

ProBG8000 Series Parking Barrier

High Speed | High Performance | Reliable



IP54

The ProBG8000 Series is a servo-driven parking barrier engineered for superior performance and longevity. Powered by a highly efficient and reliable servo planetary gear reduction motor, it delivers an impressive MCBF (Mean Cycles Between Failures) of up to 10 million operations, ensuring an exceptionally long service life. It features a built-in RGB interactive lighting system that supports a variety of colours and effects to clearly indicate operational status. The mainboard employs high-precision servo control, ensuring stable and reliable operation.

Designed for high-intensity traffic environments, the ProBG8000 Series is suitable for super shopping malls, commercial districts, tourist attractions, government agencies, residential apartments, factories, schools, hospitals and other solution.

Features

- **Responsive Performance**

DC brushless servo motor with planetary gear reduction delivers adjustable opening/closing speeds from 0.3s to 6s and an MCBF of 10 million cycles for long-term reliability.

- **All-Weather Reliability**

Engineered to operate stably in demanding outdoor conditions. With a reinforced, rust-resistant steel chassis and achieved IP54 protection rating.

- **Parking Barrier Boom with Smart Protection**

Lightweight round boom enables faster traffic throughput, while integrated anti-collision, auto-rebound, and pole-off functions safeguard both vehicles and equipment.

- **Dynamic RGB Visual Indication**

Full-color RGB LED stripe provides intuitive, real-time feedback on barrier status (open / closed / standby) for enhanced user interaction and traffic guidance.

- **Advanced Servo Mainboard**

Multiple I/O interfaces — including radar, infrared, and RS485 — plus a built-in digital debugging panel and full overcurrent / overvoltage / overload protection.

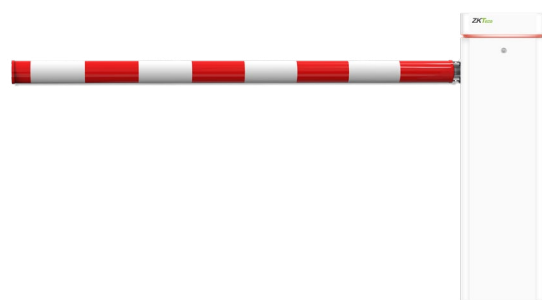
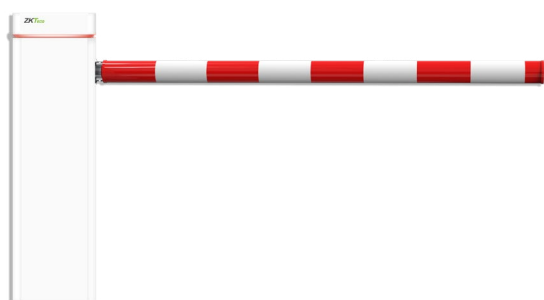
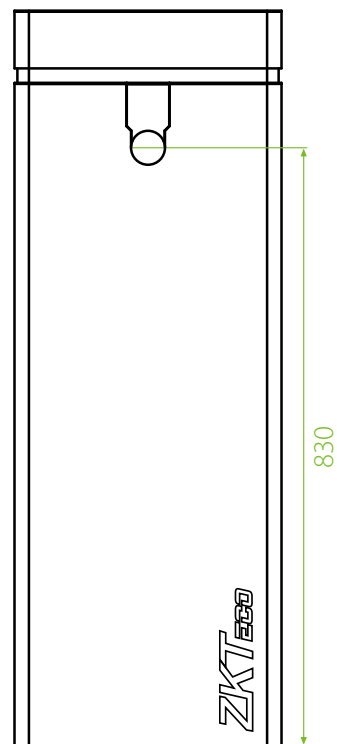
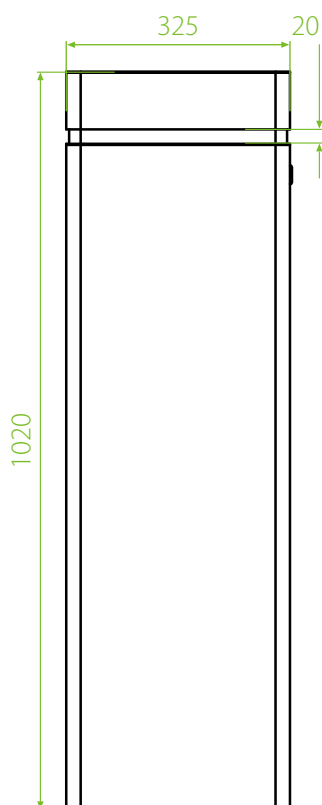
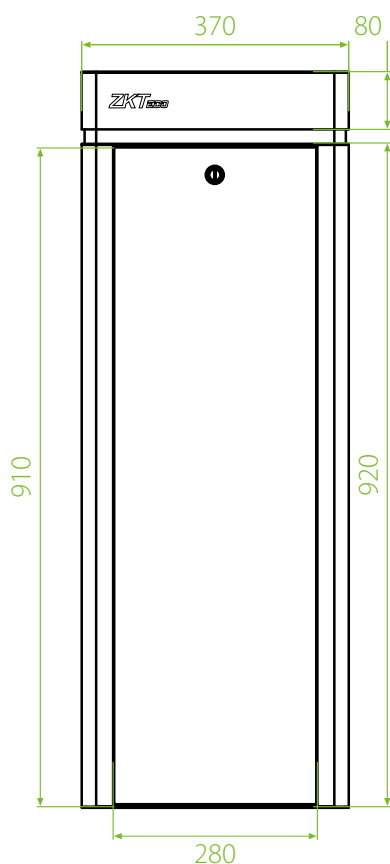
- **Smart Connectivity (Optional)**

Optional Ethernet module for remote configuration, real-time status monitoring, and firmware upgrades via PC tools. Optional Bluetooth module for quick on-site commissioning and debugging through a mobile app.

Specifications

Model	ProBG8030L/R	ProBG8045L/R
Visual Indicator	LED stripe (7 Colour RGB, Customizable) Breathing Red: Close Flowing Green: Normal Use Flashing Blue: Stand by	
Display	N/A	
Boom Type	Round straight boom	
Boom Length	≤3m Round straight boom	≤4.5m Round straight boom
Boom Angle Adjustment	N/A	
Motor	24V DC brushless servo motor	
Motor Power	400W (peak / short-term)	
Rated Power	260W	
Operating Speed	0.3s~6s (opening/closing ; adjustable)	
Chassis Material	2.0mm cold-rolled steel plate Double-layer powder coated	
Chassis Color	White	
Barrier Boom Material	1.0mm aluminum alloy	
Motherboard Function	Switch control, loop/infrared/radar detector control, anti-smash control, traffic light control, Ethernet module (optional), Bluetooth module (optional)	
Power Supply	Input: AC110V/220V±10% 50/60Hz, Output: DC24V 20A	
Rated Input Current	<15A	
Fire Signal	Dry-contact relay input (fire alarm linkage)	
MCBF	10 million	
Weight	Net Weight (excluding the barrier arm) : 50kg	
Chassis Dimension	370*325*1020mm	
Operating Temperature	-40°C ~ 80°C	
Operating Humidity	<90% RH (non-condensing)	
Certifications	CE, FCC (pending)	
Ingress Protection Rating	IP54	
Anti-collision	Digital anti-collision, infrared anti-collision, radar anti-collision, anti-collision loop detector, auto-rebound, pole-off functions when in emergency	
Product Delivery	≤15 days	
Application Environment	Indoor/Outdoor/Semi-outdoor	
Site Preparation	Flat & Level Finished Floor	
Duty Cycle	100%	
Remote Control Distance	≤50m	
Rated Speed	850rpm	
Rated Current	<20A	
Operating Voltage	DC 24V	
Warranty	2 years	

Dimensions(mm)



L: The chassis on the left, the boom on the right

R: The chassis on the right, the boom on the left

Application Scenario



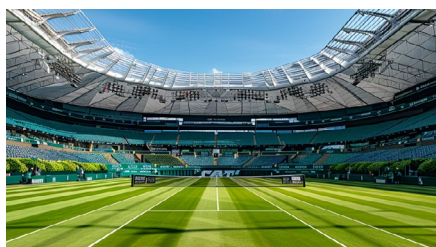
Expressway Toll Stations



Commercial Centers



Scenic Spots



Sports Stadiums

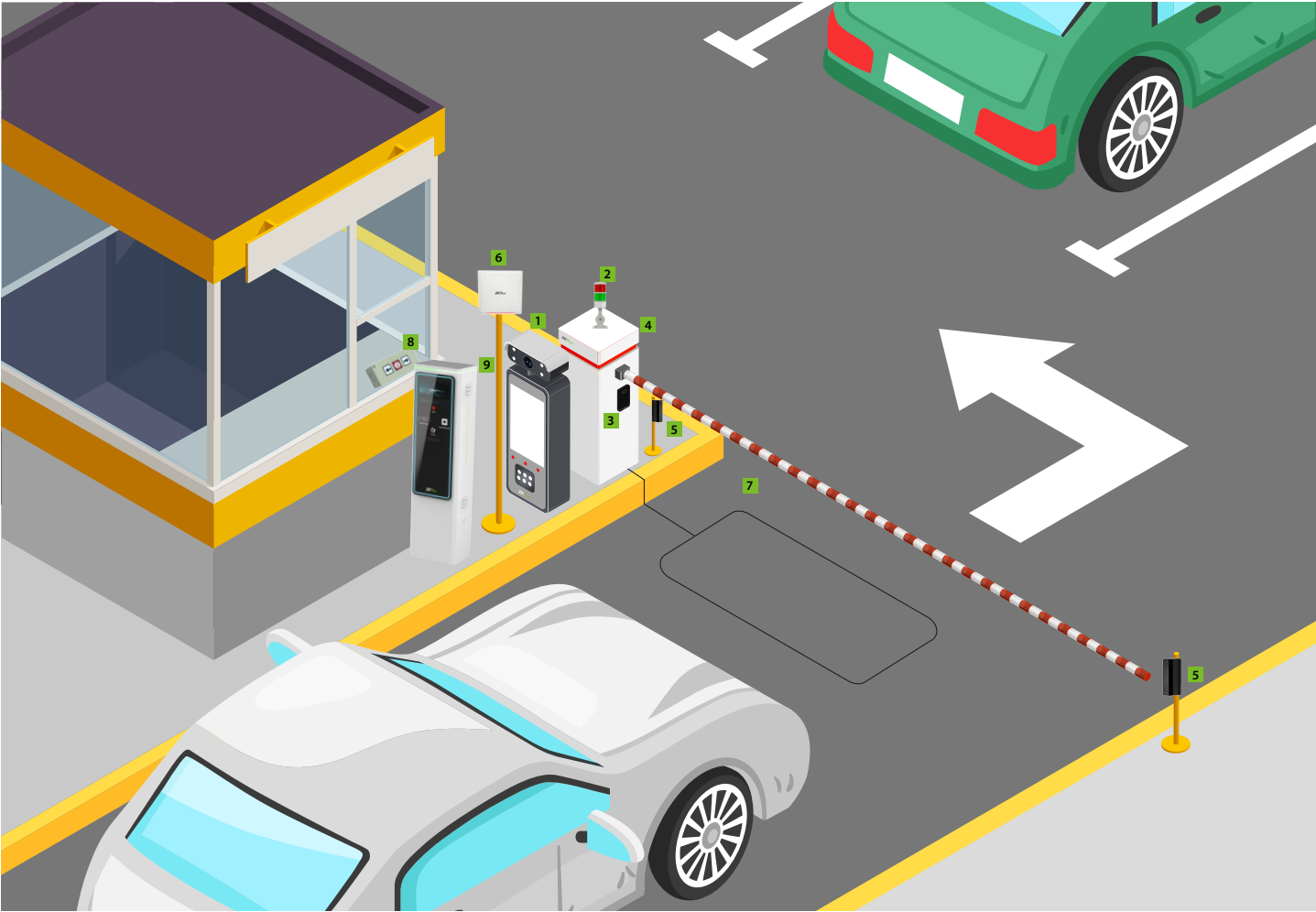


Office Buildings



Apartments

Related Products



1  LPRS8000 Manages vehicle entry and exit	2  Parking Warning Light For the traffic guidance	3  VR 30 For safety detection and automatic closing trigger	4  PSA02 Vehicle detector For safety detection and automatic closing trigger	5  PSA26 Photocell For anti-smash detection	6  UHF 5/10 Pro For the management of entrance and exit channels	7  PSA03 Loop coil For vehicle detection(Use with PSA02)	8  Manual Button For emergency switch control	9  Ticket Dispenser Dispense tickets for vehicle entry at parking lot
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