



Description

This product is a 4MP 23x optical zoom dual-light source network high-definition ball camera, integrated with a high-performance low-light CMOS sensor, supports H.265+/H.264 encoding, and provides high-definition video surveillance. It has infrared + white light dual light source illumination, and can reach up to 120 meters at night. It supports functions such as human automatic tracking, license plate mode, digital wide dynamic, and privacy shielding to ensure clear imaging in complex environments. It is suitable for road monitoring, warehouses, underground parking lots, parks, bars and other places with low or no lighting environments and high-definition image quality, providing all-weather intelligent security solutions.

Features

- *Adopting 4MP 1/2.7" low-light CMOS sensor, the image is clear and delicate.
- *ICR automatic, timed, external, manual switching modes.
- *Automatic electronic shutter, adaptable to different monitoring environments.
- *Supports cloud storage.
- *Supports adjustable brightness, contrast, saturation and sharpness.
- *Supports backlight compensation, strong light suppression, and license plate mode.
- *Supports normal image mode and anti-face overexposure mode.
- *Supports digital wide dynamic, 2D/3D noise reduction, and automatic and manual white balance.
- *Supports horizontal/vertical image mirroring.
- *The horizontal rotation range is 0°-360°, and the vertical rotation range is -0°-90°.
- *Horizontal manual control speed: 0.1°~80°/s; vertical manual control speed 0.1°~80°/s.
- *Supports 128 preset position storage.
- *23x optical zoom, 20x autofocus lens, 4.8~110mm focal length continuous zoom lens.
- *H.265+/H.265/H.264 video compression technology, high image quality, low bit rate.
- *Supports mobile phone remote monitoring (iOS, Android).
- *Multi-browser access (IE, Chrome, Firefox, Safari).
- *Supports information overlay (such as title, resolution, bitrate, time, date information, etc., and the title content can be separated into multiple lines).
- *Supports privacy masking and can be divided into up to 4 areas.
- *Supports CMS, IPCTools, Videolink and cloud services.
- *Supports docking with XVR/NVR/platform.
- *Support standard Onvif and GB-T/28181 protocols.
- *Supports access to RTSP encryption and Onvif encryption.
- *Optional GB/T28181-2016 protocol, Ftp upload, RTMP streaming.



Specification

Sensor type	1/ 2.7 " low illumination CMOS
Sensor type	4MP 1/2.7" low-light CMOS sensor
Minimum illumination	Color: 0.05Lux@(F1.2, AGC ON); Black and white: 0.01Lux@(F1.2, AGC ON), 0 Lux with IR
Shutter	1/50(1/60) sec to 1/10,000 sec
Lenses type	Integrated continuous zoom lens
Day and night mode	Support IR-CUT
Wide dynamic range	≤120dB
Lens focal length	4.8 ~ 110mm, 23x optical zoom
Lens aperture	F1.8 ~ 3.9
Horizontal angle of view	55.4° ~ 3.55°(wide angle-telephoto)
Vertical viewing angle of the lens	31.6° ~ 2°(wide angle-telephoto)
Lens focus angle	62.2° ~ 4.05°(wide angle-telephoto)
Close shooting distance	100-1000mm (wide angle-telephoto)
Lens zoom speed	About 3 seconds (optical, wide-angle-telephoto)
Image maximum image size	Main stream: 2560×1440@25fps; 2304×1296 30@FPS
Image frame rate	PAL:2560×1440@20fps; NTSC:2560×1440@20fps
Image settings	Saturation, brightness, and contrast are adjustable through the client or browser
Image mode	Normal mode, anti-face overexposure mode, license plate mode
Audio input	Built-in -33dB microphone (optional line input)
Audio output	Built-in 4Ω3W speaker (optional linear input)
Audio sampling frequency/bit width	8KHz/16bit
Compression standards	H.265/H.264 video coding compression
Compression output bit rate	0.512Mbps~3.52Mbps
Audio compression standards	G.711/G.711A/AAC
Storage function	Network storage, cloud storage, NVR, NAS
Intelligent alarm	Motion detection, video loss, network disconnection, IP address conflict
Supported agreement	TCP/IP, HTTP, DHCP, DNS, DDNS, PPPoE, SMTP, NTP, (HTTPS, SIP, 802.1x, IPv6 optional)
General functions	Anti-flicker, dual stream, heartbeat, password protection
PTZ horizontal speed	Horizontal keying speed: 0.1°-80°/s, speed can be set; horizontal rotation range 0°-360°
PTZ vertical speed	Vertical keying speed: 0.1°-80°/s, speed can be set; vertical rotation range 0°-90°
Number of PTZ preset positions	128 preset positions, (App 6 pictures storage title preset
Automatic cruise control	1 automatic cruise, 16 preset positions can be set
Pattern scanning	Turn on/off pattern scanning, the longest setting is 180S
Guardian position	Open/close guard position
Humanoid tracking	Humanoid automatic tracking mode
Area scan	Automatic scanning; left and right boundary scanning can be set
Communication interface	110/100Mbps RJ45 port
Power interface	5.5mm×2.5mm standard DC interface Input
Operating temperature	-30°C~ + 65°C
Operating humidity	10%-90% RH
Power supply	DC12V±5%/POE 48V (IEEE802.3at)
Lightning protection	TVS 6KV
Infrared distance	4 850nm infrared lights; 2 laser lights 120 meters
White light distance	3 4300K warm light lamps 50 meters
Power consumption	MAX 18W
Material	Aluminum alloy + ABS engineering plastics
Net weight	About 0.77Kg (without POE adapter) / About 0.83Kg (with POE adapter)
Product size	Ø177mm×340mm