

# AN bullet 4000 IR

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Invented for life



- ▶ Ultra high resolution 960H (1/3") sensor
- ▶ Digitally Extended Dynamic Range
- ▶ Digital noise reduction
- ▶ Integrated IR LEDs for 30 (60) m of night vision
- ▶ Vandal and water resistant enclosure

These outdoor IR 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 available with either a 2.8 to 12 mm or a 9 to 22 mm varifocal lens. 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

### Built-in IR illuminator

The integrated infrared LEDs provide up to 30 m (100 ft) of night vision for the VTI-4075V3xx version and 60 m (200 ft) for the VTI-4075V9xx version.

### 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
	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 (VTI-4075V3xx) 9 to 22 mm (VTI-4075V9xx)
Lens aperture	F1.4 – 360 (VTI-4075V3xx) F1.6 – 360 (VTI-4075V9xx)
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 (VTI-4075V3xx)	430 mA (12 VDC) 5.7 W max. (24 VAC)
Power Consumption (VTI-4075V9xx)	440 mA (12 VDC) 5.9 W max. (24 VAC)
Sync. System	Internal sync., Line-lock
S/N Ratio (AGC off)	50 dB min.
Sensitivity (F1.4, 50IRE, AGC max.)	Color: 0.15 lx (DSS 0.0005 lx) B/W (with IR) 0.0 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	ired, Auto, Color, B/W
Burst	On, Off
IR illumination	IR LEDs, 850 nm
IR range (VTI-4075V3xx)	Up to 30 m (100 ft)
IR range (VTI-4075V9xx)	Up to 60 m (200 ft)
IR angle (VTI-4075V3xx)	60° / 60° (H/V)
IR angle (VTI-4075V9xx)	24° / 24° (H/V)
Motion detection	On, Off (4 programmable zones)
Privacy	On, Off (15 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 IR (PAL) 2.8 to 12 mm

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

#### AN bullet 4000 IR (NTSC) 2.8 to 12 mm

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

#### AN bullet 4000 IR (PAL) 9 to 22 mm

960H Outdoor IR bullet camera, 9 to 22 mm varifocal lens, 12 VDC/24 VAC, PAL  
Order number **VTI-4075-V911**

#### AN bullet 4000 IR (NTSC) 9 to 22 mm

960H Outdoor IR bullet camera, 9 to 22 mm varifocal lens, 12 VDC/24 VAC, NTSC  
Order number **VTI-4075-V921**

#### AN bullet 4000 IR (PAL) 2.8 to 12 mm China

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

#### AN bullet 4000 IR (PAL) 9 to 22 mm China

960H Outdoor IR bullet camera, 9 to 22 mm varifocal lens, 12 VDC/24 VAC, PAL, China  
Order number **VTI-4075-V911C**

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