HWT-M2120-10-EI

1T 2MP IR AI Bullet Camera





- ▶1 TOPS computing power
- Supports behavior analysis, crowd flow analysis, target detection, person detection, object (motor vehicle, non-motorized vehicle, and pedestrian) classification, vehicle recognition, vehicle event detection, and traffic flow statistics
- ▶ Supports backlight adaptation, overcast adaptation, and speed adaptation
- ▶ 1/2.7" CMOS sensor
- Online loading and upgrade of algorithms
- ▶ 120 dB super wide dynamic range (WDR), ensuring that both foreground and background objects are clearly identified in environments with sharp light contrast
- Supports auto iris





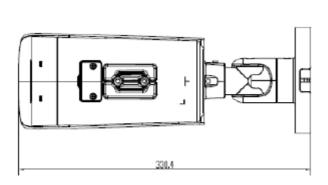
Model	HWT-M2120-10-EI						
Major Specifications							
Main control	Computing power	1 TOPS					
Camera	Memory	DDR3 0.5 GB					
	Flash type	SPI NAND Flash 512.0 MB					
	Focal length	2.8-12mm					
	Max Aperture	F1.6 (W) to F3.4 (T)					
	Image sensor	1/2.7" CMOS/2MP 1920(H)*1080(V)					
	Lens aperture type	DC-Iris					
	Angle of view	Horizontal: 42° (T) to 95.5° (W); vertical: 24° (T) to 52° (W)					
	IR range	50m					
	Digital Zoom/Optical Zoom	Not Supported/4X					
	DORI		D(m)	O(m)	R(m)	I(m)	
	(Complied to the EN	W	48.3	19.5	9.7	4.8	
	62676-4)	Т	132.4	53.4	26.5	13.2	
Intelligence							
Target/Body	Target	Target detection/Target attribute recognition					
,	Person	Person detection					
Vehicle	License plate recognition	·					
	Vehicle analysis	Vehicle color/Vehicle type/Vehicle model					
	Traffic flow statistics	Motor vehicle/Non-motorized vehicle/Pedestrian					
Other intelligences	Behavior analysis	Fast movement/Tripwire crossing/Intrusion/Area entry or exit /Loitering					
	Crowd flow analysis	Queue length/Head counting/Crowd flow statistics					
	Non-motorized vehicle Defocus	Supported					
	Delocus	Supported					
Open ecosystem							
Algorithm openness	Open OS	Supported					
Data openness	Data openness	SDK (proprietary protocol)/REST API (proprietary protocol)/GA/T 1400/GB/T 28181 (2011, 2016) /ONVIF Profile S/G/T					
lmage							
Codec	Video encoding format	MJPEG/H.264/H.265					
	Video encoding channels	Triple streams					
	Intelligent encoding	Extra265/264					
	Video frame rate	Configurable (60 fps, 50 fps, 30 fps, or 25 fps)					
Image Al	Scene adaptation	Backlight ada	ptation/Ov	ercast adapta	tion/Speed ac	laptation	
	Min illumination	Color: 0.005 lux (F1.2, AGC ON, 1/30s shutter speed); B/W: 0.0005 lux (F1.2, AGC ON, 1/30s shutter speed) or 0 lux (infrared illuminator enabled)					
	Day/Night mode		el: high (de	CR)/Color/B/W fault), mediun		omatic) age triggering	

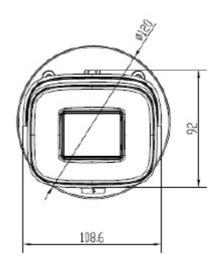
	WDR	120db			
Image ISP	White balance	Auto/Manual/OnePush			
	HLC/BLC	Supported/Supported			
	Digital noise reduction	2D/3D noise reduction			
	Signal-to-Noise Ratio(SNR)	Signal-to-Noise Ratio >45 dB			
	Shutter speed	Supports slow shutter. Slow shutter speed levels: 1/3, 1/4, 1/8, 1/12, 1/15 Non-slow 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			
	Primary stream resolution	1920×1080(1080P),1280×720(720P)			
	Secondary stream resolution	Secondary stream 1: 1920×1080(1080P), 1280×720(720P), 720×576(PAL), 720×480(NTSC); Secondary stream 2: 720×576(PAL), 720×480(NTSC), 352×288(PAL), 352×240(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	Supported Sensitivity levels are not supported.			
Audio					
	Audio Encoding Format	G.711a/G.711u/G.726/OPUS			
A	Audio sampling rate	G.711a/G.711u/G.726 : 8K OPUS : 8K/12K/16K/24K/48K G.711a/G.711u:64kbps;G.726:16、24、32、40kbps			
Audio	Audio bit rate	OPUS:16/24/32/40/64/96/128/160/192/224/256/288Kbps			
Networking Network transmission	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. HTTPS,RTP,RTCP,RTSP,Onvif,IPv6,ICMPv6,DHCPv6			
	IPv6	TTTTF 3,NTF,NTCF,NT3F,OHVII,IF VO,ICIVIF VO,DTICF VO			
Security					
Data security	·	Supports web- or SDK-based media stream encryption. By default, RTSP uses MD5 digest authentication. Supports encrypted storage of up to two channels of streams. By default, RTSP uses MD5 digest authentication. Supports encrypted storage of data in SD cards. By default, RTSP uses MD5 digest authentication . By default, RTSP uses MD5 digest authentication.			
Service security	_	Three user roles: administrator, advanced operator, and common operator			
		User name and password authentication, 802.1X authentication, and HTTPS digital certificate			
		Supported			
		Supported			
	detection				

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
Communication serial port	RS-485 port
·	Supported (one-channel LINE IN or one-channel external MIC)/Supported (one-channel LINE OUT)

General Specifications		
Power type	12 V DC and PoE (IEEE 802.3af)	
Power consumption	Maximum: 13 W; typical: 5 W	
Operating temperature	-30°C to +60°C (illuminator disabled) -30°C to +40°C (illuminator enabled)	
Operating humidity	5% to 95% (non-condensing)	
Surge protection	4 kV	
IP rating	IP67	
Equipment Anti Corrosion	Class C corrosion resistance	
IK rating	IK10	
Weight	Net weight 1.4 kg;Gross weight 1.8 kg	
Dimensions	Device dimensions 330.4mm×108.6mm×92mm;Package dimensions 182 mm x 376 mm x 139 mm	

© Dimensions





Recommended Accessories



ACC3213



ACC3231



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