



Description

This product is a 5MP network HD camera, integrated with a high-performance 1/1.8" low-light CMOS sensor, supporting H.265/H.264 encoding, and providing high-definition video surveillance. Built-in microphone, equipped with 4 array infrared fill lights, up to 20 meters at night. The camera supports human/vehicle detection, line crossing detection, area intrusion detection, digital wide dynamic range, privacy masking, and other functions, ensuring clear imaging in complex environments. It is widely used in security monitoring for indoor and outdoor environments such as residential areas, factories, schools, and shopping malls, offering an all-weather intelligent security solution.

Features

1. 1/1.8" low-light CMOS sensor for clear and detailed images.
2. 5 MP; maximum resolution 2880 x 1620 @ 25 fps.
3. Automatic electronic shutter, adaptable to various surveillance environments.
4. Adjustable brightness, contrast, and saturation.
5. Digital wide dynamic range, 2D/3D noise reduction, and automatic/manual white balance.
6. Supports flip/mirror.
7. Built-in 4 infrared LED arrays, with a maximum fill light distance of 20 meters.
8. Built-in microphone.
9. Supports H.264/H.265 video compression standards and supports resolutions up to 2880×1620 @ 25fps real-time video.
10. Supports pedestrian/vehicle detection, boundary crossing detection, and area intrusion detection, with alarm information reported to the backend.
11. Supports information overlay (such as title, time, and date).
12. Supports privacy masking for up to four zones.
13. Supports standard Onvif and GB28181-2016 protocols.
14. Supports proprietary protocols from major manufacturers and can be integrated with numerous large-scale platform management systems both domestically and internationally.
15. Supports POE power supply.
16. Metal housing, IP66 protection rating.



Specification

Sensor type	1/1.8" 5MP CMOS
SNR	≥50dB
Minimum illumination	Color:0.01Lux@F1.0
Digital wide dynamic range	≤80dB
Electronic shutter	1/3 second to 1/10,000 second
Day and night mode	Passive method
Lens type	Fixed-focus lens
Lens focal length	3.6 mm
Lens aperture	F1.0
Focal length & field of view	
Image Mode	Normal mode°
UTC	support
Lens focal length	Lens focal length: 3.6mm, lens horizontal angle of view: 78°, lens vertical angle of view: 40°, lens focus angle of view: 93°
Image frame rate	Main stream: 2880×1620@25FPS, 2560×1440, 1920×1080; Sub stream: 704×576, 640×480
Image settings	Saturation, brightness, and contrast can be adjusted through the client or web
Backlight compensation	Support
Noise reduction	Support 2D/3D noise reduction
Audio Input/output	Built-in microphone (sensitivity 33±3dB) , Built-in speaker (2W/8Ω)
Audio sampling frequency/bit width	8KHz/16bit
Video compression encoding	H.265/H.264 video coding compression
Compression bit rate	Support dual stream; support CBR/VBR bit rate, 512kbit/S~5120kbit/S adjustable
Audio compression coding	G.711U/G.711A/ACC encoding
Compatible protocols	Supports HTTP, FTP, TCP/IP, IPv4, DHCP, NTP, RTSP, QOS and other network protocols; supports ONVIF Profile SG standard protocol, realizes docking with mainstream brand NVR back-end private protocol, supports GB/T28181 national standard protocol
Privacy Masking	Supported, the maximum number of regions is 4
Smart events	Supports pedestrian crossing detection and area intrusion detection; supports vehicle crossing detection and area intrusion detection
Event	Motion Detection
Power interface	5.5mm×2.5mm standard input
Operating temperature	-10°C ~ +60°C
Operating humidity	10%-95% RH
Power supply	DC12V ±20%/ PoE(802.3af)
Infrared light	Equipped with 4 infrared light LEDs, providing illumination up to a distance of 20 meters
Power consumption	6W
Material	Metal
Product size	173×68.5×68.5mm
Weight	0.4kg