



IP Camera

TV-8414B



## Description

This product is a 4MP network HD camera, integrated with a high-performance low-light CMOS sensor, supporting H.265/H.264 encoding, and providing high-definition video surveillance. It features white light supplement, with night-time illumination reaching up to 25 meters. 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

- \*Adopting 1/1.8" low-light CMOS sensor, the image is clear and delicate.
- \*4MP; maximum 2560×1440@30fps.
- \*Automatic electronic shutter, adaptable to different monitoring environments.
- \*Brightness, contrast, saturation and sharpness are adjustable.
- \*DWDR, 2D/3D NR, AWB/Manual White Balance.
- \*Supports flip/mirror.
- \*Built-in microphone and speaker.
- \*H.265/ H.264 video encoding.
- \*Supports pedestrian/vehicle type detection, line crossing detection, and area intrusion detection.
- \*Supports information overlay (such as title, time, date information, etc.).
- \*Supports privacy masking, up to 4 areas.
- \*Supports Onvif and GB28181-2016 protocols.
- \*Supports POE power supply; IP66 protection level.
- \*Alarm I/O: 1-channel input, 1-channel output.



## Specification

Sensor type	1/1.8" CMOS
Sensor type	4MP; maximum 2560×1440@30fps
Minimum illumination	Color: 0.01 Lux @(F1.2,AGC ON); 0 Lux fill light on
Shutter	1/3 sec to 1/10,000 sec
Lenses type	Fixed focal length lens
Day and night mode	Passive method
Wide dynamic range	Digital wide dynamic range
Lens focal length	4mm
Lens aperture	F1.0
Horizontal angle of view	94°
Vertical viewing angle of the lens	48°
Lens focus angle	113°
Image maximum image size	Main stream: 2880×1620, 2560×1440, 1920×1080; Sub stream: 704×576, 640×480, 352×288
Image frame rate	PAL/NTSC:2560×1440@25fps; 2560×1440@30fps
Image settings	Saturation, brightness, sharpness and contrast adjustable
Image mode	Normal mode
Audio input	Built-in microphone
Audio output	Built-in speakers
Audio sampling frequency/bit width	8KHz/16bit
Compression standards	H.265/H.264 video coding compression
Compression output bit rate	0.32Mbps~6.144k Mbps
Audio compression standards	G.711U/G.711A
Storage function	Network storage, NVR
Compatible protocols	Supports network protocols such as HTTP, FTP, TCP/IP, IPv4, DHCP, NTP, RTSP, QOS, and others. It also supports ONVIF Profile SG standard protocol for integration with mainstream brand NVRs using their private protocols and is compatible with GB/T 28181 national standard protocol
Event	Motion detection
Smart events	Supports pedestrian crossing detection and area intrusion detection; supports vehicle crossing detection and area intrusion detection
Communication interface	110/100Mbps RJ45 network port
Power interface	5.5mm×2.5mm standard input
Alarm	1-channel input, 1-channel output
Operating temperature	-20°C- + 50°C
Operating humidity	10%-90% RH
Power supply	DC12V ±20%/ PoE(802.3af)
Fill Light	Equipped with 3 white light LEDs, providing illumination up to a distance of 15 meters
Power consumption	6W
Material	Metal
Product size	φ121.5×96.5 (mm)
Weight	0.62Kg