

P5-5LRV(33x) A AI

1T 5MP IR/White-Light AI PTZ Dome Camera with Intercom



Features

- ▶ 1 TOPS computing power
- ▶ Supports automatic tracking, behavior analysis, crowd flow analysis, target detection, person detection, and object classification
- ▶ Supports backlight adaptation and overcast adaptation
- ▶ 1/2.7" CMOS sensor
- ▶ Software-defined architecture that supports 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

Technical Specifications

Model		P5-5LRV(33x)A AI				
Major Specifications						
Main control	Computing power	1 TOPS				
	Memory	DDR3 1.0 GB				
	Flash type	SPI NAND FLASH 256.0 MB				
Camera	Focal length	5.3-175mm				
	Max Aperture	F1.6(W)-F4.4(T)				
	Image sensor	1/2.7" CMOS/5MP 2880(H)*1620(V)				
	Lens aperture type	DC iris+Hall sensor				
	Angle of view	Horizontal AoV: 2.4° (T) to 54° (W) Vertical AoV: 1.7° (T) to 40.2° (W) AoV deviation: ≤ 5%				
	IR range	150m				
	Illumination distance	30m				
	Zoom	Digital zoom: 16x; Optical zoom: 33x				
	IR Wavelength	850 nm				
	DORI		D(m)	O(m)	R(m)	I(m)
		W	106.0	42.7	21.2	10.6
		T	3500.0	1411.3	700.0	350.0
PTZ	PTZ rotation angle	Pan: 0°~360° Vertical-15°~90°				
	Pan speed	Maximum speed for rotating to a preset position: 100°/s; manual control speed: 0.1°/s to 100°/s Note: The PTZ rotation speed needs to be limited in the case of low temperature. Temperature for entering the speed limit mode: -20°C Temperature for exiting the speed limit mode: -10°C Max pan speed: 30°/s Max tilt speed: 20°/s				
	Tilt speed	Maximum speed for rotating to a preset position: 80°/s; manual control speed: 0.1°/s to 80°/s Note: The PTZ rotation speed needs to be limited in the case of low temperature. Temperature for entering the speed limit mode: -20°C Temperature for exiting the speed limit mode: -10°C Max pan speed: 30°/s Max tilt speed: 20°/s				
	Park action	Supported				
	Tour	Supported				
	Preset position	512 (including one home position)				
	Home position	One home position				
Intelligence						
Target/Body	Target	Target detection/Target attribute recognition				
	Person	Person detection				
		Fast movement/Tripwire crossing/Intrusion/Area entry or exit				

Other intelligences	Behavior analysis	/Loitering
	Crowd flow analysis	Queue length/Head counting/Crowd flow statistics/Attendance
	Intelligent tracking	Supported
	Defocus	Supported
	Basic Event	Motion detection/Abandoned object detection/Removed object detection
	Alarm information	HTTPS certificate expiration/SDK certificate expiration/App verification certificate expiration/Level-2 app verification certificate expiration/Mobile app certificate expiration/SDK root certificate expiration/SDK revocation certificate expiration/GB 35114 certificate expiration/802.1X certificate expiration/Mobile app root certificate expiration/Log certificate expiration/Network disconnection/Network packet receiving anomaly/Full hard disk/Hard disk removal/Failure to write data to disks/Media stream interrupted/Log saving anomaly /Flash read/write/Temperature sensor fault/Hot swapping of network adapters/Video loss/Lens PT optocoupler fault/PTZ configuration anomaly/PTZ optocoupler fault/Position change
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/M

Image		
Codec	Video encoding format	MJPEG/H.265
	Video encoding channels	Triple streams
	Intelligent encoding	Extra265
	Video frame rate	Configurable (30 fps or 25 fps); default value: 25 fps
Image AI	Scene adaptation	Backlight adaptation/Overcast adaptation
Image ISP	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	Day/Night mode: automatic(ICR), color, B/W, and scheduled (default: automatic) Trigger mode: image triggered or internal signal triggered (default: image triggered)
	WDR	120dB
	White balance	Auto/Manual/OnePush
	HLC/BLC	Supported/Supported
	Shutter speed	Shutter speed range: 1/100000s to 1/25s Default value in live video mode: 1/25s Default value in target checkpoint mode: 1/25s Default value in micro checkpoint mode: 1/25s Default value in behavior analysis mode: 1/25s
	SNR	>45dB
	Primary stream resolution	2880×1620(5MP),2560×1440(4MP),2304×1296(3MP),1920×1080 (1080P),1280×720(720P),720×576(PAL)
	Secondary stream resolution	Secondary stream 1:720×576(PAL),720×480(NTSC),352×288(PAL), 352×240(NTSC); Secondary stream 2:352×288(PAL),352×240(NTSC)
	Video bit rate	1080p to 4K: 512 kbit/s to 16 Mbit/s 1080p: 256 kbit/s to 16 Mbit/s 720p: 256 kbit/s to 8 Mbit/s D1: 256 kbit/s to 4 Mbit/s CIF: 32 kbit/s to 1 Mbit/s
	Digital noise reduction	2D/3D noise reduction
	EIS	Supported

Audio		
Audio	Audio encoding format	G.711a/G.711u/G.726/OPUS/AAC
	Audio sampling rate	G.711a/G.711u/G.726:8K OPUS:8K/12K/16K/24K/48K AAC:8K/16K/22.05K/24K/32K/44.1K/48K
	Audio bit rate	G.711a/G.711u: 64 kbit/s; G.726: configurable (16/24/32/40 kbit/s); OPUS: configurable (16/24/32/40/64/96/128/160/192/224/256/288 kbit/s) AAC: 8 kHz sampling rate: 16/22/24/32/48 kbit/s 16 kHz sampling rate: 24/32/48/64/96 kbit/s 22.05/24/32 kHz sampling rate: 32/48/64/96/128 kbit/s 44.1/48 kHz sampling rate: 48/64/96/128/256 kbit/s

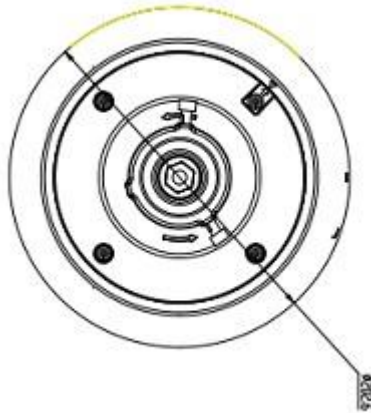
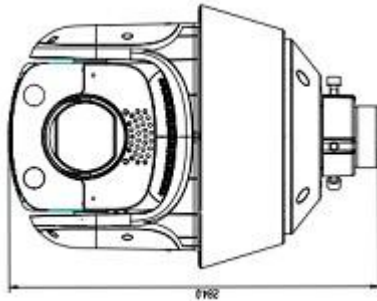
Networking		
Network transmission	Protocols supported by IPv4	TCP, UDP, IPv4, DHCP, DNS, ICMP, IGMP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP (V1/V2/V3), 802.1X, QoS, SMTP, and PPPoE. Note: The northbound protocol needs to adapt to the PPPoE dialup scenario.
	Protocols supported by IPv6	HTTPS,RTP,RTCP,RTSP,Onvif,IPv6,ICMPv6,DHCPv6
Web Browser	Web Browser	32- or 64-bit Windows 7, Windows 8, or Windows 10 Google Chrome: 32-bit Google Chrome 38–49 (The IE Tab plug-in must be installed for Google Chrome 46–49.) 32- or 64-bit Google Chrome 50+ Internet Explorer: 32-bit Internet Explorer 10 and 11 Firefox: 32-bit Firefox 35–51 32- or 64-bit Firefox 70+ Microsoft Edge: 32- or 64-bit Microsoft Edge 50+ Restrictions: Compatibility problems may occur on the Firefox browser. (Pages may be out of order for a short time.)

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 storage of data in SD cards. By default, RTSP uses MD5 digest authentication.
	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	Promiscuous network adapter detection;Sensitive system file detection;Unauthorized super account detection;Botnet detection; Rootkit detection;Trustlisted program detection ;Privilege escalation detection

Port	
Storage port	One microSD card slot that supports microSDHC/microSDXC (maximum memory card capacity: 256 GB)
Alarm port	2 input port and 1 output port
Network port	One RJ45 10M/100Madaptive Ethernet port
Audio port	Supported (one-channel LINE IN and one-channel built-in microphone)/Supported (one-channel LINE OUT or one-channel speaker)

General Specifications	
Power type	AC24V,POE(IEEE 802.3At)
Power consumption	Maximum:22.3W,typical:8.9W
Operating temperature	-30°C to +60°C
Storage temperature	-40°C to 70°C
Operating humidity	5% to 95%(non-condensing)
Surge protection	6kV
IP rating	IP66
IK rating	IK10
Equipment Anti Corrosion	Class C
Weight	Net weight 2.6kg;Gross weight 4.5kg
Dimensions	Device dimensions 202.6mm*202.6mm*260mm;Package dimensions 285mm*285mm*375mm
Language	Simplified Chinese, English, French, Spanish, Portuguese (Europe), Portuguese (Brazil), Thai, Italian, and Turkish

Dimensions



Recommended Accessories



ACC3651
Bracket-Corner
mounted bracket of
dome camera



ACC3631
Bracket-Pole
mounted bracket of
dome camera



ACC3621
M-Ceiling mount
bracket for PTZ dome
cameras



ACC3611
Dome Bracket



ACC3671
Stepping Ring

HOLOWITS Contact

Address : 1 HARBOURFRONT AVENUE, #14-08, KEPPEL BAY TOWER, SINGAPORE 098632

Web: www.hollowits.com

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