30p, 25p
Scanning Mode	Progressive
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 Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 35.7°/s
Tilt Speed	2.7° ~ 31.5°/s
Image Flip	Support
Automatic ICR (Automatic Switching of Infrared Filter)	Support
Preset Position	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Hood	Support

V I/O

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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
Control Interface	Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
Power Interface	JEITA type (DC IN 12V)
Reset Button	Pinhole RESET
Remote Control Receiving	Support
Switch	button
	Can display information such as output resolution,
Display	battery power, wireless signal strength, camera status, IP address and other information

(Interface Diagram



▼ Network Spec

Video Compression	H.265 / H.264 / MJEPG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160,1920x1080,1280x720 etc.
Second Stream Resolution	1920x1080,1280x720,1024x576,720x576 etc.
Video Bit Rate	32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~25fps, 60Hz:1fps~30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocol	$\label{total-continuous} {\tt TCP/IP,HTTP,RTSP,NDI,RTMP,Onvif,DHCP,Multicas} \\ {\tt t,etc.}$

VX61WB

▼ USB Spec

▼ 03B 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: Max.1440P30; MJPEG: Max.2160P30, H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30
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	, and the second	
Modulation Mode	20/40MHz OFDM	
Data Rate		
Network Mode	max to 300Mbps	
Penetration	point-to-point, point-to-multipoint	
Transmission Distance	1~2 walls	
Protocol	200 meters 802.11a/n	

11010001	802.11a/n	
▼ General Specif	ication	
Input VoltageDC 12V		
Input Current3.0A		
Battery 9450mAh		
Operating Temperature-	10°C ~ 40°C	
Storage Temperature-40	°C ~ 60°C	
Power Consumption36W	(Max.)	
Dimension143mm (V	V) x 189.3mm	(D) x 201.6mm (H)
Net Weight1.9kg		
1 RESET 5 USB 2DC 12V6LINE IN 3 RS485 7 LAN	_	
4 HDMI 8 ON/OFF		41