

AN traffic 4000 LPR

www.boschsecurity.com



BOSCH
Invented for life



These License Plate Recognition (LPR) outdoor IR bullet cameras are compact, stylish surveillance cameras that offer excellent resolution in low light conditions. The high performance 960H 1/3-inch CCD sensor provides a resolution of 720TVL. The LPR function ensures the best image performance when reading reflective license plates. The water resistant (IP66 rated) and vandal resistant (IK08 rated) housing ensures reliable video surveillance in a variety of indoor and outdoor applications. This integrated IR camera has 10 infrared LEDs providing up to 28 m (92 ft) of night vision.

System overview

The adjustable high powered IR beam in combination with a special light filter provides reliable license plate capture in all lighting and weather conditions. The external lens adjustment levers of the 5 to 50 mm varifocal lens allow the capture range to be selected between 4.8 m (16 ft) and 27 m (91 ft).



- ▶ Ultra high resolution 960H (1/3") sensor
- ▶ Optimized for License Plate Recognition (LPR)
- ▶ Enhanced digital noise reduction
- ▶ Integrated IR LEDs for 28 m of night vision
- ▶ Vandal and water resistant enclosure

Functions

The camera is easy to install with special OSD installation and license plate menus to help set the capture parameters to suit your application. The camera can capture license plate at speeds up to 120 km/h (75 mph).

Certifications and approvals

FCC	ANSI C 63.4:2003 FCC Part 15 Subpart B Class A
UL	UL 60065, 7th Edition, 2007-12-11 CAN/CSA-C22.2 No. 60065-03, 1st Edition, 2006-04 + A1:2006
EU	EN55022:2010 EN50130-4:2011 EN61000-3-3:2008
LVD	LVD 2006/95/EC EN 60065:2002+A1+A2+A11+A12
IP	IP 66 KS C IEC 60529:2006

Region	Certification
Europe	CE

Technical specifications

Image Sensor	960H, 1/3" CCD, sensor resolution 720TVL
System	PAL or NTSC
Total pixels (H x V)	1020 x 596 (PAL) 1020 x 508 (NTSC)
Effective pixels (H x V)	976 x 582 (PAL) 976 x 494 (NTSC)
Lens type	Varifocal auto Iris lens built-in
Focal length	5 to 50 mm
Lens aperture	F1.4 – 360
Lens adjustment	External
Video Output	Composite: 1 Vpp, 75 Ohm
Supply Voltage	12 VDC or 24 VAC
Power Consumption	600 mA (12 VDC) max. 7.7 W (24 VAC) max.
Sync. System	Internal sync.
S/N Ratio (AGC off)	50 dB min.
Sensitivity	B/W (with IR) 0.0 lx
Electronic shutter	1/250 – 1/100,000
IR illumination	10 on-board IR LEDs, 850 nm
IR range	Up to 28 m (92 ft)
IR angle	24° / 24° (H/V)
Maximum capture speed	120 km/h (75 mph)
OSD language	English, German, French, Russian, Portuguese, Spanish
Mounting	Cable-managed mounting bracket included
Dimensions (Ø x L)	95 x 150 mm (3.74 x 5.9 in)
Weight (including bracket)	1.9 kg (4.19 lb)
Housing	Casted / machined aluminum
Color	Camera / bracket: RAL9003
Water/dust protection	IP66
Impact resistance	IK08
Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F)

Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage Humidity	20% to 90% RH

Ordering information

AN traffic 4000 LPR

960H analog outdoor infrared bullet camera with license plate recognition. IP66; IK08; 12VDC/24VAC; true day/night; WDR; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 5 to 50 mm lens; PAL
Order number **VLR-4075-V511**

AN traffic 4000 LPR

960H analog outdoor infrared bullet camera with license plate recognition. IP66; IK08; 12VDC/24VAC; true day/night; WDR; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 5 to 50 mm lens; NTSC
Order number **VLR-4075-V521**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security
Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com