BOSCH
Invented for life

G3B Series BasicDome Economical Systems

- ▸ **16x optical zoom**
- ▸ **Integrated high performance color camera system**
- ▸ **High speed**
- ▸ **Affordable, yet feature-rich**
- ▸ **Easy to install**
- ▸ **Remotely configurable (Bilinx, Bi-Phase, RS-232)**
- ▸ **Sector and preset titling**
- ▸ **Patented AutoPivot and Auto Scaling**
- ▸ **Three-year warranty**

The BasicDome camera is the economical high speed camera solution for indoor security applications. It offers a faster, a quieter and a smoother operation than ever before in a dome in this price range. The BasicDome is the perfect choice for those who want the assurance of the Bosch name, at an affordable price.

Remote control, configuration, and updates can be performed over the video cable (coax or passive UTP) when using Bilinx-compatible control and configuration devices (such as the VP-CFGSFT configuration tool or LTC 8016 Allegiant Bilinx Interface).

The menu for these devices can display multiple languages, including: English, French, German, Spanish, Portuguese and Polish.

Functions

The BasicDome is designed to save you time as well as money. The same camera assembly easily locks into either the pendant mount or the in-ceiling box.

It includes an on-screen display for remote programming, so you can set it up correctly the first time, and easily optimize the camera under changing conditions. Even the BasicDome address is set remotely using Bosch FastAddress.
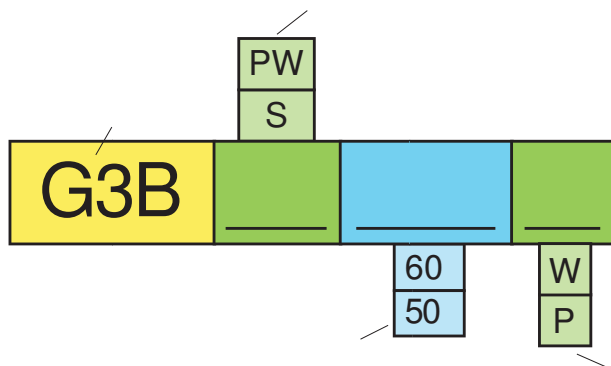
A rugged motor with fewer moving parts allows the BasicDome to use less power and to be extremely reliable, making it ideal for high-usage applications.

As with all AutoDome systems, the BasicDome includes our patented AutoPivot feature that automatically rotates and flips the camera, so tracking a subject under the dome is effortless. The BasicDome's design, flexibility, and versatility make this feature-rich camera an affordable and valuable addition to any security system.

Installation/Configuration Notes

1	AutoDome	
2	PW–Pendant White S–Suspended Ceiling	
3	W–Wall[1] P–Pipe[1]	
4	60–24 VAC, 60 Hz NTSC 50–24 VAC, 50 Hz PAL	

1. Wall and pipe mount kits apply only to pendant models.

Technical Specifications

Electrical

Color Camera

Imager	Interline transfer CCD 1/4 in. image format

Active Pixels

PAL Model (H x V)	752 x 582
NTSC Model (H x V)	768 x 494
Lens	16x zoom (4.1–65.6 mm)
	F1:1.4 to F1:3.0
Focus	Automatic with manual override
Iris	Automatic with manual override
Field of View	2.7° to 48°
Video Output	1.0 Vp-p, 75 Ohm
Gain	Off / auto
Synchronization	Line-Lock (−120° to 120° vertical phase adjust) or internal crystal
Aperture Correction	Horizontal and vertical
Digital Zoom	Not applicable

Horizontal Resolution

NTSC Model	470 TVL
PAL Model	460 TVL

Sensitivity

Sensitivity (Minimum Usable Video: 20 IRE)	0.5 lux (0.05 fc)
Sensitivity (Usable Video: 50 IRE)	0.8 lux (0.08 fc)
Signal-To-Noise Ratio	>50 dB
White Balance	2000 K to 10,000 K

Environmental

Design Rating	IP 31 (NEMA 2)
Operating Humidity	0%–90% non-condensing
Operating Temperature	−10°C to 50°C (14°F to 122°F)
Storage Temperature	−40°C to 60°C (−40°F to 140°F)

Incompatibility Statement

Bosch BasicDomes use the remote addressing feature, FastAddress, exclusively. There is no manual way to set the address using switches. Because of this, these domes are not compatible with Bosch systems that meet the following criteria:

Fixed Speed Keyboards

- LTC 8500/LTC 8600/LTC 8800 CPUs version 5.2 or older.
- Any LTC 8500/LTC 8600/LTC 8800 CPUs without two (2) 8-position dip switches.
- Any LTC 8600/LTC 8800 sold before 6/94 and LTC 8500 sold before 5/95.

Older LTC 8500/LTC 8600/LTC 8800 systems can be upgraded by replacement of CPU with current version. Changes to other system accessories may also be necessary when upgrading to variable speed (for example, keyboards, receiver/drivers, port expanders, etc.).

Mechanical

Weight	1.7 kg (3.7 lb)
Pan/Tilt	360° continuous, 0°to 90° tilt
Pre-position Speed	360°/sec., ±0.5° accuracy
Variable Speed	120°/sec.
Power Consumption	15 W

Miscellaneous

Camera Setup Control	Bi-phase or RS-232
Pre-Positions	99, each with 16-character titles
Guard Tour	• Recorded tours - two (2), with a total duration of 15 minutes. • All camera functions stored in memory.
Addressing	FastAddress remote addressing
Sectors/Titling	16 independent sectors with 16-character titles/sector.

Ordering Information

G3B51C BasicDome Color Camera Module   **G3B51C**
16x color, PAL, indoor drop ceiling, tinted dome, 24 VAC, 50 Hz

G3B61 BasicDome Color Camera Module   **G3B61**
16x color, NTSC, indoor drop ceiling, color, tinted dome, 24 VAC, 60 Hz

G3BS BasicDome Backbox   **G3BS**
indoor drop ceiling kit

G3BS50 BasicDome Color Kit   **G3BS50**
16x color, PAL, indoor drop ceiling, tinted dome, 24 VAC, 50 Hz

G3BS60 BasicDome Color Kit   **G3BS60**
16x color, indoor drop ceiling, tinted dome, 24 VAC, 60 Hz

G3BS50 BasicDome Color Kit   **G3BS50W**
16x color, indoor suspended ceiling, wall mount, tinted dome, 24 VAC, 50 Hz

G3BS50P BasicDome Color Kit   **G3B50P**
16x, color, indoor suspended ceiling, pipe mount, tinted dome, 24 VAC, 50 Hz

G3BS60W BasicDome Color Kit   **G3BS60W**
16x color, indoor suspended ceiling, wall mount, tinted dome, 24 VAC, 60 Hz

G3BS60P BasicDome Color Kit   **G3BS60P**
16x color, indoor suspended ceiling, pipe mount, tinted dome, 24 VAC, 60 Hz

G3BPW BasicDome Backbox   **G3BPW**
pendant, white

G3BPW50W BasicDome Color Kit   **G3BPW50W**
16x color, PAL, indoor pendant, wall mount, tinted dome, white, 24 VAC, 50 Hz

G3BPW50P BasicDome Color Kit   **G3BPW50P**
16x color, PAL, indoor pendant, pipe mount, tinted dome, white, 24 VAC, 50 Hz

G3BPW60W BasicDome Color Kit   **G3BPW60W**
16x color, NTSC, indoor pendant, wall mount, tinted dome, white, 24 VAC, 60 Hz

G3BPW60P BasicDome Color Kit   **G3BPW60P**
16x color, NTSC, indoor pendant, pipe mount, tinted dome, white, 24 VAC, 60 Hz

G3BPC BasicDome Pendant Backbox   **G3BPC**
Charcoal

G3BPC60P BasicDome Color Kit   **G3BPC60P**
16x color, indoor pendant, pipe mount, tinted dome, charcoal, 24 VAC, 60 Hz

G3BPC60W BasicDome Color Kit   **G3BPC60W**
16x color, indoor pendant, wall mount, color (NTSC), tinted dome, charcoal, 24 VAC, 60 Hz

G3B BasicDome Dummy Kit   **G3B**
dome and trim ring only

Ordering Information

Accessories

TC220PSX-24 Power Supply Unit   **TC220PSX-24**
230 VAC/20 VAC, 50 Hz, 20 VA

Software Options

VP-CFGSFT Bilinx Configuration Tool   **VP-CFGSFT**
configuration software with USB adapter