Description

The AI-powered network camera integrates advanced facial recognition and intelligent detection functions. Equipped with a high-sensitivity 1/2.8" CMOS sensor, large-aperture F1.0 lens, and true 140 dB WDR technology, it delivers clear and detailed images in both daytime and low-light environments.

Powered by a high-performance dual-core processor and professional SenseTime facial recognition algorithm, the camera supports large-capacity face database management and real-time face capture. With built-in infrared illumination, two-way audio, alarm I/O, and extensive protocol support, it is suitable for access control, video intercom, and smart security applications.

Main Features

- High quality imaging with 5 MP resolution

- Large-aperture F1.0 lens for excellent low-light performance

- 140 dB true WDR technology

- Built-in infrared illumination for day/night monitoring

- Powered by SenseTime professional facial recognition algorithm

- Supports up to 20,000 face templates

- Supports up to 100,000 face capture records

- Intelligent analytics: face detection, human detection, and panoramic snapsho

- Built-in microphone and speaker, supports two-way audio intercom

- Alarm input and output supported

- Supports PoE (IEEE 802.3af)

- Supports ONVIF, GB28181, GAT1400, RTSP, HTTP, and WebSocket

- Open SDK supported for secondary development

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Specification

Camera

Image Sensor	1/2.8" Progressive Scan CMOS
Resolution	2592 × 1944
Minimum Illumination	Color: 0.005 Lux @ (F1.6, AGC ON) BW: 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Day & Night	IR-cut filter with automatic switching
WDR	140 dB

Lens

Lens Type	Motorized varifocal lens
Focal Length	2.8–12 mm
Aperture	F1.0
Mount	M12

Illuminator

IR Illumination	Built-in
Warm Light	4 pcs
Distance	Up to 20 m

Intelligent Analytics

Facial Detection	Supported
Face Database Capacity	Up to 20,000 faces
Face Capture Records	Up to 100,000
Other Analytics	Human detection, panoramic snapshot upload

Audio

Audio Input	Built-in microphone
Audio Output	Built-in speaker / RCA output
Two-way Audio	Supported

Video

Video Compression	H.265 / H.264
Main Stream	5MP@20FPS;4MP@25FPS 3MP@25FPS;1080P@25FPS

Network

Interface	1 × RJ45, 10/100 Mbps self-adaptive Ethernet
Protocols	HTTP, HTTPS, TCP/IP, UDP, RTP, FTP, RTCP, RTSP, NTP, DHCP, DNS, DDNS, SNMP, SSL/TLS, WebSocket, UPnP, PPPoE
Browser	IE10, IE11, Edge, Chrome, Firefox
ONVIF	Optional
GB/T Protocols	GB28181, GAT1400

Alarm

Alarm Input	1 channel
Alarm Output	1 channel
Alarm Trigger	Human detection, area intrusion

General

Power Supply	DC 12 V / PoE
Material	Plastic
Dimensions	140 × 107 × 107 mm
Weight	650g
Working Temperature	-30 °C to +60 °C
Humidity	≤95% RH
Installation	Wall / Ceiling

Dimension

107mm

140mm

107mm

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