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

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

**Indoor Application** 





- ▶ 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





Major Specifications    Computing power   ITOPS   Memory   DDR3 0.5 GB	311					
Main control   Memory   DDR3 0.5 GB   SPI NAND FLASH 256.0 MB	Model	HWT-C3050-10-LI-P	V(3.6mm)			
Main control    Main control   Flash type   SPI NAND FLASH 256.0 MB	Major Specifications					
Main control   Flash type		Computing power	1TOPS			
Max capacity  Max capacity  MicroSD card slot that supports microSDHC/microSDXC; maximun memory card capacity; 256 GB  Focal length  As Aperture  FL6  Image sensor  1/2.7° CMOS/5MP 2560(H)*1920(V)  Lens aperture type  Angle of view  Horizontal: 78.8°; vertical: 55.9°  IR range  30m  Illumination distance  Digital Zoom  Not Supported  DORI  (Complied to the FN 62676-4)  Target  Target  Target  Target Target detection/Target attribute recognition  Person  Person detection  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  Video encoding format  Video encoding format  MIPEG/H.264/H.265  Video encoding channels  Triple streams  Intelligent encoding  Extra265/264  Video rame rate  S-megapixel: 20 (ps, < 5-megapixel: 30 (ps or 25 (ps  Wintellimination  Backlight adaptation/Overcast adaptation  Limitallumination  Color: 0.005 lux (FL6. AGC ON); B/W: 0.0025 lux (FL6. AGC ON) or		Memory	DDR3 0.5 GB			
Max Capacity   memory card capacity: 256 GB	Main control	Flash type				
Camera  Max Aperture Image sensor Lens sperture type 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)  Target/Body  Target Target Target detection/Target attribute recognition Person Person detection Behavior analysis Other intelligences  Crowd flow analysis Other intelligences  Data openness Data openness  Data openness  Video encoding format Video encoding format Intelligent encoding Extra 265/264 Video encoding channels Image AI Scene adaptation  Min illumination  Fixed iris Fixed iris D(m) D(m) D(m) D(m) R(m) I(m) W 79.4 32.0 15.9 7.9  Target Aborate activibute recognition Fast movement/Tripwire crossing/Intrusion/Area entry or exit //Loitering/Battery Vehicle Detection //Loiter		Max capacity	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB			
Image sensor   1/2.7" CMOS/5MP 2560(H)*1920(V)   Lens aperture type   Fixed iris		Focal length	3.6mm			
Lens aperture type		Max Aperture	F1.6			
Angle of view   Horizontal: 78.8°; vertical: 55.9°		Image sensor	1/2.7" CMOS/5MP 2560(H)*1920(V)			
Angle of view IR range 300  IR range 300  Illumination distance 20m  DoRI DORI DOM O(m) R(m) I(m)  (Complied to the EN 62676-4)  Intelligence  Target/Body Target Target detection/Target attribute recognition  Person Person detection  Behavior analysis Fast movement/Tripwire crossing/Intrusion/Area entry or exit /Loitering/Battery Vehicle Detection  Other intelligences  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  Video encoding format Video encoding channels Intelligent encoding Extra265/264  Video frame rate S-megapixel: 20 fps; < 5-megapixel: 30 fps or 25 fps  Image AI Scene adaptation Backlight adaptation/Overcast adaptation  Min illumination Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or	Camera	Lens aperture type	Fixed iris			
Illumination distance   Digital Zoom   Not Supported	Carriera	Angle of view	Horizontal: 78.8°; vertica	al: 55.9°		
Digital Zoom DORI DORI (Complied to the EN 62676-4)  Intelligence  Target/Body  Target  Target Target detection/Target attribute recognition Person Person detection  Behavior analysis Other intelligences  Crowd flow analysis Defocus Alarm information  Data openness  Data openness  Data openness  Video encoding format Intelligente Rode  Video encoding format Intelligente Society of S		IR range	30m			
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Complied to the EN 62676-4  W 79.4 32.0 15.9 7.9		Digital Zoom	Not Supported			
Intelligence  Target/Body  Target  Target Target detection/Target attribute recognition  Person Person detection  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  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  Min illumination Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or			D(m)	O(m)	R(m)	I(m)
Target Target detection/Target attribute recognition  Person Person detection  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  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  Min illumination Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or			W 79.4	32.0	15.9	7.9
Target/Body Person Person detection  Behavior analysis Crowd flow analysis Defocus Alarm information Data openness  Video encoding format Video encoding channels Intelligent encoding Video frame rate Video frame rate Video frame rate Image Al  Scene adaptation  Person detection Person detection Person detection Fast movement/Tripwire crossing/Intrusion/Area entry or exit /Loitering/Battery Vehicle Detection /Loitering/Battery Vehicle Patters /Loitering/Battery Vehicle Detection /Loiterin	Intelligence					
Person Person detection  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  Video encoding format Video encoding channels Triple streams  Intelligent encoding Extra265/264  Video frame rate S-megapixel: 20 fps; < 5-megapixel: 30 fps or 25 fps  Image AI Scene adaptation Backlight adaptation/Overcast adaptation  Min illumination Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or		Target	Target detection/Target	attribute recog	gnition	
Other intelligences  Crowd flow analysis  Defocus  Alarm information  Defocus Supported  No SD card; SD card full; SD card error; Network disconnection; Defocus detection; IP Address Conflict Detection;  Open ecosystem  Data openness  Data openness  Data openness  Video encoding format  Video encoding channels  Intelligent encoding  Image Al  Scene adaptation  Violeo encoding deance and process of the proces	Target/Body	Person				
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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  Data openness  SDK (proprietary protocol)/REST API (proprietary protocol)/GA/T 1400/GB/T 28181 (2011, 2016)/ONVIF Profile S/G/T  Image  Video encoding format  Video encoding channels  Intelligent encoding  Extra265/264  Video frame rate  S-megapixel: 20 fps; < 5-megapixel: 30 fps or 25 fps  Image AI  Scene adaptation  Min illumination  Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or	Other intelligences	Crowd flow analysis	Queue length/Head counting/Crowd flow statistics			
Defocus detection; IP Address Conflict Detection;  Defocu		Defocus				
Open ecosystem  Data openness  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  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  Min illumination Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or		Alarm information	No SD card; SD card full; SD card error; Network disconnection;			
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Codec  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  Min illumination Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or	Image					
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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  Min illumination Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or	Codec	Video encoding channels	Triple streams			
Video frame rate  5-megapixel: 20 fps; < 5-megapixel: 30 fps or 25 fps  Image AI  Scene adaptation  Backlight adaptation/Overcast adaptation  Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or		Intelligent encoding	Extra265/264			
Image AI Scene adaptation Backlight adaptation/Overcast adaptation  Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or						
Min illumination Color: 0.005 lux (F1.6, AGC ON); B/W: 0.0025 lux (F1.6, AGC ON) or	Image Al				· · · · · · · · · · · · · · · · · · ·	
	. 9 - "		Color: 0.005 lux (F1.6, AC	GC ON); B/W: (		5, AGC ON) or

Supported; automatic (ICR), color, B/W, or scheduled (default:

triggering/Internal triggering

120 dB

automatic) Sensitivity level: high (default), medium, and low Image

Image ISP

Day/Night mode

WDR

	White balance	Auto/Manual/OnePush
	HLC/BLC	Supported/Supported
	Digital noise reduction	2D/3D noise reduction
		Supports slow shutter. Slow shutter speed levels: 1/3, 1/4, 1/8, 1/12, 1/15
	Shutter speed	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)
Image ISP	Secondary stream resolution	Secondary stream 1: 720 x 576 (PAL), 720 x 480 (NTSC), 352 x 288 (PAL), 352 x 240 (NTSC)
	resolution	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
	Consult III. main ation	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 sampling rate	G.711a/G.711u/G.726: 8 kHz OPUS: 8/12/16/24/48 kHz
	Audio bit rate	"G.711a/G.711u: 64 kbit/sG.726: configurable (16/24/32/40 kbit/s)OPUS: configurable (16/24/32/40/64/96/128/160/192/224/256/288 kbit/s)"

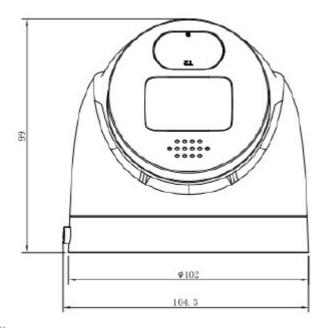
Networking		
Network transmission	Protocols supported by IPv4	TCP, IPv4, UDP, DHCP, DNS, ICMP, IGMP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP (V1/V2/V3), 802.1X, QoS, SMTP, and PPPOE; Note: The northbound protocol needs to adapt to the PPPOE dialup scenario.
	Protocols supported by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

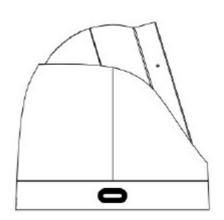
Security		
Data security	Media security	Supports web- or SDK-based media stream encryption; supports a maximum of two channels of encrypted media streams; media stream encryption and full intelligence, target recognition, or image upload through SFTP/FTP cannot be enabled at the same time; after the 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	

Port	
Storage port	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB
Alarm port	2 input ports and 1output 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 φ104 mm x 98 mm;Package dimensions 125 mm x 113 mm x 115 mm	

# © Dimensions





## Recommended Accessories







**HOLOWITS Contact** 

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#### Product selector

Scan the QR code on the right to view and compare specifications of HOLOWITS products and select the best camera for you.