BOSCH

Invented for life

REG-L1 License Plate Cameras

‣ **High speed capture to 160 km/h (100 mph)**

‣ **24/7 Capture in day and dark conditions**

‣ **Advanced Ambient Rejection Technology**

‣ **Energy efficient operation at 12 to 24 VAC/VDC**

‣ **Compact housing, installer friendly design**

REG-L1 integrates advances in optics, electronics, IR illumination and Ambient Rejection Technology to deliver consistent, reliable number plate capture in the most challenging of conditions

With an operational range of up to 25 m (80 ft) depending on number plate size, the REG-L1 delivers high contrast number plate images across the complete spectrum of ambient lighting conditions, from total darkness to direct glare from sunlight and vehicle headlights. The camera can capture clear plate images from vehicles moving at speeds of up to 160 km/h (100 mph) enabling effective capture on motorways, highways and in other high speed applications.
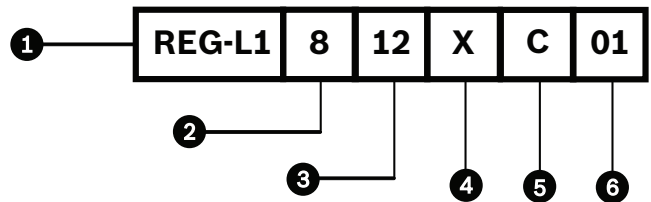
The unit housing is weather-sealed and field proven for successful application in extreme environments. REG-L1's LED array eliminates the need for routine bulb changes. An improved electronic design allows for energy efficient operation at 12 to 24 VAC/VDC

REG-L1 is designed to work with NVRs or with DVRs. It is specifically designed to work with third party ANPR software.

Functions

Applications

- ANPR

- Traffic monitoring
- Border control
- Access control
- Car parking
- Policing
- Post event investigation
- 12 V to 24 VAC/VDC operation

Installation/Configuration Notes

Ordering chart

① REG-L1 | 8 | 12 | X | C | 01
② ③ ④ ⑤ ⑥

1.	Model	REG-L1	
2.	Wavelength	8	850 nm
3.	Lens	12	8 mm
		16	12 mm
		25	16 mm
		35	25 mm
		50	35 mm
		75	50 mm

4.	**Camera Type**	X	Standard
5.	**Region**	C	CCIR
		E	EIA
6.	**Color**	01	Black

Technical Specifications

Operational Range	Up to 30 m (100 ft) or 25 m (80 ft) depending on number plate size
Camera Sensors	1/3-inch CCD
Resolution	520 TVL
IR Illumination	LED array, 850 nm
Life	Greater than 5 years
Input	12 to 24 VAC/VDC
Consumption	30 W
Temperature Range	-50 ℃ to +50 ℃ (-58 ℉ to +122 ℉)
Construction	Robust, weather sealed aluminum casting and extrusion
Environmental	Sunshield
Dimensions	250 x 154 x 165 mm (9.8 x 6.1 x 6.5 in)
Weight	2.8 kg (6.2 lb)
Color	Supplied in black(RAL B401)

Camera Selection Tables

Range for 12 x 6 in (305 x 152 mm) number plates
(common in North America)

Model	Range	Optimal Distance
REG-L1-816	4 to 7 m (12 to 22 ft)	5 m (16 ft)
REG-L1-825	6 to 10 m (20 to 34 ft)	8 m (25 ft)
REG-L1-835	8 to 15 m (27 to 48 ft)	11 m (35 ft)
REG-L1-850	12 to 21 m (40 to 68 ft)	15 m (50 ft)
REG-L1-875	17 to 24 m (55 to 80 ft)	23 m (75 ft)

Range for 520 x 111 mm (20.5 x 4.4 in) number plates
(common in Europe)

Model	Range	Optimal Distance
REG-L1-812	3 to 6 m (10 to 20 ft)	5 m (16 ft)
REG-L1-816	5 to 8 m (16 to 26 ft)	7 m (23 ft)
REG-L1-825	7 to 12 m (23 to 40 ft)	10 m (33 ft)
REG-L1-835	11 to 18 m (34 to 60 ft)	15 m (50 ft)
REG-L1-850	17 to 25 m (56 to 82 ft)	22 m (72 ft)

Ordering Information

REG-L1-812XC-01 License Plate Camera   **REG-L1-812XC-01**
License Plate Reader with LED, 8 mm lens, SX8 camera, CCIR, 3 to 6 m (10 to 20 ft), psu separate

REG-L1-816XE-01 License Plate Camera   **REG-L1-816XE-01**
License plate reader with LED, 12 mm lens, SX8 camera, EIA, 12 to 22 ft, psu separate

REG-L1-816XC-01 License Plate Camera   **REG-L1-816XC-01**
License plate reader with LED, 12 mm lens, SX8 camera, CCIR, 5 to 8 m (16 to 26 ft), psu separate

REG-L1-825XE-01 License Plate Camera   **REG-L1-825XE-01**
License plate reader with LED, 16 mm lens, SX8 camera, EIA, 20 to 34 ft, psu separate

REG-L1-825XC-01 License Plate Camera   **REG-L1-825XC-01**
License plate reader with LED, 16 mm lens, SX8 camera, CCIR, 7 to 12 m (23 to 40 ft), psu separate

REG-L1-835XE-01 License Plate Camera   **REG-L1-835XE-01**
License plate reader with LED, 25 mm lens, SX8 camera, EIA, 27 to 48 ft, psu separate

REG-L1-835XC-01 License Plate Camera   **REG-L1-835XC-01**
License plate reader with LED, 25 mm lens, SX8 camera, CCIR, 11 to 18 m (34 to 60 ft), psu separate

REG-L1-850XE-01 License Plate Camera   **REG-L1-850XE-01**
License plate reader with LED, 35 mm lens, SX8 camera, EIA, 40 to 68 ft, psu separate

REG-L1-850XC-01 License Plate Camera   **REG-L1-850XC-01**
License plate reader with LED, 35 mm lens, SX8 camera, CCIR, 17 to 25 m (56 to 82 ft), psu separate

REG-L1-875XE-01 License Plate Camera   **REG-L1-875XE-01**
License plate reader with LED, 50 mm lens, SX8 camera, EIA, 55 to 80 ft, psu separate

Accessories

MBE-28B Black Bracket Arm Mount   **MBE-28B**
Black mounting bracket for use with the REG-D1 or the REG-L1 License Plate Camera

MBE-15B Black Pole Mount Adapter Plate   **MBE-15B**
Black adapter plate used to attach an MBE-27 or MBE-28 along with an EXMB.020B Heavy Duty L Bracket to a pole.

MBE-17B Black Wall Mount Adapter Plate   **MBE-17B**
Black adapter plate used to attach an MBE-27 or MBE-28 along with an EXMB.020B Heavy Duty L Bracket to a wall.

EXMB.061 Pole Top Bracket   **EXMB.061**
Stainless Pole Top Bracket

EXMB.029B Ceiling Mount Bracket   **EXMB.029B**
Ceiling Mount Bracket, Black

UPA-2450-60 Power Supply, 120 V, 60 Hz   **UPA-2450-60**
120 VAC, 60 Hz, 24 VAC, 50 VA Out

Ordering Information

UPA-2450-50 Power Supply, 220 V, 50 Hz   **UPA-2450-50**
220 VAC, 50 Hz, 24 VAC, 50 VA Out
For use with certain 24 VAC camera models.