

Automatic Barrier Gate with Number Plate Recognition



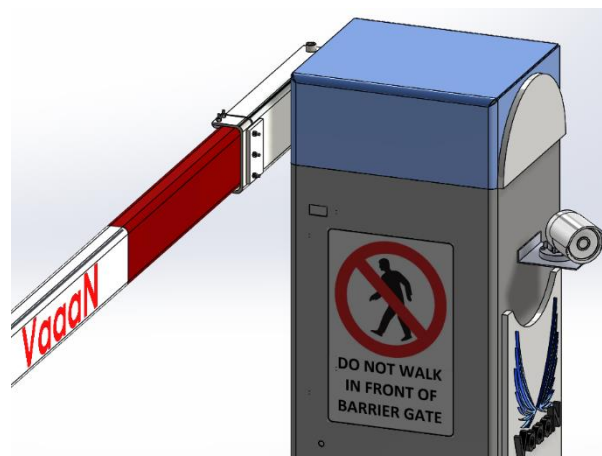
Technical Datasheet

STANDARD EQUIPMENT

1. **Mild steel made housing with anti-rust treatment, powder coated (PP RAL 9003 Wrinkle PW5W011) finishing with leak proof weld joints.**
2. **Aluminium boom arm, white lacquered with red reflective strip and extremity cap. Boom arm swing-off system with contact sensor.**
3. **Main shaft directly driven by the gear motor eliminating need for complicated adjustments and reducing risk of breakdown.**
4. **Maintenance free rod end bearing.**
5. **Damping mechanism for vibration control.**
6. **ANPR camera & controller for automatic number plate recognition.**
7. **Electromechanical assembly features:**
 - **Three-phase reversible gear motor with brake, lubricated for life, ensures protection against inadvertent forced lifting.**
 - **Variable AC drive** ensures progressive accelerations, short circuit protection, grounding, overcurrent and thermal protection of gear motor.
 - **IP 67 rated electronics enclosure** protects the relay card from water & dust.
 - **Proximity sensors** ensure precise angular motion of boom arm.

AT A GLANCE

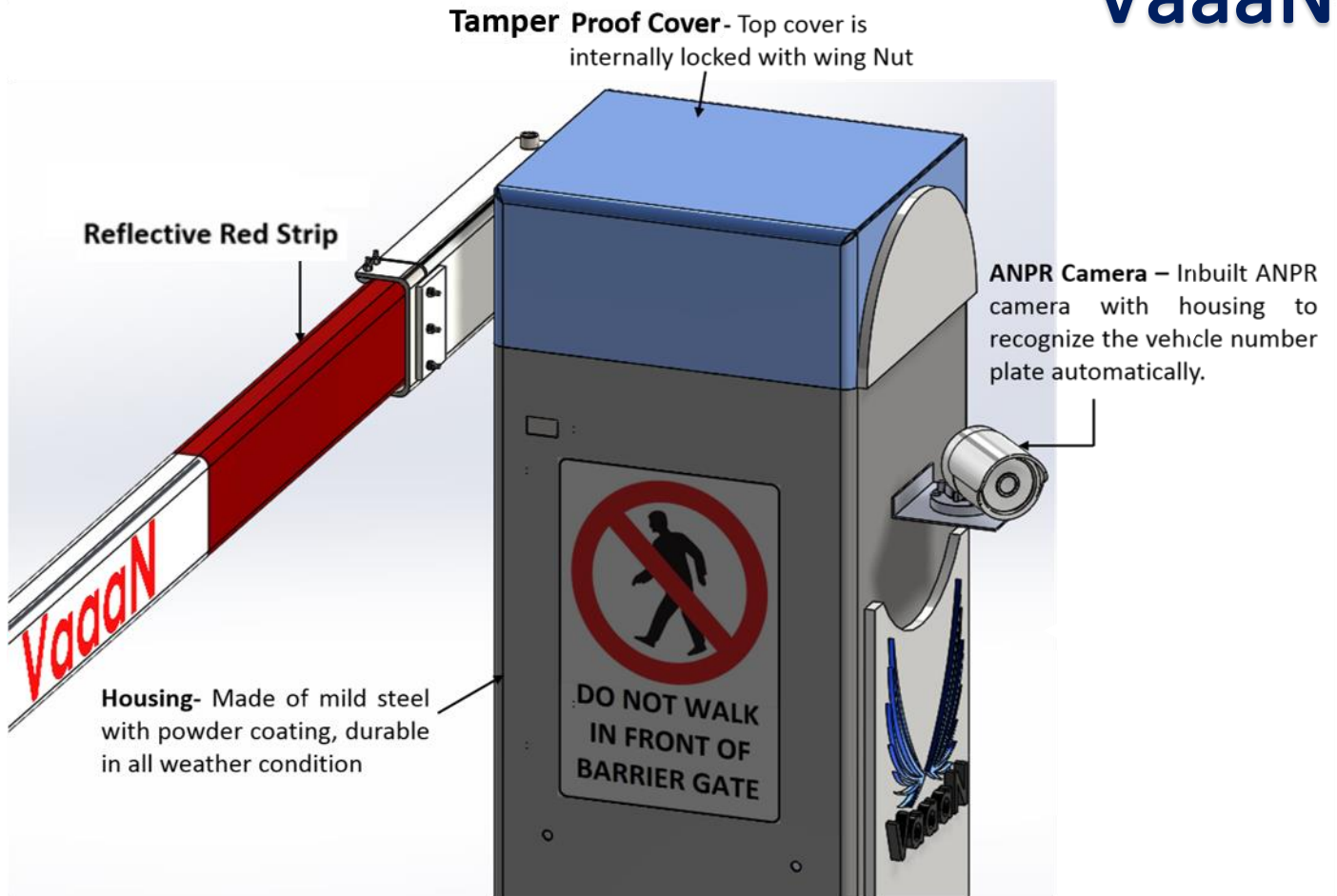
- **Automatic Barrier Gate (ABG)** has been specially tailored to meet the requirement of parking application.
- **Automatic Number Plate Recognition (ANPR)** is a highly accurate system capable of reading vehicle number plates without human intervention.



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TECHNICAL SPECIFICATION

ANPR Camera	
Sensor	1/3", progressive scan, 4.0 megapixel, CMOS, Up to 30m (98 ft.) IR range
Day/Night	IR-cut filter with auto switch (ICR)
General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
Storage	Micro SD, up to 128 GB
Automatic Barrier Gate	
Electrical power supply	230 V, 1 phase, 50 Hz
Motor	4 pole, 0.5 HP / 0.37 KW
Operating time	0.6 to 0.9 second or, as required
Operating temperature	-25°C to +60°C
Relative humidity	95% max, without condensation

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SALIENT FEATURES

- **ABG:-**
 - Spring steel used for boom holder for flexible movement of boom
 - The ABG is constructed with next-generation electronics that guarantee total control of the system, with emphasis on improving safety and control functions.

- **ANPR:-**
 - Detects and reads number plates automatically
 - System can detect and recognize different dimensions /contrast / colour of license plates with various font & style
 - Can be integrated over Ethernet with 3rd party Systems
 - High Security Number Plate (HRSP) accuracy > 98%
 - Non-Standard / other language Number Plate accuracy >80% (requires on-site algorithm training)

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