

Key Features

- Extreme's proprietary DHC-Imaging™ technology for definitive high-contrast license plate capture
- Second camera provides overview vehicle images that show shape, color and other vehicle details.
- Precision engineered optics captures plates from vehicles moving up to 100mph (~160kph) for high speed applications
- Metaphase-LEDs deliver powerful infrared illumination for effective license plate capture up to 75ft
- Advanced ambient rejection technology solves problems related to glare from sunlight, headlights and high-beams
- 600TVL 1/2" LXR CCD for excellent license plate capture under IR
- 480TVL 1/3" LXR CCD for color overview vehicle image
- 24/7 license plate capture in day or dark conditions
- Energy efficient operation at 12VDC or 24VAC
- Installer-friendly design suitable for harsh weather conditions
- Long-life LEDs save time and money by eliminating bulb changes
- High-contrast DHC-Imaging™ allows optimal DVR integration or Automatic License Plate Recognition (ALPR) performance
- DHC-Imaging™ technology delivers images of both conventional plates and Digital License Plates (DLPs)

Product Description

REG-D1 - featuring DHC-Imaging™ - delivers advanced performance license plate capture for technical surveillance and represents the third generation of license plate capture solutions from Extreme CCTV. Combining Extreme's latest proprietary technology, DHC-Imaging™ integrates advances in optics, infrared illumination and Ambient Rejection technology to produce high-contrast license plate images characterized by unmatched clarity. Simultaneously, a second camera captures color overview images of vehicles for additional video evidence.

Using solid-state Metaphase-LEDs, REG-D1 achieves an operational range from 12ft to 75ft, previously unattainable for any LED-based capture system. Combined with Extreme's Ambient Rejection technology, REG-D1 provides high-contrast license plate capture across the complete spectrum of ambient lighting conditions from total darkness to direct glare from sunlight or high-beams.

Consisting of a 1/2" LXR CCD, DHC-Imaging™ technology captures plates from vehicles moving up to 100mph (160kph). REG-D1's breakthrough speed capability now enables effective license plate capture for highway and other high speed applications. Additionally, DHC-Imaging™ has capture capability for not only conventional plates, but also Digital License Plates (DLPs). A 1/3" LXR CCD equipped with a 5-50mm VF lens captures overview vehicle images in 480TVL color.

REG-D1 is housed in a weather-sealed unit compliant to NEMA4, proven for successful application in extreme environments. The high-efficiency Metaphase-LED array eliminates the need for routine bulb changes while allowing REG-D1 to operate at either 12VDC or 24VAC.

REG-D1 integrates seamlessly with industry standard DVRs, IP video servers and wireless broadband equipment. The DHC-Imaging™ technology is precision engineered to deliver high-contrast images for intelligent software platforms such as REG-ALERT for Automatic License Plate Recognition (ALPR) applications.

Product Images



REG-D1 delivers definitive high-contrast images of license plates. Shown here with EXMB.028B and EXMB.017B bracketry.



The DHC-Imaging™ technology in REG-D1 captures plates from vehicles moving at up to 100mph under any lighting conditions. A second color camera delivers an overview image of the vehicle that shows shape, color and other vehicle details.

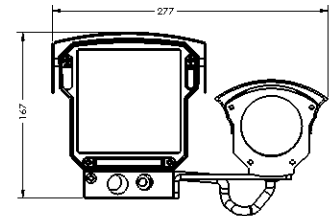
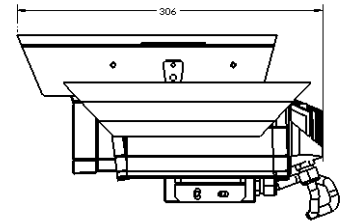
Applications

- Government buildings
- Traffic monitoring
- Borders
- Parkades
- Toll Booths
- Airports
- Hotels
- Highways
- Private estates
- Law enforcement
- 12VDC or 24VAC environments
- Digital License Plates (DLP)

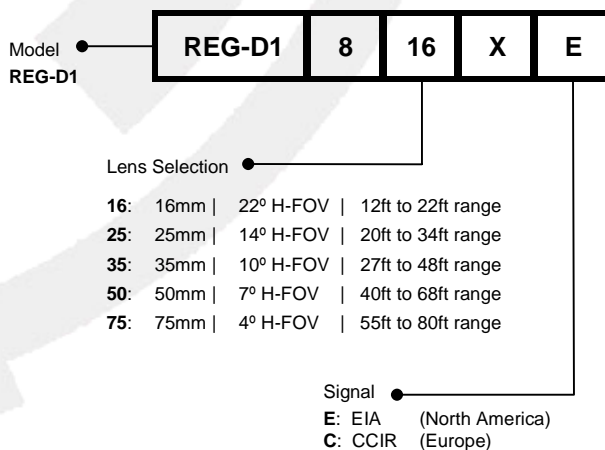
Automatic License Plate Recognition (ALPR) applications

Specifications

REG-D1 License Plate Capture with DHC-Imaging™					
General Specifications					
CCDs	License Plate Capture CCD		Color Overview CCD		
Sensor	1/2" SX800 Interline LXR CCD		1/3" CX600 Interline LXR CCD		
Resolution	600 TVL		480 TVL		
Effective Pixels	EIA: 811 (H) x 508 (V)		NTSC: 811 (H) x 508 (V)		
S/N Ratio	Greater than 48dB		Greater than 48dB		
Video Output	High-contrast, 1 V p-p @ 75 ohm		1 V p-p @ 75 ohm		
Sensitivity	Zero lux - works in total darkness		0.1 Lux at F1.2		
Lens	Select from below		Varifocal 5-50mm with auto-iris		
Infrared Illumination	850nm				
LEDs	Metaphase-type LEDs, high-efficiency array				
Power Requirements	12VDC, 3.0A or 24VAC, 1.5A				
Power Consumption	Maximum 27W (2.3A @ 12VDC or 1.2A @ 24VDC)				
Color	Black standard				
Construction	Robust cast and extruded aluminum, NEMA 4 compliant				
Operating Temperature	-50°C to 50°C -58°F to 122°F				
Environmental	Integral heater and sunshield				
Weight	6.2 kg 13.7 lbs				
Dimensions	383mm L x 277mm W x 283mm H 15.1" L x 10.9" W x 11.1" H				
Bracketry	Not included. Select from optional accessories				
Power Supply	Not included. Select from optional accessories				
Lens Selection for License Plate Capture CCD					
Monochrome Lens Options	16mm	25mm	35mm	50mm	75mm
Horizontal Field of View	22°	14°	10°	7°	4°
Operational Range	12-22ft	20-34ft	27-48ft	40-68ft	55-80ft



Part Numbers



Optional Accessories

REG-PS1	Power Supply 120VAC to 12VDC or 24VAC (w/ auxiliary output for color overview camera)
EXMB.028	Cable Managed Wall Bracket
EXMB.029	U-Bracket
EXMB.015	Pole Mount Adapter
EXMB.017	Wall Mount Adapter
EXMB.061	Pole Top Bracket

Note:
 Extreme CCTV power supply units for in-field REG-DCxxx, REG-SLxxx models and existing cabling may be used with REG-D1.