

## 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
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
Open ecosystem		
Data openness	Data openness	SDK (proprietary protocol)/REST API (proprietary protocol)/GA/T 1400/GB/T 28181 (2011, 2016)
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
	White balance	Auto/Manual/OnePush
	Highlight compensation	Supported
	Digital noise reduction	2D/3D noise reduction

	Defogging	Supported
	EIS	Not supported; Sensitivity levels are not supported.
<b>Networking</b>		
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
<b>Security</b>		
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
<b>Port</b>		
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)	
<b>General Specifications</b>		
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 (except for the viewing window)	
Weight	Net weight 0.6kg; Gross weight 0.75kg	
Dimensions	Device dimensions 187mm × 86.5mm × 74mm; Package dimensions 191mm × 112mm × 120mm	

## Dimensions

