

HWT-C3050-10-LI- PV(3.6mm)

1T 5MP Double Light Full-Color Alert AI
Fixed Dome Camera

Indoor Application



Features

- ▶ 1TOPS computing power
- ▶ Supports behavior analysis, crowd flow analysis, and target and person detection
- ▶ Supports backlight adaptation and overcast adaptation
- ▶ 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
- ▶ Various light compensation modes, such as starlight, SuperColor, and intelligent light compensation
- ▶ Built-in dual microphones and speaker for voice intercom
- ▶ Preset voice announcements for varied scenes and allow for custom audio file import

Technical Specifications

Model		HWT-C3050-10-LI-PV(3.6mm)				
Major Specifications						
Main control	Computing power	1TOPS				
	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	Focal length	3.6mm				
	Max Aperture	F1.6				
	Image sensor	1/2.7" CMOS/5MP 2560(H)*1920(V)				
	Lens aperture type	Fixed iris				
	Angle of view	Horizontal: 78.8°; vertical: 55.9°				
	IR range	30m				
	Illumination distance	20m				
	Digital Zoom	Not Supported				
	DORI (Complied to the EN 62676-4)		D(m)	O(m)	R(m)	I(m)
		W	79.4	32.0	15.9	7.9
Intelligence						
Target/Body	Target	Target detection/Target attribute recognition				
	Person	Person detection				
Other intelligences	Behavior analysis	Fast movement/Tripwire crossing/Intrusion/Area entry or exit /Loitering/Battery Vehicle Detection				
	Crowd flow analysis	Queue length/Head counting/Crowd flow statistics				
	Defocus	Supported				
	Alarm information	No SD card; SD card full; SD card error; Network disconnection; Defocus detection; IP Address Conflict Detection;				
Open ecosystem						
Data openness	Data openness	SDK (proprietary protocol)/REST API (proprietary protocol)/GA/T 1400/GB/T 28181 (2011, 2016)/ONVIF Profile S/G/T				
Image						
Codec	Video encoding format	MJPEG/H.264/H.265				
	Video encoding channels	Triple streams				
	Intelligent encoding	Extra265/264				
	Video frame rate	5-megapixel: 20 fps; < 5-megapixel: 30 fps or 25 fps				
Image AI	Scene adaptation	Backlight adaptation/Overcast adaptation				
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	Supported; automatic (ICR), color, B/W, or scheduled (default: automatic) Sensitivity level: high (default), medium, and low Image triggering/Internal triggering				
	WDR	120 dB				

Image ISP

White balance	Auto/Manual/OnePush
HLC/BLC	Supported/Supported
Digital noise reduction	2D/3D noise reduction
Shutter speed	Supports slow shutter. Slow shutter speed levels: 1/3, 1/4, 1/8, 1/12, 1/15 Non-slow shutter speed levels: 1/25, 1/30, 1/50, 1/60, 1/90, 1/100, 1/120, 1/125, 1/180, 1/250, 1/350, 1/500, 1/725, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000, 1/30000, 1/100000, custom Default: 1/25
Signal-to-Noise Ratio(SNR)	>45dB
Primary stream resolution	2560×1920(5MP),2560×1440(4MP),2048×1536(3MP),1920×1080(1080P),1280×720(720P)
Secondary stream resolution	Secondary stream 1: 720 x 576 (PAL), 720 x 480 (NTSC), 352 x 288 (PAL), 352 x 240 (NTSC) Secondary stream 2: 352 x 288 (PAL), 352 x 240 (NTSC)
Video bit rate	Only for H.264 and H.265: 1080P~4K 512Kbps ~ 16Mbps 720P 384Kbps ~ 8Mbps D1 256K ~ 4Mbps CIF 32K ~ 1Mbps
Smart Illumination	Not Supported
Alarm information	No SD card; SD card full; SD card error; Network disconnection; Defocus detection; IP Address Conflict Detection;
Optical Defogging/Algorithm-assisted Defogging	Not supported/Supported
EIS	The function is not supported. Sensitivity levels are not supported.

Audio

Audio	Audio Encoding Format	G.711a/G.711u/G.726/OPUS
Audio	Audio sampling rate	G.711a/G.711u/G.726: 8 kHz OPUS: 8/12/16/24/48 kHz
Audio	Audio bit rate	"G.711a/G.711u: 64 kbit/s;G.726: configurable (16/24/32/40 kbit/s);OPUS: configurable (16/24/32/40/64/96/128/160/192/224/256/288 kbit/s)"

Networking

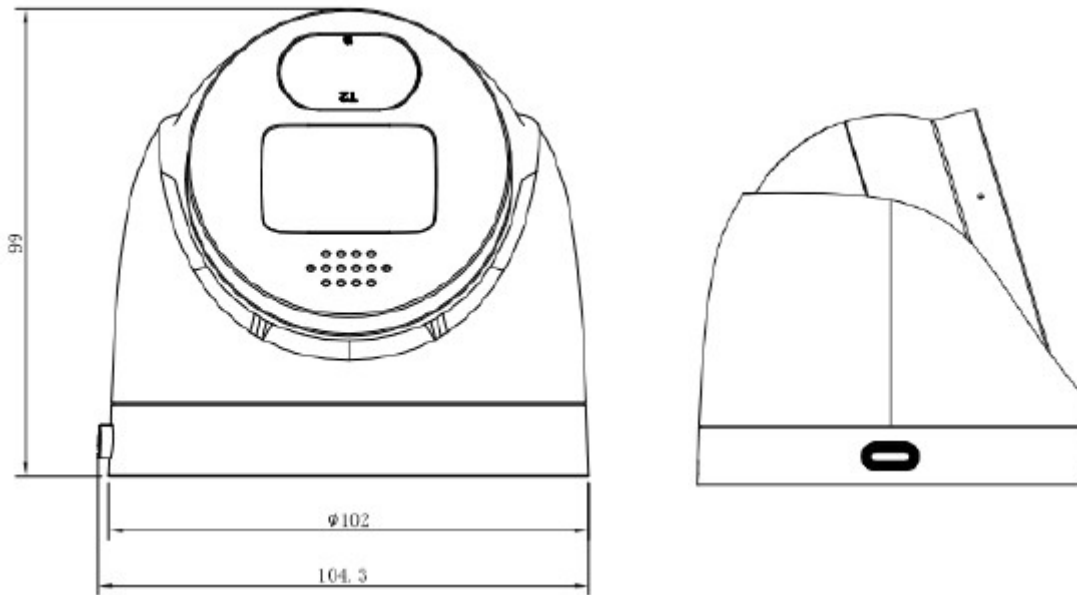
Network transmission	Protocols supported by IPv4	TCP, IPv4, UDP, DHCP, DNS, ICMP, IGMP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP (V1/V2/V3), 802.1X, QoS, SMTP, and PPPOE; Note: The northbound protocol needs to adapt to the PPPoE dialup scenario.
Network transmission	Protocols supported by IPv6	HTTPS,RTP,RTCP,Onvif,RTSP,IPv6,ICMPv6,DHCPv6

Security		
Data security	Media security	Supports web- or SDK-based media stream encryption; supports a maximum of two channels of encrypted media streams; media stream encryption and full intelligence, target recognition, or image upload through SFTP/FTP cannot be enabled at the same time; after the intelligent analysis function is enabled, only one-channel stream encryption is supported; supports encrypted data storage on SD cards.
	Video digital watermark	Supported
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

Port	
Storage port	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB
Alarm port	2 input ports and 1 output port
Network port	One RJ45 10M/100M adaptive Ethernet port
Audio port	Supported (2-channel built-in MIC)/Supported (one-channel speaker)

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
Equipment Anti Corrosion	Class C corrosion resistance
Weight	Net weight 0.38 kg; Gross weight 0.5 kg
Dimensions	Device dimensions φ 104 mm x 98 mm; Package dimensions 125 mm x 113 mm x 115 mm

Dimensions



Recommended Accessories



ACC3311



ACC3321

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