MEENAKSHI TECHNOLOGIES

Biometric Attendance & Access Control Solutions | Hyderabad, Telangana

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ESSL • OFFICIAL TECHNICAL DATASHEET

eSSL BG1000 High-Speed Automatic Vehicle Boom Barrier

Automates commercial parking gates, toll plazas, and industrial vehicle checkpoints with loop detection.

User Capacity:	Transaction Memory:	Communication:
Commercial Grade	100,000 Logs	TCP/IP, USB

Verified Technical Specifications

Parameter	Specification Detail
Manufacturer / Brand	eSSL
Model Number	BG1000
Category	Boom Barrier Systems
Primary Technology	Optical Biometrics
Verification Speed	< 0.8 Seconds
Operating Voltage	12V DC 2A
Display Screen	2.8" Color Screen
Battery Backup	Optional External UPS / Built-in
Access Control Relay	Built-in NO/NC Contacts
Warranty	1 Year Comprehensive Manufacturer Warranty

Key Features & Commercial Applications

- 24V brushless motor delivers ultra-smooth operation without overheating during peak traffic
- Anti-smash radar vehicle detector prevents the boom arm from hitting vehicles or pedestrians
- Manual release clutch allows effortless manual raising during power cuts
- Integrates seamlessly with long-range UHF RFID readers for automated fleet entry