HWT-C6620-10-Z33

1T 2MP Intelligent PTZ Dome Camera



8≣ Features

- ▶ 1TOPS computing power
- Supports crowd flow analysis, 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

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- ▶ 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



Model	HWT-C6620-10-Z33					
Major Specifications						
	Computing power	1TOPS				
	Memory	DDR3 0.5 GB				
Main control	Flash type	SPI NAND Flash 512.0 MB				
	Max capacity	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB				
Camera	Focal length	5-165mm				
	Max Aperture	F1.6 (W) to F4.4 (T)				
	Image sensor	1/2.7" CMOS/2MP 1920(H)*1080(V)				
	Lens aperture type	DC-Iris				
Camera	Angle of view	Horizontal: 2.4° (T) to 59° (W); vertical: 1.4° (T) to 33.6° (W)				
	IR range	200m				
	Digital Zoom/Optical Zoom	16X/33X				
			D(m)	O(m)	R(m)	l(m)
	DORI (Complied to the EN	W	69.0	27.8	13.8	6.9
	62676-4)	Т	2275.9	917.7	455.2	227.6
	PTZ rotation angle	Pan: 0° to 360° Tilt: –15° to +90°				
	Pan speed	Manual: 0.1–160°/s Speed for moving to the preset position: 240°/s				
	Tilt speed	Manual: 0.1–120°/s Speed for moving to the preset position: 200°/s				
PTZ	Park action	Supported				
112	Tour	Supported				
	Preset position	256 (including one home position)				
	Home position	One home position				
Intelligence						
	Vehicle analysis	Vehicle color/Vehicle type				
Vehicle	Traffic flow statistics	Motor vehicle/Non-motorized vehicle/Pedestrian				
	Crowd flow analysis	Queue length/Head counting/Crowd flow statistics				
Other intelligences	Non-motorized vehicle	Supported				
	Alarm information	No SD card; SD card full; SD card error; Network disconnection; Defocus detection; IP Address Conflict Detection				
	Defocus	Supported				
Open ecosystem						
Algorithm openness	Open OS	Supporte	d			
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			
Codec	Video encoding channels	s Triple streams				
	-					

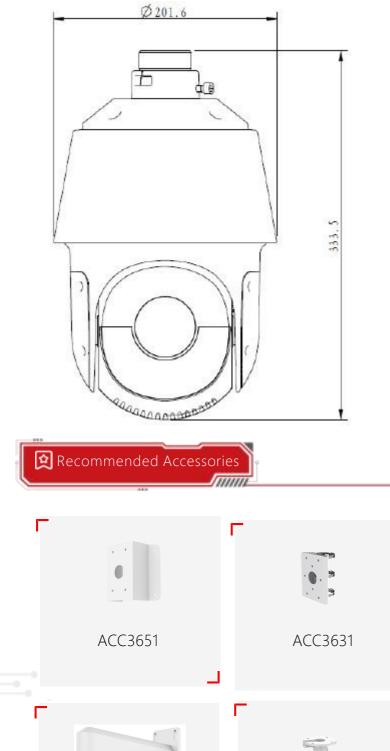
	Video frame rate	Configurable (60 fps, 50 fps, 30 fps, or 25 fps); default value: 25 fps	
Image Al	Scene adaptation	Backlight adaptation/Overcast adaptation/Speed adaptation	
	Min illumination	Color: 0.005 lux (F1.2, AGC ON, 1/30s shutter speed); B/W: 0.0005 l (F1.2, AGC ON, 1/30s shutter speed)	
	Day/Night mode	Supported; automatic (ICR)/Color/B/W (default: automatic) Sensitivity level: high (default), medium, and low Image triggering /Internal triggering	
	WDR	120 dB	
Image ISP	White balance	Auto/Auto tracking/Manual/OnePush	
	HLC/BLC	Supported/Supported	
	Digital noise reduction	2D/3D noise reduction	
	Shutter speed	1/3s to 1/68250s: 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,,1/500,1/72 5,1/1000,1/1500,1/2000,1/3000,1/4000,1/6000,1/10000,1/30000,1/10000 0;; Default value: 1/25	
	Signal-to-Noise	>45dB	
	Ratio(SNR) Primary stream		
	resolution	1920×1080(1080P),1280×720(720P)	
	Secondary stream resolution	Secondary stream 1:1920 x 1080 (1080p), 1280 x 720 (720p), 720 x 576 (PAL), 720 x 480 (NTSC) Secondary stream 2:720 x 576 (PAL), 720 x 480 (NTSC), 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	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,PPPOE	
	Protocols supported by IPv6	HTTPS,RTP,RTCP,RTSP,Onvif,IPv6,ICMPv6,DHCPv6	
Security			
Data security	Media security	AES256-based SDK stream encryption; encrypted storage of video and images on SD cards	

	User rights	Three user roles: administrator, advanced operator, and common operator
Service security	Security mode	User name and password authentication, 802.1X authentication, and HTTPS digital certificate
	Secure boot	Supported
	System intrusion detection	Supported

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 (one-channel LINE IN or one-channel external MIC)/Supported (one-channel LINE OUT)	

General Specifications		
Power type	24 V AC and PoE (IEEE 802.3at)	
Power consumption	Maximum: 22 W; typical: 6.5 W	
Operating temperature	-30°C to +60°C	
Operating humidity	5% to 95% (non-condensing)	
Surge protection	6 kV	
IP rating	IP66	
Equipment Anti Corrosion	Class C corrosion resistance	
Weight	Net weight 3.7 kg;Gross weight 4.76 kg	
Dimensions	Device dimensions φ202 mm x 309 mm;Package dimensions 280 mm x 390 mm x 290 mm	











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