



BOOM BARRIER

STR-HS-PRO



THE STERN STR-HS-PRO Vehicle Boom Barrier is a premium high-speed access control solution engineered for high-traffic and security-sensitive environments. Designed with advanced automation, robust construction, and smart integration capabilities, the STR-HS-PRO ensures smooth traffic flow, enhanced safety, and reliable long-term performance. Its sleek aesthetics combined with industrial-grade durability make it an ideal choice for modern commercial, residential, and infrastructure applications.

Design & Build Quality

- * Dual-Tone Powder-Coated Body: Yellow and grey finish for high visibility in all lighting conditions
- * Heavy-Duty Drive Unit: Designed for continuous operation
- * MCBF: Over 10 million cycles for long-lasting and maintenance-free performance

Boom Configuration Options

- * Straight Boom: Available in 3 m, 4 m, 5 m, and 6 m lengths
- * Articulated Boom: Ideal for installations with height restrictions
- * Boom Skirt / Fence Arms: For improved security by covering the under-boom area
- * Boom Operating Speeds:
0.9 to 4 Sec (Speed varies as per boom length)

Visibility & Safety Features

- * Optional Under-Boom Red LED Light: Enhances visibility during night operation (available up to 4 m boom length)
- * End Supports: Provided for longer boom lengths to ensure boom stability and safety
- * High-Visibility Color Scheme: Reduces risk of accidental impact





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Smart Control & Integration

- * Remote Control: Handheld remote with 20–50 m operating range
- * Access Control Compatibility:
- * Proximity card readers
- * Long-range RFID readers
- * Other third-party access control systems

Key Benefits

- * Improved Security: Effective control over vehicle entry and exit
- * High Operational Efficiency: Fast opening and closing minimises traffic congestion
- * Enhanced User Safety: High visibility and safety supports reduce accident risks
- * User-Friendly Operation: Switch / Remote-based control
- * Flexible Customization: Multiple boom and accessory options to suit site requirements
- * Reliable & Durable: Designed for continuous operations with low maintenance

Typical Applications

- * Parking Facilities
- * Residential Complexes
- * Commercial & Office Buildings
- * Toll Plazas
- * Industrial Premises
- * Gated Communities





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DESCRIPTION	PARTICULAR
Make	THE STERN
Model	STR-HS-PRO
Material of Construction	2mm sheet, Anti-UV light and Static Plating
Application	Indoor/Outdoor
Housing Dimension (in mm)	Length 329 XWidth 320 XHeight 950
Boom Arm	45*100 mm Aluminium alloy arm
Arm Length	1 - 6 Mtrs
Arm Direction	Left/Right exchangable
Operating Temperature	(-25 degree C to +55 Degree C)
Motor	24V DC ,50W DC Brushless Servo Motor
Controller	PWM variable frequency servo controlled board
Open / Close Time	0.9 to 4 Sec(Adjustabe),Stepless speed regulation
Features	Loop Detector, Photo cell, WIFI & TCP/IP interface : Can be controller by smart phone ,Emergency Manual release
Wireless Remote	Distance 20 - 50 Meter
Communication Interface	RS 485 or TCP/IP RJ45
Ingress Protection	IP54
Duty Cycle	100%
MTBF	10 million cycle
Humidity	10 to 95 %
Noise During Operation	Less than 60 dB
Weight of Product	46 Kg





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DIMENSIONS

