eSSL®
Security at Fingertips



eSSL LPR 100

TECHNICAL SPECIFICATIONS

Camera	
Resolution max.	2 MP
Sensor	1/2.8" 2 MP Exmor Progressive CMOS sensor
Min. illumination	color:0.05 Lux at F1.2 / LED illuminator ON:0.001Lux at F1.2
Frame rate	25 FPS
Lens	Varifocal from 6-22
Shutter Speed	1/3s to 1/100,000 s
Processor	2.4GHz quad-core 64-bit CPU

ANPR Algorithm	
Accuracy	Detection Rate >99.5% Recognition performance - 4 Wheeler >98% , 2 Wheeler >92%
Recognition Speed	40 milliseconds
Number Plate Support	• Supports HSRP, non-HSRP, Two Wheeler, Bharat Series, Green, Red, Hand painted • Supports single-lined, two-lined, three-lined number plates
Vehicle Type identification	4 wheeler and 2 wheeler
Vehicle Speed Limit	15-25 KMPH (Dependent on camera mounting)
Detection Range	5-10 meters
Lane Coverage	4 meters

Dashboard Features	
Live View	Yes
Visitor Registration	40 milliseconds
User Management	Allows to add different users with Permission Control
Uptime Display	Shows the total uptime of the system for a given period

Data Management	
Whitelist and Blacklist	Real time reflection of entries in the database- Addition, Editing and Deleting of data.
Storage	32 GB (Expandable upon request)
Bulk upload	Allows bulk upload of CSV/XLSX format
Owner Types	Addition of Multiple owner types - Residents, Tenants, vendors etc.

General	
Relay output	2 Channel relay output configurable for Barrier, Light and Siren control
Integration	Supports API, TCP and WebHook integration
Power supply	DC12V
Operating temperature	-10° C 50° C
Working Humidity	90% or less (non-condensing)

Disclaimer : Brief specifications are mentioned here. Specifications may change without prior notice. Customers are advised to check with us before purchase. Actual product may differ slightly to that depicted for ongoing product development.
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