**Amdox**

# 4K Wireless PTZ Camera WX-CAM

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## product features

### Single lens humanoid tracking

With the AI computing power of the chip, the camera is equipped with advanced AI algorithms to achieve monocular humanoid tracking, which can realize automatic tracking in education, conference and live broadcast scenarios.

### 20x optical zoom +60. Wide Angle lens

Featuring a high-quality ultra-high resolution 4K telephoto lens with 20x optical zoom and a 60° field of view, this camera supports night vision mode with automatic infrared filter switching. It also offers 16x digital zoom capability.

### Wireless transmission

Stable and reliable wireless transmission, 2x2 MIMO and transmitter beamforming technology, maximum transmission rate of 300Mbps, strong penetration, transmission distance up to 200 meters. With automatic search and intelligent configuration function, high transmission efficiency.

### Built-in OLED display

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

### Standard lens shade

The standard lens shade can be used to suppress the light halo of the picture and avoid the entry of stray light into the lens, which is especially suitable for the wireless shooting needs of outdoor sunlight environment.

### Built-in large capacity lithium battery

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

### Three ways to supply electricity

It also supports a 12V power adapter, Type-c and built-in battery power.

# Product Parameter

## camera

| | |
|---|---|
| signal system | 4K/30p, 25p  1080/ 30p, 25p |
| sensor | 1/1.8 inch, CMOS, effective pixels: 8.42 million |
| scanning mode | non inter-laced |
| camera lens | 20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95 |
| Digital zoom | 16x |
| minimal illumination | 0.5Lux @ (F1.8, AGC ON) |
| shutter | 1/30s ~ 1/10000s |
| white balance | Auto, Indoor, Outdoor, One-Click, Manual, Specified Color Temperature |
| Backlight compensation | support |
| Digital noise abatement | 2D&3D digital noise reduction |
| noise-signal ratio | ≥55dB |
| Horizontal field of view | 60° ~ 3.5° |
| Vertical field of view | 35.7° ~ 2.0° |
| Horizontal rotation range | ±170° |
| Vertical rotation range | -30° ~ +90° |
| Horizontal rotation speed range | 2.7° ~ 35.7°/s |
| Vertical rotation speed range | 2.7° ~ 31.5°/s |
| Horizontal and vertical flips | support |
| Automatic ICR (infrared filter automatic switching) | support |
| Night vision mode | support |
| freeze frame | support |
| Number of preset bits | 255 |
| Precision of preset positions | 0.1° |
| lens hood | support |

## USB characteristic

| | |
|---|---|
| Support operating system | Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android |
| Color Spaces / Compression | YUY2 / MJPEG/ H.264 |
| Video format | YUY2 (equal time mode): Maximum 1440P@30fps MJPEG: Maximum 2160P@30fps H.264 AVC: Maximum 2160P@30fps |
| USB audio frequency | UAC1.0 |
| USB video frequency | UVC 1.1 |
| UVC PTZ control | support |

## network characteristic

| | |
|---|---|
| Video coding standards | H.265/H.264/MJEPG |
| video bitstream | First and second streams |
| First code stream resolution | 3840x2160,1920x1080,1280x720,1024x576,960x540,640x480,640x360 |
| Second code stream resolution | 1920x1080,1280x720,1024x576, 720x576, 720x480,720x408,640x360, 480x270,320x240,320x180 |
| Video bit rate | 32Kbps ~ 20480Kbps |
| Bit rate control | Variable bit rate, fixed bit rate |
| frame rate | 50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps |
| Audio Compression Standard | AAC |
| Audio bit rate | 96Kbps, 128Kbps, 256Kbps |
| Supporting agreements | TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, multicast and so on |

## Wireless features

| | |
|---|---|
| Wireless approach | 5. 15~5.35GHz, 5.425~5.725GHz and 5. 745~5. 850GHz |
| transmitting power | 27dBm |
| Antenna approach | 2*2MIMO,Beamforming |
| channel bandwidth | Selection of 20/40MHz channel width |
| Modulation pattern | OFDM |
| Transmission data rate | Maximum 300Mbps |
| Network model | Peer-to-peer, peer-to-multipoint |
| force of penetration | 1-2 wall |
| transmission distance | 200 US (for longer distances, you can use a higher gain antenna) |
| standard agreement | 802.11a/n |

## inputoutput interface

| | |
|---|---|
| USB joggle | *1 USB 3.0, Type-C socket |
| HD output | *1  HDMI 1.4b |
| Audio interface | *1 LINE IN,3.5mm audio interface,* 2  Built-in microphone |
| communication interface | *1 RS485 In (optional): 3-pin Phoenix connector, maximum distance: 1200 m, VISCA/Pelco-D/Pelco-P protocol |
| Power interface | JEITA type (DC IN 12V |
| Reset button | pinhole RESET |
| Remote reception | Support infrared remote control |
| mains switch | key |
| display screen | It can display output resolution, battery power, wireless signal strength, camera status, IP address and other information |

## General norms

| | |
|---|---|
| input voltage | DC 12V |
| input currenton | 3.0A |
| cell | 9450mAh large capacity rechargeable lithium battery pack |
| working temperature | -10℃ ~ 40℃ |
| Storage temperature | -40℃ ~ 60℃ |
| power dissipation | 36W (maximum) |
| mean free error time | >30000 hours |
| size | 143x189.3x201.6mm |
| net weight | About 1.9kg |