



## Description

This product is a 5MP network HD camera that integrates a high-performance 1/1.8" low-light CMOS sensor, supports H.265/H.264 encoding, and provides high-definition video surveillance. Equipped with 4 array warm light fill lights, it can reach up to 20 meters at night, supports human/vehicle shape detection, cross-border detection, regional intrusion detection, digital wide dynamic, privacy shielding and other functions to ensure clear imaging in complex environments. It is widely used in indoor and outdoor security monitoring places such as communities, factories, schools, and shopping malls, providing all-weather intelligent security solutions.

## Features

- \*Adopting 1/1.8" low-light CMOS sensor, the image is clear and delicate.
- \*5MP; maximum 2880×1620@25fps.
- \*Automatic electronic shutter, adaptable to various monitoring environments.
- \*Brightness, contrast and saturation are adjustable.
- \*Digital wide dynamic range, 2D/3D noise reduction, automatic/manual white balance.
- \*Supports flip/mirror.
- \*Built-in 4 array warm light LEDs, the maximum fill light distance is 20 meters.
- \*Built-in microphone and 2W speaker.
- \*Supports H.264/H.265 video compression standards and supports real-time video with a resolution of 2880×1620@25fps.
- \*It supports pedestrian/vehicle type detection, cross-border detection, and area intrusion detection, and the alarm information can be reported to the back end.
- \*Supports information overlay (such as title, time, date information, etc.).
- \*Supports privacy masking, up to 4 areas.
- \*Support standard Onvif and GB28181-2016 protocols.
- \*It supports private protocols of mainstream manufacturers and can be connected to many large platform management systems at home and abroad.
- \*Supports POE power supply.
- \*Metal housing, IP66 protection grade.



### Specification

Image sensor	1/1.8" 5MP CMOS
Minimum illumination	Color:0.01Lux@F1.0
Signal-to-noise ratio	≥50dB
Digital WDR	≤80dB
Electronic shutter	1/3 sec to 1/10,000 sec
Lenses type	Fixed focal length lens
Day and night mode	Passive method
Lens focal length	3.6mm
Lens aperture	F1.0
Horizontal angle of view	94°
Vertical viewing angle of the lens	48°
Lens focus angle	113°
Maximum image resolution	PAL: 2880×1620@25fps; NTSC: 2880×1620@25fps
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
Image mode	Normal mode
UTC	support
Backlight compensation	support
Noise reduction	Support 2D/3D noise reduction
Audio input	Built-in microphone (sensitivity: 33±3dB)
Audio output	Built-in speaker (2W/8Ω)
Audio sampling frequency/bit width	8KHz/16bit
Video compression coding	H.265/H.264 video coding compression
Compression Bitrate	Support dual stream; support CBR/VBR bit rate, 512kbit/S~5120kbit/S adjustable
Audio compression coding	G.711U/G.711A/ACC Coding
Privacy mask	Supported, the maximum number of regions is 4
Compatible protocols	Support HTTP, FTP, TCP/IP, IPv4, DHCP, NTP, RTSP, QOS and other network protocols; support ONVIF Profile SG standard protocol, realize docking with mainstream brand NVR back-end private protocol, support GB/T28181 national standard protocol
Upgrade	Support local upgrade on WEB side; support batch upgrade on PC side using configuration tool
Event	Motion Detection
Smart events	Support pedestrian crossing detection and area intrusion detection; support vehicle crossing detection and area intrusion detection
Communication interface	110/100Mbps RJ45 network port
Power interface	5.5mm×2.5mm standard input
Fill light	4 warm light LEDs, 20 meters fill light distance
Language	Chinese, English
Operating temperature	-10°C ~ +60°C
Operating humidity	10%-95% RH
Storage temperature and humidity	-20°C ~ +60°C RH95% MAX
Power supply	DC12V±10%/ PoE(802.3af)
Power consumption	MAX 6W
Material	Metal
Product size (L×W×H)	173×68.5×68.5mm
Weight	0.4kg