

- Now Available in 25X Day/Night Versions Plus Color, B/W & 18X Day/Night
- Digital Image Stabilization (25X)
- Privacy Masking & Sector Blanking
- Slow Shutter Control (Frame Integration)
- Rugged Weather-resistant Design
- High Resolution/Sensitivity
- Remotely Configurable
- Patented AutoPivot & Auto Scaling Features
- Three Year Warranty
- Multilingual Displays

Philips' G3 EnviroDome™ is available in 4 camera versions: color, monochrome, 25X day/night, and 18X day/night versions which switch from color to monochrome when light levels drop. All four versions are offered in a small, easy-to-install, weather-resistant package, making it an inconspicuous, effective deterrent.

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

Slow shutter control (frame integration) is standard on all color and day/night EnviroDomes. With this option, the camera can reduce the shutter speed to as little as 1/4-sec, thus increasing the sensitivity to nearly 0.002 lux in select models.

The G3s offer remote addressing via our FastAddress capability, allowing installation of all domes first, then setting the addresses via the control system. Since it is not necessary to go to the camera's physical location, this



feature 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 pan/tilt 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 optimal control for viewing at all zoom settings.

To further enhance performance, we've added digital image stabilization in the 25X day/night domes. This new feature compensates for slight camera movements, ensuring a steady picture, and is on/off controllable from the keyboard.

The 25X and 18X G3 domes now include Sector Blanking and Privacy Masking. Sector Blanking prohibits an operator from viewing any number of

the 16 sectors. Privacy masking expands on this capability, allowing you to create 6 independent rectangular masks that prohibit viewing of the selected area. These masks move as the unit pans, tilts, and zooms, ensuring consistent coverage.

AGC functionality has also been improved. The AGC can now be set to one of six predetermined limits, ensuring a properly exposed image in a wide variety of lighting conditions.

The G3 EnviroDome is designed to save you time, easily locking into place to make installations a breeze. Standard features include an on-screen display during programming, 16-character sector titling (16 sectors), and preposition titling (99 pre-positions).

The auto-playback (Guard Tour) feature allows storage of 2 types of guard tours: one (I) preset tour and two (2) recorded tours with a combined duration of 15 minutes. Recorded tours consist of control commands and can be played back as 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.

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G3 ENVIRODOME FEATURES

The following are some of the features that make the EnviroDome one of the most flexible domes in the industry. These adjustments can be made by the installer to customize the EnviroDome's operation to meet a particular customer's needs.

Camera Commands

- Picture quality settings such as White Balance and Sharpness.
- Max Gain: When Automatic Gain Control (AGC) is on, the EnviroDome allows selection of a specific max setting that the AGC can achieve, limiting graininess of the picture. The camera automatically adjusts to very low-light situations.
- Slow Shutter (Frame Integration): By slowing the shutter speed, the camera's sensitivity increases, resulting in visibility at much lower light levels. Available settings are fully automatic or one of 4 specific shutter speeds.
- Digital Zoom: A full 12x digital zoom can be utilized once the maximum optical zoom has been reached. If digital zoom is not desired, it can be disabled.

Day/Night Commands

- Night Mode: This feature switches the camera from Color to Monochrome and removes the IR filter, thus increasing the camera's sensitivity in low light applications. Settings are on, off, or fully automatic.
- Night Mode Threshold: When set to automatic, this feature determines the light level at which the camera will switch to night mode.
- Digital Stabilization (25X versions): Electronic compensation which filters out vibrations of up to 80% movement at 10 Hz, as caused by wind and other environmental conditions.

Dome Commands

- Sector Blanking: Video blanking in up to 16 specified sectors within total field-of-view.
- Privacy Masking: Up to six (6) areas can be masked from visibility.
- Guard Tours: There are two styles of Guard Tours:
 - The preset tour has capability for up to 99 presets, which can either be included or excluded from the tour. The dwell time can be

- specified, whereupon each of the included presets will be visited consecutively. This tour continues until operator intervention.
- Recorded tours (2) are available, which have a combined duration of 15 minutes of movements. These are recorded macros of an operator's movements, including Pan, Tilt, and Zoom activities, and can be played back in a continuous manner. This creates a smoother and more thorough type of automated tour.
- Inactivity: When an operator stops manual control of a dome, the inactivity option determines what the dome should do next, if anything. The options are to return to a specific preset, return to the automated tour previously executed, or do nothing. The installer can determine the duration of the inactivity period.
- Password Control: This feature allows the installer to determine the security level of dome commands. Available settings are as follows:
- Low (any user can access any option).
- Medium (a published command unlocks the commands [OFF-90-ENTER]).
- High (a four digit (modifiable) password is required to unlock the commands).

ENVIRODOME ACCESSORIES

Model	Description	Model	Description	
Wall Mounts		Pipe Mounts		
LTC 9544/00	Wall Mount Plate	LTC 9543/00	Pipe Mount Cap	
LTC 9540/60	Pendant Arm Mount with 120 V Transformer	LTC 9543/60	Pipe Mount with 120 V Transformer (LTC 5401	
LTC 9540/50	Pendant Arm Mount with 230 V Transformer		Enclosure)	
LTC 9540/60F	Pendant Arm Mount with 120 V Transformer	LTC 9543/50	Pipe Mount with 230 V Transformer (LTC 5401	
	and Fiber Optic Module		Enclosure)	
LTC 9540/50F	Pendant Arm Mount with 230 V Transformer and Fiber Optic Module	Roof (Parapet) Mounts		
		LTC 9230/00	Roof (Parapet) Mount	
LTC 9540/24	Pendant Arm Mount with Transformer Box	LTC 9230/60	Roof (Parapet) Mount with 120 V Transformer (LTC 5401 Enclosure)	
LTC 9540/00	Pendant Arm Mount	_		
Corner Mounts		LTC 9230/50	Roof (Parapet) Mount with 230 V Transformer	
LTC 9542/00	Corner Mount Plate		(LTC 5401 Enclosure)	
LTC 9542/60	Pendant Arm Corner Mount with 120 V	LTC 9230/01	Flat Roof Adapter Plate (for use with LTC 9230	
	Transformer		Series Mounts)	
LTC 9542/50	Pendant Arm Corner Mount with 230 V	Power Supplies		
	Transformer	LTC 5401/60	120 V Enclosed Outdoor Transformer	
LTC 9542/60F	Pendant Arm Corner Mount with 120 V	LTC 5401/50	230 V Enclosed Outdoor Transformer	
	Transformer and Fiber Optic Module	LTC 5401/60F	I20 V Enclosed Outdoor Transformer with	
LTC 9542/50F	Pendant Arm Corner Mount with 230 V		Fiber Optic Module	
	Transformer and Fiber Optic Module	LTC 5401/50F	230 V Enclosed Outdoor Transformer with	
Pole (Mast) Mounts			Fiber Optic Module	
LTC 9541/00	Pole (Mast) Plate	Bubbles		
LTC 9541/60	Pendant Arm Pole (Mast) Mount with 120 V	BUB-ENVPWCL	Clear Bubble Assembly	
	Transformer	BUB-ENVPWTI	Tinted Bubble Assembly	
LTC 9541/50	Pendant Arm Pole (Mast) Mount with 230 V		,	
	Transformer			
LTC 9541/60F	Pendant Arm Pole (Mast) Mount with 120 V			
	Transformer and Fiber Optic Module			
LTC 9541/50F	Pendant Arm Pole (Mast) Mount with 230 V			
	Transformer and Fiber Optic Module			

G3 ENVIRODOME SPECIFICATIONS

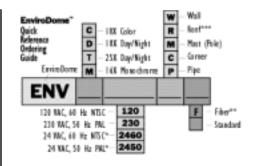
	18X COLOR	18X DAY/NIGHT	25X DAY/NIGHT	16X MONOCHROME	
Camera Imager	1/4-in	IT CCD	I/6-in IT CCD	I/3-in IT CCD	
		(752 x 582 PAL)		(752 x 697 CCIR)	
•		(768 x 494 NTSĆ)		(752 x 582 EIA)	
Lens	18X Zoom (4.	I mm – 73.8 mm)	25X Zoom (2.4-60 mm)	16X Zoom (4.5 mm – 72 mm)	
		to F3.0	F1.6 to F2.7	F1.2 to F2.7	
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° 2.0° to 45°			3.4° to 57°	
Video Output	1.0 Vp-p, 75 ohms			1.0 Vp-p, 75 ohms	
Gain Control	Off/Auto			Off/Auto	
Synchronization	Line-lock (–120 to 120° vertical			Line-lock 0 to 360° vertical	
,	phase adjust) or internal crystal			phase adjust) or internal crystal	
Aperture Correction	Horizontal and vertical			Horizontal and vertical	
Digital Zoom [I2X			N/A	
Horizontal Resolution	470 TVL (NTSC) 460 TVL (PAL)			550 TVL (typ)	
Sensitivity (Usable Video)				0.008 fc/0.08 lx	
- Day Mode w/Slow Shutter Off	0.025 fc/0.25 lx	0.025 fc/0.25 lx	0.2 fc/2.0 lx	_	
- Night Mode w/Slow Shutter Off	<u>—</u>	0.0031 fc/0.031 lx	0.025 fc/0.25 lx	<u> </u>	
- Day Mode w/Slow Shutter On	0.0016 fc/0.016 lx	0.0016 fc/0.016 lx	0.013 fc/0.13 lx	_	
- Night Mode w/Slow Shutter On		0.0002 fc/0.002 lx	0.0016 fc/0.016 lx		
· · · · · · · · · · · · · · · · · · ·			0.001010/0.01012	>EE 4D	
SNR	>50 dB 2000 K to 10.000 K			>55 dB	
White Balance		N/A			
Environmental Humidity	0% to 100% relative, condensing				
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		izontal plane			
Pre-position Speed	360°/sec, ± 0.50° accuracy				
Variable Speed	I20°/sec				
Fiber Optical Fiber Compatibility		50/125 mn	n, 62.5/125 mm, low loss mu	Iltimode glass fiher	
Optic Optical Fiber Compatibility	rated	for a minimum system	o 850 nm/control 1300 nm)		
Accessories Max Distance	4 km (2.5 miles)				
Power Power	21-28 VAC, 50/60 Hz				
101101	Camera input - 20 W Maximum Heater input - 30 W Maximum				
Miscellaneous Sectors/Titling		14 independent	store with 16 share store title	ocloator	
Camera Setup/Control	16 independent sectors with 16-character titles/sector Biphase or RS-232				
Pre-positions	99 each with 16-character titles				
Guard Tours	2 Types of Tours:				
Gual d Tours	2 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 L	FastAddress remote addressing or 4 digit thumbwheel				
Addressing Agency Listings	CE, UL				
Agency Listings [CL, UL		

ORDERING INFORMATION:

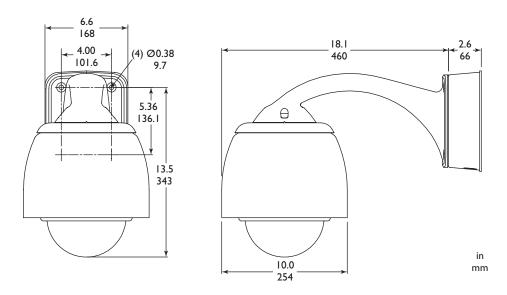
Use the following chart to create your order numbers based on the example below.

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.



G3 EnviroDome Dimensional Drawing

Updated June 21, 2002. Data subject to change without notice. Refer to www.philipscsi.com for latest information.



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