

# 4K Wireless Professional PTZ Camera

90482-950

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**  
 Use a high-quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.
- 20xOptical Zoom+60° Wide-angle Lens**  
 4K optical lens, support max 20x optical zoom and 60° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.
- 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

### Camera Spec

Signal System	4K/30p, 25p 1080/ 30p, 25p
Sensor	1/1.8 inches, CMOS, Effective Pixel: 8.42 Megapixels
Scanning Mode	Progressive
Lens	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95
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
Horizontal FOV	60° ~ 3.5°
Vertical FOV	35.7° ~ 2.0°
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

### 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
Control Interface	1 x RS485 In(Optional): 3pin phoenix port, Max 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
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	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	TCP/IP, HTTP, RTSP, RTMP/RTMPS, Onvif, DHCP, SRT, GB/T 28181, 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: 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	20/40MHz
Modulation Mode	OFDM
Data Rate	max to 300Mbps
Network Mode	point-to-point, point-to-multipoint
Penetration	1-2 walls
Transmission Distance	200 meters
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	143mmx189.3mmx201.6mm
Net Weight	1.9kg

## Interface Diagram



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