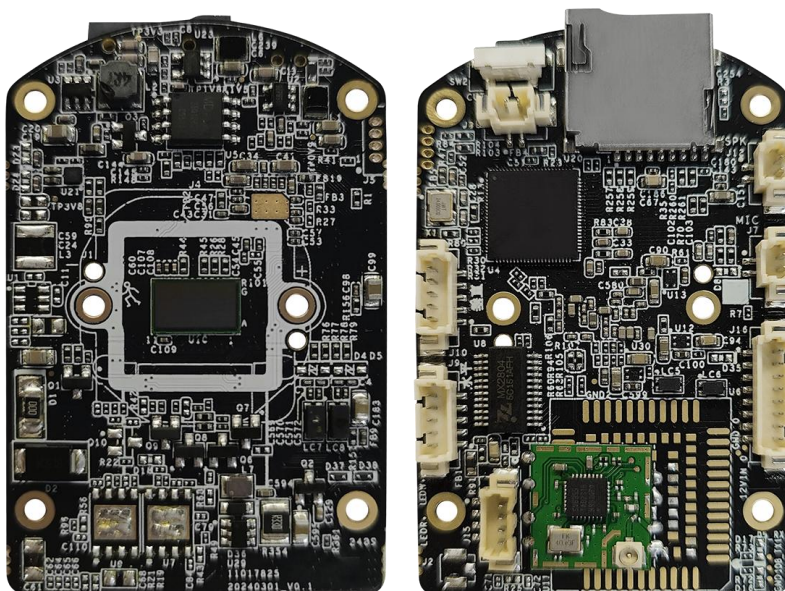


CKANPLUS Product Datasheet

Model name: *CAF-500R-WF*



Key Specifications:

Category	Item	Specification
System	System Processor	Embedded Linux architecture, A7 1GHz processor
	Image Sensor	1/1.8" Smart Clarity SC
Image	Streams	Dual stream
	Main Stream Frame Rate & Resolution	25fps: 28801620 (default), 25601440, 23041296, 19201080
	Sub Stream Frame Rate & Resolution	25fps: 720576, 720480, 704576 (default), 640360, 640480, 512288, 352*288
	Effective Pixels	5 Megapixels
	Video Compression	H.265 (default) / H.264

	Standard	
	Main Stream Bitrate	256~8192Kbps; Default: 3072Kbps
	Sub Stream Bitrate	68~1024Kbps; Default: 682Kbps
	Wide Dynamic Range	Digital WDR
	Sync Mode	Internal synchronization
	Signal-to-Noise Ratio	47.8dB
	Minimum Illumination	0.0002Lux (Fill light on)
Supplementary Light	Light Adjustment	Adaptive brightness adjustment
	Light Modes	Infrared, Warm light, Smart dual-light (default), Light off
Image Processing	Image Style	Standard, Soft, Transparent
	Day/Night Mode Switching	Auto switch, Timed switch, Day mode, Night mode
	Image Adjustment	Supports contrast, brightness, saturation, sharpness adjustment
	Exposure Settings	Automatic
	Image Enhancement	Digital 3D noise reduction, Defog
Audio	Audio Stream	Enabled by default; supports disable
	Encoding Format	G711A (default) / G711U

Network	Concurrent Streams	Client supports up to 16 streams
	Browser Support	IE8+, Chrome18+, Firefox5.0+, Safari5.02+; Supports English and Chinese
	API Protocols	Standard ONVIF, GB28181, Public Cloud
	Network Protocols	Standard HTTP, TCP/IP, ICMP, RTSP, RTP, UDP, RTCP, SMTP, DHCP, DNS
	Connection Method	WiFi, Wired
Interfaces	Audio	1 built-in MIC, 1 built-in speaker
	Network	1 RJ45 10M/100M adaptive Ethernet port; WiFi 6 (2.4G), Bluetooth BLE 5.0
	Storage	Supports SD card (Max 512GB)
Intelligence	Smart Events	Supports motion detection (human shape), region intrusion, tripwire detection, defocus detection, video tampering
General	User Management	Up to 12 users, 3-level permissions: Admin, Normal user, Visitor
	General Functions	Time configure, OSD configure, Privacy masking, Log management, Tamper alarm, Defocus detection
	Alarm Linkage	Email alert, Client alarm, Mobile app push
	Factory Reset	Via browser or mobile app
	Operating Temp/Humidity	-20°C ~ +60°C; 10% ~ 90% RH
	Power Supply	DC 12V or PoE
	Board Size	59mm * 38mm

Pin Definition:

Label / Interface Name	Silkscreen No.	Pin No.	Pin Definition	Function
RJ45 Interface	J16	1	LINK	Network Link Indicator LED
		2	reset	Reset / Factory Restore
		3	TX+	Network Transmit +
		4	TX-	Network Transmit -
		5	RX+	Network Receive +
		6	RX-	Network Receive -
		7	GND	Ground
		8	12V	12V Power Input
IR-CUT	J3	1	BOUT	IR-CUT Drive B
		2	AOUT	IR-CUT Drive A
Microphone	J7	1	GND	Ground
		2	MIC IN	Microphone Input
LED Board	J15	1	LEDR/W-	IR/White LED Negative (Common Cathode)
		2	LEDW+	White Light LED Positive
		3	LEDR+	IR LED Positive
		4	alarm LED_EN	Alarm LED Enable
Speaker	J12	1	SP1	Speaker Terminal 1
		2	SP2	Speaker Terminal 2
Vertical Motor Mount	J10	1	12V	12V Motor Power Supply
		2	PWM4	Vertical Motor Phase 4 Drive
		3	PWM5	Vertical Motor Phase 5 Drive
		4	PWM6	Vertical Motor Phase 6 Drive
		5	PWM7	Vertical Motor Phase 7 Drive
Horizontal Motor Mount	J7	1	12V	12V Motor Power Supply
		2	PWM1	Horizontal Motor Phase 1 Drive
		3	PWM2	Horizontal Motor Phase 2 Drive
		4	PWM3	Horizontal Motor Phase 3 Drive
		5	PWM4	Horizontal Motor Phase 4 Drive