

CAM2301 | Wi-Fi HaLow Camera

Hardware	SoC	Quad Core ARM Cortex-A7, RISC-V MCU
	RAM	DDR3 8Gb (1GB)
	ROM	NAND FLASH 4Gb (512MB)
	Image Sensor	IMX327, 1/2.8", 2MP CMOS Image Sensor
Optical	FOV	H: 105.3°, V: 58.9°, D: 122°
	Fno	F1.6 ± 10%
	Focal Length	f3.03 ± 5%
	Image Circle	Φ7 Max
	Lens Structure	1G4P
	Day/Night Switch	Mechanical ICR with IR Cut Filter
	Light Sensor	ALS for Day/Night Switch, Configurable Threshold
	Lens Mount	M12
IR	Wave Length	850nm
	Distance	15M
White LED	Spotlight	For Alarm and Light Source at Nights
Connector	Y-Cable	Power (DC 12V-in), 3.5mm Audio Jack for Line In/Out, Ethernet
	Hiding Slot	Micro SD Card Slot, Micro USB with Cover Plate
Power	Input	DC 12V (Nominal) PoE IEEE802.3af 48V
	Consumption	DC 12V IR Off: 0.35A Max IR On: 0.7A Max
Mounting	Bracket	Pole, Wall Mount, X (Horizontal): 0°~360° Y (Vertical): 0°~78° Z (Rotate): 0°~360°
Wireless	Long Range	Wi-Fi HaLow 802.11 ah
	Near Range	Wi-Fi 802.11b/g/n; BT Combo (Hardware Only, SW Disabled)
Antenna	Antenna	Dual Antenna (for Wi-Fi 802.11b/g/n & 802.11ah) with SMA Connectors
Operating Conditions	Temperature	-20°C ~ 60°C
	Humidity	<85% (Non-Condensing)
	IP Grade	IP66
Mechanical	ID Form Factor	Outdoor Bullet Type
	Dimension	245.7 x 72 x 72 mm
	Weight	800g
Video	Video Resolution	H.265/H.264
	Max Encode	1080P@30fps + 720P@30fps + M-JPEG Snapshot
	Bit Rate	Main Stream: 1-10 Mbps Sub Stream: 50 Kbps-1 Mbps
	Multi-Stream	Independent 3 Stream Concurrently
Image	Adjust	Brightness, Contrast, Saturation, Sharpness, Hue, White Balance, Auto Exposure, HDR
	Mirror	Horizontal, Vertical
	De-Noise	Support
Audio	Format	G.711-U
Storage	Local	Micro SD Card (128GB / 256GB)
Management SW	Configuration	Web Camera Setting
	FW Upgrade	Web Upgrade
Event	Triggers	1. Video Motion Detection by Area
		2. Human/Face Detection by AI
3. Weekly Schedule Setting by Duration, Interval (Day/Hour/Minute) (e.g., Mon.-Fri., upload image every 1 minute from 8 a.m. to 6 p.m.)		
Actions	1. Record Video/Image to SD Card	
	2. Upload Video/Image to Cloud	
Network	Protocols	IPv4, TCP, UDP, DHCP, NTP, RTP, RTSP, HTTP, HTTPS, SSL, DNS, ARP, TLS, MQTT