


**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 30 m (100 ft) or 25 m (80 ft) depending on number plate size, 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

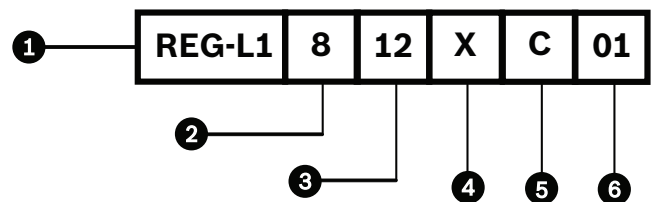
#### Applications

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

<b>1. Model</b>	<b>REG-L1</b>	
<b>4. Camera Type</b>	X	Standard
<b>5. Region</b>	C	CCIR
	E	EIA
<b>6. Color</b>	01	Black

### Technical Specifications

Operational Range	Up to 30 m (100 ft) or 25 m (80 ft) depending on number plate size
Camera Sensors	1/2 in LXR CCD sensor
Resolution	High resolution 600 TVL
IR Illumination	LED array, 850 nm
Life	Greater than 5 years
Input	12 to 24 VAC/VDC
Consumption	30 W
Temperature Range	-50 °C to +50 °C (-58 °F to +122 °F)
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)
REG-L1-875	22 to 30 m (72 to 100 ft)	28 m (92 ft)

### Ordering Information

<b>REG-L1-812XC-01 License Plate Camera</b>	<b>REG-L1-812XC-01</b>
License Plate Reader with LED, 12 mm lens, SX8 camera, CCIR, 3 to 6 m (10 to 20 ft), psu separate	
<b>REG-L1-816XE-01 License Plate Camera</b>	<b>REG-L1-816XE-01</b>
License plate reader with LED, 16 mm lens, SX8 camera, EIA, 12 to 22 ft, psu separate	
<b>REG-L1-816XC-01 License Plate Camera</b>	<b>REG-L1-816XC-01</b>
License plate reader with LED, 16 mm lens, SX8 camera, CCIR, 5 to 8 m (16 to 26 ft), psu separate	
<b>REG-L1-825XE-01 License Plate Camera</b>	<b>REG-L1-825XE-01</b>
License plate reader with LED, 25 mm lens, SX8 camera, EIA, 20 to 34 ft, psu separate	
<b>REG-L1-825XC-01 License Plate Camera</b>	<b>REG-L1-825XC-01</b>
License plate reader with LED, 25 mm lens, SX8 camera, CCIR, 7 to 12 m (23 to 40 ft), psu separate	
<b>REG-L1-835XE-01 License Plate Camera</b>	<b>REG-L1-835XE-01</b>
License plate reader with LED, 35 mm lens, SX8 camera, EIA, 27 to 48 ft, psu separate	
<b>REG-L1-835XC-01 License Plate Camera</b>	<b>REG-L1-835XC-01</b>
License plate reader with LED, 35 mm lens, SX8 camera, CCIR, 11 to 18 m (36 to 59 ft), psu separate	
<b>REG-L1-850XE-01 License Plate Camera</b>	<b>REG-L1-850XE-01</b>
License plate reader with LED, 50 mm lens, SX8 camera, EIA, 40 to 68 ft, psu separate	
<b>REG-L1-850XC-01 License Plate Camera</b>	<b>REG-L1-850XC-01</b>
License plate reader with LED, 50 mm lens, SX8 camera, CCIR, 17 to 25 m (55 to 82 ft), psu separate	
<b>REG-L1-875XE-01 License Plate Camera</b>	<b>REG-L1-875XE-01</b>
License plate reader with LED, 75 mm lens, SX8 camera, EIA, 55 to 80 ft, psu separate	
<b>REG-L1-875XC-01 License Plate Camera</b>	<b>REG-L1-875XC-01</b>
License plate reader with LED, 75 mm lens, SX8 camera, CCIR, 21 to 30 m (70 to 100 ft), psu separate	
<b>Accessories</b>	
<b>EXMB.017B Wall Mount Adapter Bracket</b>	<b>EXMB.017B</b>
Wall Mount Adapter, Black	
<b>EXMB.028B Cable Managed Wall Bracket</b>	<b>EXMB.028B</b>
Cable-managed arm bracket, black	
<b>EXMB.015B Pole Mount Adapter Bracket</b>	<b>EXMB.015B</b>
Pole Mount Adapter, black	
<b>EXMB.061 Pole Top Bracket</b>	<b>EXMB.061</b>
Stainless Pole Top Bracket	
<b>EXMB.029B Ceiling Mount Bracket</b>	<b>EXMB.029B</b>
Ceiling Mount Bracket, Black	
<b>UPA-2450-60 Power Supply</b>	<b>UPA-2450-60</b>
120VAC, 60Hz, 24VAC, 50VA Out	
<b>UPA-2450-50 Power Supply</b>	<b>UPA-2450-50</b>
220VAC, 50Hz, 24VAC, 50VA Out	



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