

HWT-D2050-10-I-P(3.6mm)

1T 5MP AI IR Bullet Camera



☰ Features

- ▶ 1TOPS computing power
- ▶ Supports behavior analysis, crowd flow analysis, target detection, and person 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

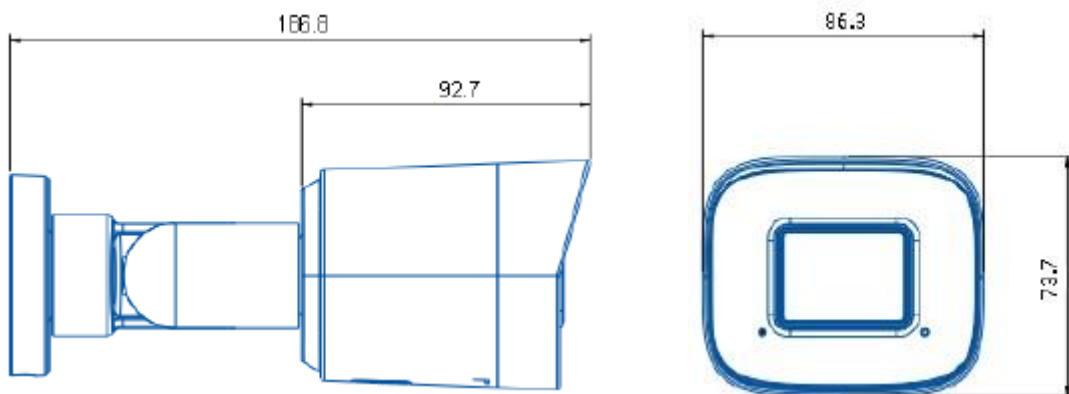
Model		HWT-D2050-10-I-P(3.6mm)			
Major Specifications					
Main control	Computing power	1TOPS			
	Memory	DDR3 0.5 GB			
	Flash type	SPI NAND FLASH 256.0 MB			
	Max capacity	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB			
Camera	Focal length	3.6mm			
	Max Aperture	F1.6			
	Image sensor	1/2.7" CMOS/5MP 2560(H)*1920(V)			
	Lens aperture type	Fixed iris			
	Angle of view	Horizontal79.2°;Vertical:57.7°			
	IR range	50m			
	Digital Zoom	Not Supported			
	DORI (Complied to the EN 62676-4)		D(m)	O(m)	R(m)
W	72.0	29.0	14.4	7.2	
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			
	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 ISP	Min illumination	Color: 0.005 lux (F1.2, AGC ON, 1/30s shutter speed); B/W: 0.0025 lux (F1.2, AGC ON, 1/30s shutter speed) or 0 lux (infrared illuminator enabled)			
	Day/Night mode	Supported; automatic (ICR)/Color/B/W (default: automatic) Sensitivity level: high (default), medium, and low Image triggering /Internal triggering			
	WDR	120dB			

Image ISP	White balance	Auto/Manual/OnePush
	HLC/BLC	Supported/Supported
	Digital noise reduction	2D/3D noise reduction
	Shutter speed	1/3s to 1/68250s: The level drop-down list box is added, and the time can be manually set. Slow shutter level: 1/3,1/4,1/8,1/12,1/15; Non-slow shutter level: 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;; Default value: 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
	Optical Defogging/Algorithm-assisted Defogging	Not Supported/Supported
	EIS	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.726:8K OPUS:8K/12K/16K/24K/48K
	Audio bit rate	G.711a/G.711u:64kbps G.726:16 kbit/s, 24 kbit/s, 32 kbit/s, or 40 kbit/s 16/24/32/40/64/96/128/160/192/224/256/288Kbps: configurable
Networking		
Network transmission	Protocols supported by IPv4	TCP, UDP, IPv4, 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,RTSP,Onvif,IPv6,ICMPv6,DHCPv6
Security		
Data security	Media security	AES256-based SDK stream encryption
	Video digital watermark	Supported
	Image 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
	System intrusion detection	Supported

General Specifications	
Power type	DC12V,PoE(IEEE 802.3af)
Power consumption	Maximum:8.4W,typical:3.1W
Operating temperature	-30°C to 60°C
Operating humidity	5% to 95%(non-condensing)
Surge protection	4kV
IP rating	IP67
Equipment Anti Corrosion	Class C corrosion resistance
IK rating	IK10
Weight	Net weight 0.6kg;Gross weight 0.75kg
Dimensions	Device dimensions 187mm×86.5mm×74mm;Package dimensions 191mm×112mm×120mm

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	Supported (one-channel built-in MIC)

Dimensions



Recommended Accessories



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