



Functional description:

- 1.Leveraging the AI computing power of the chip, the camera is equipped with advanced AI algorithms to achieve monocular human tracking, enabling automatic tracking in scenarios such as education, conferences, and live streaming.
 - 2.The built- in OLED display can show information including output resolution, battery level, wireless signal strength, camera status, and IP address.
 - 3.Video formats: YUY2 (isochronous mode): up to 1440P@30fps; MJPEG: up to 2160P@30fps; H.264 AVC: up to 2160P@30fps.
- A lens hood is included as standard. Using the hood can suppress lens flare and prevent stray light from entering the lens, making it particularly suitable for wireless shooting in outdoor environments exposed to direct sunlight.

Technical specifications:

Sensor	1/1.8- inch CMOS, 8.42MP effective pixels
Scanning Mode	Progressive
Lens	20x optical zoom, f = 6.25 mm ~ 125 mm, F1.58 ~ F3.95
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30 s ~ 1/10000 s
White Balance	Auto / Indoor / Outdoor / One- Push / Manual / Custom Color Temperature
Backlight Compensation	Supported
Digital Noise Reduction	2D & 3D
Signal- to- Noise Ratio	≥ 55 dB
Horizontal Field of View	60° ~ 3.5°
Vertical Field of View	35.7° ~ 2.0°
Horizontal Pan Range	±170°
Vertical Tilt Range	-30° ~ +90°
Horizontal Pan Speed	2.7°/s ~ 35.7°/s
Vertical Tilt Speed	2.7°/s ~ 31.5°/s
Image Flip	Supported
Night Vision	Supported
Image Freeze	Supported
Presets	255
Preset Accuracy	0.1°
Sunshade	Supported
Supported OS	Windows 7/8/10/11, Mac OS X, Linux
Color Space / Compression	YUY2 / MJPEG / H.264
Video Formats	YUY2 (Isochronous): up to 1440P30; MJPEG: up to 2160P30; H.264 AVC: up to 2160P30
USB Audio	UAC 1.0
USB Video Protocol	UVC 1.1
UVC PTZ Control	Supported
Video Encoding	H.264 / H.265 / MJPEG
Video Streams	Primary stream, Secondary stream
Primary Stream Resolution	3840×2160, 1920×1080, 1280×720, 1024×576, 960×540, 640×480, 640×360
Secondary Stream Resolution	1920×1080, 1280×720, 1024×576, 720×576 (50Hz), 720× 480 (60Hz), 720×408, 640×360, 480×272, 320×240, 320× 180
Bitrate	32 Kbps ~ 20480 Kbps
Bitrate Control	VBR / CBR
Frame Rate	50Hz: 1 fps ~ 25 fps; 60Hz: 1 fps ~ 30 fps
Audio Compression	AAC
Audio Bitrate	96 Kbps, 128 Kbps, 256 Kbps
Supported Protocols	TCP/IP, HTTP, RTSP, RTMP(S), ONVIF, DHCP, Multicast, etc.
Wireless Frequency Bands	5.18 GHz ~ 5.24 GHz; 5.745 GHz ~ 5.825 GHz
Transmit Power	27 dBm
Antenna	2×2 MIMO with beamforming
Channel Bandwidth	20 / 40 MHz
Modulation	OFDM

Data Rate	Up to 300 Mbps
Network Mode	Point- to- Point, Point- to- Multipoint
Penetration	1~2 walls
Transmission Distance	200 m (longer distance possible with higher- gain antennas)
Standard	802.11a/n
USB Interface	1× USB Type- C
Video Interface	1× HDMI 1.4b
Network Interface	1× LAN (10/100 Mbps)
Audio Interface	1× LINE IN (3.5 mm); 2× built- in microphones
Communication Interface	1× RS485 (3- pin Phoenix, max 1200 m, VISCA/Pelco - D/Pelco- P)
Power Interface	JEITA (DC IN 12V)
Reset	Pinhole RESET
Input Voltage	DC 12V
Input Current	3.0 A
Battery	9450 mAh
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	36 W (max)
Dimensions (mm)	143 × 189.3 × 201.6
Net Weight	Approx. 1.9 kg
Sensor	1/1.8- inch CMOS, 8.42MP effective pixels
Scanning Mode	Progressive