

D3050-10-I-P(2.8 mm)

1T 5MP IR AI Fixed Dome Camera

Indoor Application



Features

- ▶ 1 TOPS computing power
- ▶ Supports heat map, behavior analysis, crowd flow analysis, and face and body detection
- ▶ 1/2.7" CMOS sensor
- ▶ 120 dB super wide dynamic range (WDR), ensuring that both foreground and background objects are clearly identified in environments with sharp light contrast


Technical Specifications

Model D3050-10-I-P(2.8mm)		
Major Specifications		
Main control	CPU	Hi3516D V300
	Computing power	1 TOPS
	Memory	DDR3 0.5 GB
	Flash type	SPI NAND Flash 256.0 MB
	Max capacity	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB
Camera	Image sensor	1/2.7" CMOS 5MP 2560(H)*1920(V)
	Focal length	2.8mm
	Max f-number	F1.6
	Lens aperture type	Fixed iris
	Angle of view	Horizontal: 96.8°; vertical: 70.5°
	IR range	30m
Intelligence		
Face/Body	Face	Face detection, Facial attribute recognition
	Person	Person detection
Other intelligences	Behavior analysis	Fast movement, Tripwire crossing, Intrusion, Area entry or exit, Loitering
	Crowd flow analysis	Queue length, Head counting, Crowd flow statistics
	Audio anomaly	Sudden volume increase or decrease
	Heat map	Supported
	Scene change	Supported
	Defocus	Supported
Open ecosystem		
Data openness	Data openness	SDK (proprietary protocol), REST API (proprietary protocol), GA/T 1400, GB/T 28181
Image		
Codec	Video encoding format	MJPEG/H.264/H.265
	Video encoding channels	Triple streams
	Video frame rate	20 fps by default at 5 megapixels; 30 or 25 fps configurable at a resolution lower than 4 megapixels
	Intelligent encoding	Extra265/264
Image ISP	Min illumination	Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or 0 lux (infrared illuminator enabled)
	Day/Night mode	Auto (ICR), color, or B/W
	White balance	Auto/Manual/OnePush
	Digital noise reduction	2D/3D noise reduction

	WDR	120 dB
	Highlight compensation	Supported
	Defogging	Supported

Networking

Network transmission	Protocols supported by IPv4	TCP, UDP, IPv4, IPv6, DHCP, DHCPv6, DNS, ICMP, ICMPv6, IGMP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP (V1/V2/V3), 802.1x, QoS, DDNS, SMTP, and PPPoE Note: 1. The DDNS uses the Oray (www.oray.com) scheme. 2. The northbound protocol needs to adapt to the PPPoE dialup scenario.
	Protocols supported by IPv6	HTTPS, RTP, RTCP, RTSP

Security

Data security	Media security	Supports web- or SDK-based media stream encryption; supports a maximum of two channels of encrypted media streams; supports encrypted data storage on SD cards
Service security	User rights	Three user roles: administrator, advanced operator, and common operator
	Security mode	User name and password authentication, 802.1X authentication, and HTTPS digital certificate
	Secure boot	Supported
	System intrusion detection	Supported

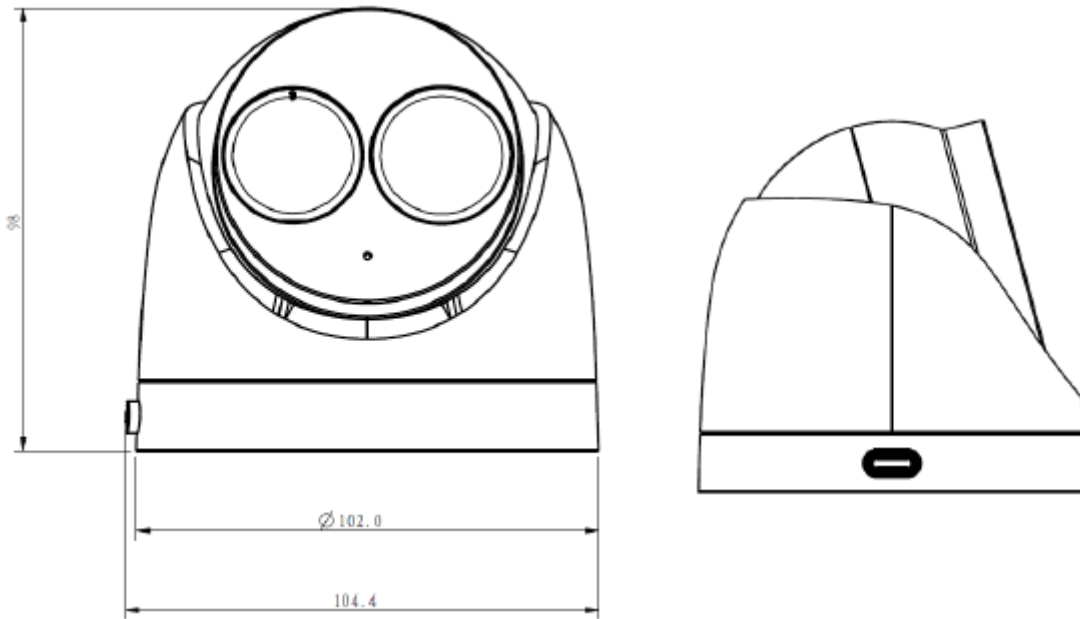
Port

Storage port	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB
Network port	One RJ45 10M/100M adaptive Ethernet port
Audio port	Audio-in portSupported (one-channel built-in MIC)

General Specifications

Power type	12 V DC and PoE (IEEE 802.3af)
Power consumption	Maximum: 5.8 W; typical: 3.3 W
Operating temperature	-30°C to +60°C
Operating humidity	5% to 95% (non-condensing)
Surge protection	2 kV
IP rating	IP67
Weight	Net weight 0.38 kg;Gross weight 0.5 kg
Dimensions	Device dimensions ϕ 104 mm x 98 mm;Package dimensions 115 mm x 125 mm x 113 mm

Dimensions



Recommended Accessories





ACC3311



ACC3321

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Huawei Technologies Co., Ltd.

Huawei Industrial Base, Bantian,
Longgang, Shenzhen, China

Tel: (0755) 28780808

Zip code: 518129