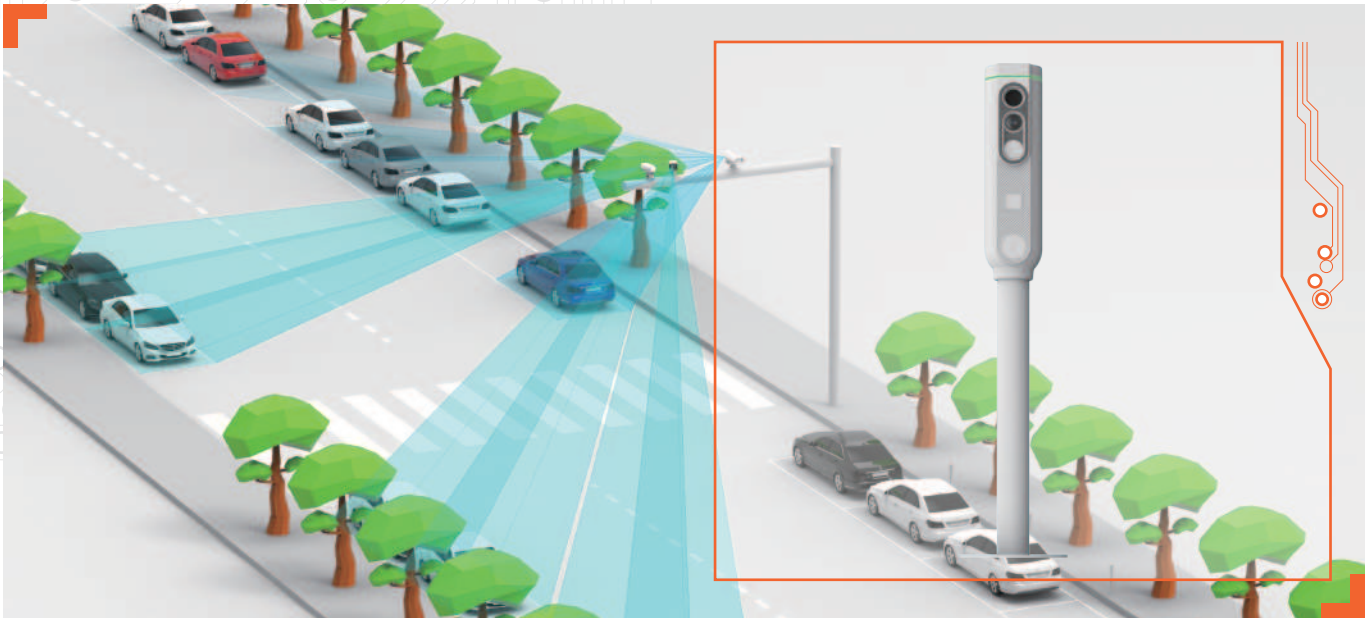
Parking ALPR camera pole

BCB02-V2031A



Highlights

- Adopts an embedded front-end recognition solution for stable and reliable performance
- Equipped with Sony starlight-grade sensor to ensure excellent night-time imaging
- Supports Wide Dynamic Range (WDR) and Backlight Compensation (BLC)
- Supports vehicle detection algorithm and unlicensed vehicle occupancy detection
- Supports dual-stream output and standard ONVIF protocol; compatible with NVR for video recording
- Supports H.264 and H.265 video encoding
- Supports 6-color parking space indicator lights
- Supports intelligent control of supplementary lighting
- IP68-rated enclosure for dust and water resistance
- Low overall power consumption; energy-efficient and eco-friendly
- Supports batch configuration via client software for simplified deployment
- Supports embedded secondary development

Application Scope

Applicable to urban roads, parking lots, EV charging stations, and similar environments

▪ Parameters

	Product Name	Parking ALPR camera pole
	Model	BCB02-V2031A
Camera Specifications	Camera Main Chip	Dedicated Embedded License Plate Recognition Chip
	Camera Sensor	1/2.8 “CMOS
	Lens	Standard 2.8mm fixed lens
	Maximum Image Size	2592*1920
	Frame Rate	5-25fps selectable, default 25fps
	Image Functions	Wide Dynamic Range,Backlight Compensation,Anti-flicker
	3A Control	Auto White Balance,Auto Gain Control,Auto Exposure
	Image Parameters	Adjustable brightness, hue, contrast, and saturation
	Noise Reduction / Signal-to-Noise Ratio (SNR)	3D Digital Noise Reduction (DNR) / 50dB
	Compression Format	H.264/H.265
	Dual Stream	Supported
Software Function Parameters	Parking Space Detection	1 parallel,diagonal,perpendicular parking spaces
	Supported Plate Types	Standard and special-format plates including single-line, double-line, reflective, non-reflective, commercial, diplomatic, military, and new energy vehicle plates; customizable plate pattern library for different countries and regions
	Abnormal Occupancy Alert	Supports capture and alert for abnormal parking: non-motorized vehicle occupancy, cross-space parking, line-pressing, and wrong-direction parking
	Occlusion Alerts	Supported
	Character Overlay	Time, Parking Space Number,Custom Information,Recognition Result
	Network Protocols	TCP/IP,HTTP,RTSP
	ONVIF	Supports standard ONVIF protocol
Hardware Specifications	Network Ports	Dual 10/100M adaptive Ethernet ports (RJ45), supports cascading (hand-in-hand) and bypass connection
	POE	Supported (requires separate PoE module)
	I/O Interface	2 inputs / 1 outputs
	485 Interface	1 × RS485
	SD Card	Supports SD2.0 standard MicroSD (TF) card, up to 64GB
	Illuminator	Single 120° LED
	Input Voltage	DC 12~48V
	Ingress Protection (IP Rating)	IP68
	Total Power Consumption	≤5W
	Operating Temperature	-40°C to +70°C
	Operating Humidity	20% to 90% RH (non-condensing)
	Dimensions(mm)	ϕ200mm*917mm(H)
	Net Weight	< 5Kg

Installation Notes

1. The camera should be installed above the roadside curb, with a horizontal distance of 40-60 cm from the curb (50 cm recommended)
2. The camera should be positioned 80-100 cm beyond the outer edge of the target parking space line (80 cm recommended)
3. The video post must be securely fixed using embedded anchor bolts and concrete to ensure stability