

P4-2R(2.8-12) A AI

1T 2MP AI IR Fixed Dome Camera



8≣ Features

- ▶ 1 TOPS computing power
- ▶ Supports 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

SuperCoding, reducing the bit rate by 50%





₹ Technical Specifications

Model	P4-2R(2.8-12)A AI					
Major Specifications						
Major specifications	Computing power	1 TOPS				
N. A. Siran and Armada		DDR3 0.5 (GB			
Main control	,			ЛR		
	, ,	SPI NAND FLASH 512.0 MB 2.8-12mm				
		F1.6(W)-F3.1(T)				
	·	1/2.7" CMOS/2MP 1920(H)*1080(V)				
		Fixed iris				
C	1 71	Horizontal:32°(T) to 96°(W);Vertical:18°(T) to 53°(W)				
Camera		30m				
		Digital zoom:16x; Optical zoom: 4x				
		850 nm				
	5		D(m)	O(m)	R(m)	I(m)
	DORI	W	37.3	15.1	7.5	3.7
	_	Т	160.0	64.5	32.0	16.0
Intelligence						
	Target	Target detection/Target attribute recognition				
Target/Body	Target recognition	Supported				
	Person	Person detection				
	Behavior analysis	Fast movement/Tripwire crossing/Intrusion/Area entry or exit /Loitering				
	Crowd flow analysis	Queue length/Head counting/Crowd flow statistics				
	Defocus	Supported				
	Basic Event	Motion detection/Abandoned object detection/Removed object detection				
Other intelligences	Alarm information	HTTPS certificate expiration/SDK certificate expiration/SDK root certificate expiration/SDK revocation certificate expiration/GB 35114 certificate expiration/802.1X 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				
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.264/H.265				
	Video encoding channels	Triple streams				
	Intelligent encoding	Extra265/264/SuperCoding				
	Video frame rate	60/50/30/25fps				
lmage Al	Scene adaptation	Backlight a	adaptation/Ov	ercast adaptati	ion	

	Min illumination	Color: 0.002 lux (F1.6, AGC ON); B/W: 0.001 lux (F1.6, AGC ON) or 0 lux (infrared illuminator enabled)	
	Day/Night mode	ICR Day/Night mode: automatic, color, B/W, and scheduled (default: automatic) Trigger mode: image triggered or internal signal triggered (default: image triggered)	
	WDR	120dB	
lmage ISP	White balance	Auto/Manual/OnePush	
	HLC/BLC	Supported/Supported	
	Shutterspeed	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: 1/250s Default value in behavior analysis mode: 1/25s	
	SNR	>45dB	
	Primary stream resolution	1920×1080(1080P),1280×720(720P),720×576(PAL)	
	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	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	
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	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, IPv4, UDP, DHCP, DNS, CMP, IGMP, HTTP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP (V1/V2/V3), 802.1X, QoS, SMTP, and PPPoE Note: The northbound protocol should adapt the PPPoE dialup scenario. Note: 802.1X supports authentication only one RADIUS service.	
	Protocols supported by IPv6	HTTP,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 35–5132- 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.)	
Socurity.			
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	

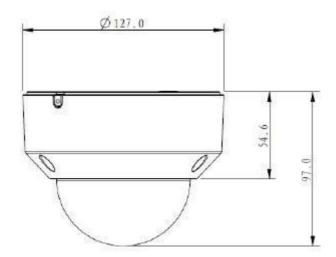
Data security		the intelligent analysis function is enabled, only one-channel stream encryption is supported; supports encrypted storage of data in SD cards. By default, RTSP uses MD5 digest authentication.
	Video digital watermark	Supported
	Image digital watermark	Supported
Service security	User rights	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

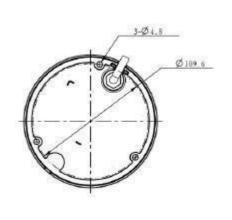
Port	
Storage port	One microSD card slot that supports microSDHC/microSDXC (maximum memory card capacity: 256 GB)
Alarm port	2 input port and 1 output port
Network port	One RJ45 10M/100Madaptive Ethernet port
Communication serial port	RS-485 port
Audio port	Supported (one-channel LINE IN and one-channel built-in microphone)/Supported (one-channel LINE OUT)

General Specifications		
Power type Power type	DC12V,PoE(IEEE 802.3af)	
Power consumption	Maximum:10W,typical:3.5W	
Operating temperature	-30°C to 55°C	
Storage temperature	-40°C to 70°C	
Operating humidity	5% to 95%(non-condensing)	
Surge protection	4kV	
IP rating	IP67	
Equipment Anti Corrosion	Class C	
IK rating	IK10	
Weight	Net weight 0.8kg;Gross weight 1kg	
Dimensions	Device dimensions φ127mm×97mm;Package dimensions 147mm×147mm×112mm	
Language	Simplified Chinese, English, French, Spanish, Portuguese (Europe), Portuguese (Brazil), Thai, Italian, and Turkish	



© Dimensions









ACC3311

Wall-mount bracket for fixed dome cameras



ACC3321

Pendant-mount bracket for fixed dome cameras





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