G3 EnviroDome™ Systems

- **Slow Shutter Control (Frame Integration)**
- **Rugged Weather-resistant Design**
- **Available in Color, B/W, or Day/Night Versions**
- **Ultra High Sensitivity**
- **High Resolution**
- **Remotely Configurable**
- **Patented AutoPivot & Auto Scaling Features**
- **Sector & Preset Titling**
- **FastAddress Remote Addressing**
- **Three Year Warranty**
- **Multilingual Displays**

Philips' G3 EnviroDome™ is available in 3 different camera versions: color, monochrome, and a day/night version which switches from color to monochrome when light levels drop, such as at night. All three versions are offered in a small, easy-to-install, weather-resistant package, making it an inconspicuous, effective deterrent.

The day/night EnviroDome can be programmed to switch into night mode (from color to b/w) by removing the IR filter when light levels drop below the specified threshold. From the keyboard, the user can also choose to switch modes manually.

Slow shutter control (frame integration) is now standard on all color and day/night AutoDomes. This option allows the camera to reduce the shutter speed to as little as 1/4-sec, thus increasing the sensitivity to nearly 0.03 lux.

The G3s offer remote addressing through our FastAddress capability, allowing you to install all the domes first and then set the addresses afterwards from the control system. Since it is not necessary to go to the camera's physical location, this feature also makes it easier to readdress cameras at a later time.

Another option of the G3 EnviroDome is the fiber optic transmission of both video and control signals over a single fiber for distances up to 4 km (2.5 mi).

This attractive integrated unit, designed to meet IP66 and NEMA 4, offers a wide operating temperature range, and its low profile makes it stable in windy conditions. Add high speed panning and tilting with 360° continuous rotation and 0.5° accuracy on presets and you can get to any pre-position, with great accuracy, in less than a second. In addition, the patented scaling feature ensures you have optimum control for viewing at all zoom settings.

To ensure reliability, G3 EnviroDomes are manufactured with rugged new motors and fewer moving parts, making them ideal for high-usage applications.

The G3 EnviroDome is designed to save you time. The camera easily twists and locks into place, making installations a breeze. It includes an on-screen display during programming, so you set it up right the first time. It also comes standard with 16-character sector titling (16 sectors) and pre-position titling (99 pre-positions) so that you always know what you are viewing.

The auto-playback (Guard Tour) feature allows you to store 2 separate types of guard tours: two (2) recorded tours and one (1) preset tour. The recorded guard tours can have a combined duration of 15 minutes. Recorded tours consist of control commands and can be played back when needed. All camera position information is stored for maximum flexibility (including pan, tilt, zoom, etc.). The preset tour consists of up to 99 scenes consecutively.

As with all Philips AutoDome® systems, the G3 includes our patented AutoPivot feature that automatically rotates and flips the camera, so tracking a subject under the dome is effortless.

You can use your Philips Allegiant® control systems or G3 keyboard to set limits, pan between limits, control the phase adjustable line-lock delay, set the AGC, activate backlight compensation, or perform any other advanced feature that comes standard with every G3 dome.

The G3 EnviroDome offers a variety of styles and mounting options for all applications and includes multilingual displays. The supported languages are English, French, German, and Spanish.

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G3 ENVIRODOME SPECIFICATIONS

		COLOR	DAY/NIGHT	MONOCHROME
Camera	Imager	1/4-in IT CCD (752 x 582 PAL) (768 x 494 NTSC)		1/3-in IT CCD (752 x 697 PAL) (752 x 582 NTSC)
	Lens	18X Zoom (4.1 mm–73.8 mm)		16X Zoom (4.5 mm–72 mm)
		F1: 1.4 to F1: 3.0		F1: 1.2 to F1: 2.7
	Focus	Automatic with manual override		Automatic w/manual override
	Iris	Automatic with manual override		Automatic with manual override
	Field of View	2.7° to 48°		3.4° to 57°
	Video Output	1.0 Vp-p, 75 ohms		1.0 Vp-p, 75 ohms
	Gain Control	Off/Auto/Fixed		Off/Auto
	Synchronization	Line-lock (–120 to 120° vertical phase adjust) or internal crystal		Line-lock 0 to 360° vertical phase adjust) or internal crystal
	Full Video Level	750 mVp-p with 50% APL typ (1.0 V max)		1 Vp-p with 50% APL typ (1.3 V max)
	Aperture Correction	Horizontal and vertical		Horizontal and vertical
	Digital Zoom	12X		N/A
	Horizontal Resolution	470 TVL (NTSC) 460 TVL (PAL)		550 TVL (typ)
	Sensitivity (Usable Video)	0.05 fc/0.5 lx w/slow shutter **off** 0.0031 fc/0.031 lx w/slow shutter **on**	0.05 fc/0.5 lx day mode w/slow shutter **off** 0.0031 fc/0.031 lx night mode w/slow shutter **off** 0.0031 fc/0.031 lx day mode w/slow shutter **on** 0.0004 fc/0.004 lx night mode w/slow shutter **on**	0.008 fc/0.08 lx
	SNR	>50 dB		>55 dB
	White Balance	2000 K to 10,000 K		N/A

Environmental	Humidity	0% to 90% relative, noncondensing
	Ingress Protection	Designed to meet IP66 (NEMA 4)
	Operating Temp	–40°C to 50°C (–40° F to 122° F)
	Storage Temp	–40°C to 60°C (–40° F to 140° F)

Mechanical	Weight	5.9 kg (13 lb)
	Pan/Tilt	360° continuous pan, 0 to 90° tilt from horizontal plane
	Pre-position Speed	360°/sec, ± 0.50° accuracy
	Variable Speed	120°/sec

Fiber Optic Accessories	Optical Fiber Compatibility	50/125 mm, 62.5/125 mm, low loss multimode glass fiber, rated for a minimum system bandwidth of 20 MHz (video 850 nm/control 1300 nm)
	Max Distance	4 km (2.5 miles)

Power	Power	21–28 VAC, 50/60 Hz Camera input - 20 W Maximum Heater input - 30 W Maximum

Miscellaneous	Sectors/Titling	16 independent sectors with 16-character titles/sector
	Camera Setup/Control	Biphase or RS-232
	Pre-positions	99 each with 16-character titles
	Guard Tours	2 Separate Types of Tours: Recorded Tours - Two (2), totaling 15 minutes duration for both Preset Tour - One (1), consisting of up to 99 scenes consecutively
	Addressing	FastAddress remote addressing or 4 digit thumbwheel

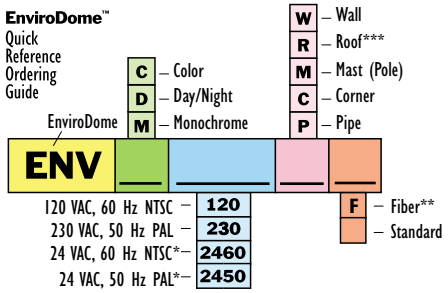
† 425 TVL in NTSC versions with digital zoom.

Ordering Information:

Use the following chart to create your order numbers based on the example below.

Sample: **ENVC120W_**

- EnviroDome
- Color
- 120 VAC 60 Hz
- Wall Mount
- No Fiber Option



* NOTE: No transformer included. Customer must supply 24 VAC, 50 VA transformer (LTC 5401 or equivalent). Not available with fiber optic option.

** Fiber option only available in kits with transformers. For kits without transformers, an LTC 4628 may be used with standard ENV kit. Each fiber kit requires an LTC 4629 at the system.

*** Roof mount mounts to vertical parapet. For flat roof installations, you must also order the LTC 9230/01 Flat Roof Adapter Plate.

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