

AN bullet 4000

www.boschsecurity.com



BOSCH

Invented for life



- ▶ Ultra high resolution 960H (1/3") sensor
- ▶ Digitally Extended Dynamic Range
- ▶ Digital noise reduction
- ▶ True Day/Night switching
- ▶ Vandal and water resistant enclosure

These outdoor bullet cameras are stylish surveillance cameras that offer excellent resolution in variable lighting conditions. The high performance 960H 1/3-inch CCD sensor provides a resolution of 720TVL. The water resistant (IP66 rated) and vandal resistant (IK08 rated) housing ensures reliable video surveillance in a variety of indoor and outdoor applications.

The cameras are easy to install and parameters can be set individually. Privacy zones and motion detection functions can be set up in the handy camera menu system.

The true day/night feature automatically switches from color to monochrome using a mechanical IR filter depending on the available light.

System overview

The camera is supplied ready to operate. For especially challenging situations where fine tuning or special settings are required, the camera parameters can be individually set using the control buttons on the camera and an On-Screen Display (OSD).

Functions

Day/Night mode

The true day/night feature provides enhanced night viewing. The mechanical IR filter switches from color to monochrome automatically by sensing the illumination level.

Ideal picture performance

There are many settings available to help fine-tune the picture performance to match your installation environment. These include:

- BLC – automatically and dynamically compensates for strong backlight
- HLC – reduces glare from highlight areas
- Digital dynamic range – extends dynamic range of visible areas
- Contrast and sharpness – enhance details in bright or misty scenes
- Dynamic noise reduction – dynamically reduces noise in the picture

Privacy masking

Four different privacy zones allow specific parts of a scene to be blocked. Pre-program any part of the scene to be masked.

Video Motion Detection

The built-in video motion detector allows you to select four programmable areas with sensitivity thresholds. When motion is detected, alarms can be displayed in the video signal.

Typical applications:

- Museums and art galleries
- Shopping centers
- Offices
- Schools, colleges and universities
- Petrol/gas stations

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	EN 55022:2006/A1:2007 EN 50130-4:1995/A2:2003 EN 61000-3-3:2008
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	2.8 to 12 mm
Lens aperture	F1.4 – 360
Lens adjustment	Internal
Day/Night switching	True Day/Night mechanical filter
Video Output	Composite: 1 Vpp, 75 Ohm
Supply Voltage	12 VDC or 24 VAC
Power Consumption	190 mA (12 VDC) max. 2.9 W (24 VAC) max.
Sync. System	Internal sync., Line-lock

S/N Ratio (AGC off)	50 dB min.
Sensitivity (F1.4, 50IRE, AGC max.)	Color: 0.5 lx Mono: 0.02 lx
Electronic shutter	1/50 – 1/10,000 (PAL) 1/60 – 1/10,000 (NTSC)
AGC	0 to 20
Digital Noise Reduction (DNR)	Off, On (adjustable)
Dynamic Range (DYN)	Off, On (adjustable)
White Balance	ATW, Push, User1, User2, Anti CR, Manual, Push lock
Light compensation	OFF, BLC, HLC
Day/Night	Auto, Color, B/W
Burst	On, Off
Motion detection	On, Off (4 programmable zones)
Privacy	On, Off (4 programmable zones)
Sharpness	0 - 15
OSD language	English, Japanese, German, French, Russian, Portuguese, Spanish, Simplified Chinese
Mounting	Cable-managed mounting bracket included
Dimensions (Ø x L)	70 x 120 mm (2.75 x 4.72 in)
Weight (including bracket)	0.96 kg (2.12 lb)
Housing	Casted / machined aluminum
Color	Camera / bracket: Black RAL9017 Sunshield: Silver grey RAL9006
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 bullet 4000 (PAL)

960H Outdoor bullet camera, 2.8 to 12 mm varifocal lens, 12 VDC/24 VAC, PAL
Order number **VTN-4075-V311**

AN bullet 4000 (NTSC)

960H Outdoor bullet camera, 2.8 to 12 mm varifocal lens, 12 VDC/24 VAC, NTSC
Order number **VTN-4075-V321**

AN bullet 4000 (PAL) China

960H Outdoor bullet camera, 2.8 to 12 mm varifocal lens, 12 VDC/24 VAC, PAL, China
Order number **VTN-4075-V311C**

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
al.securitysystems@bosch.com
www.boschsecurity.com