

# AutoDome® Camera Quick Guide



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All AutoDome 100, 200, 300 and 500i Series cameras are available in In-Ceiling, Indoor Pendant and Outdoor Pendant style housings.



















Standard Features	AutoDome 100 Series Fixed Dome Camera System	AutoDome 200 Series PTZ Camera System	AutoDome 300 Series Advanced PTZ Camera System	AutoDome 500i Series Intelligent PTZ Camera System
Interchangeable CPU, Camera and Comms Modules	Yes	Yes	Yes	Yes
Operating Temperature	Indoor Housing	14°F to 122°F (-10°C to 50°C)	14°F to 122°F (-10°C to 50°C)	14°F to 122°F (-10°C to 50°C)
	EnviroDome Outdoor Housing	-67°F to 122°F (-55°C to 50°C)*	-76°F to 122°F (-60°C to 50°C)*	-76°F to 122°F (-60°C to 50°C)*
	Pressurized Outdoor Housing	n/a	-76°F to 140°F (-60°C to 60°C)**	-76°F to 140°F (-60°C to 60°C)*
Protocol Support	n/a	Bosch Biphasic, RS232 & 485, Pelco "P" or "D", AD Manchester**, Sensormatic RS422**	Bosch Biphasic, RS232 & 485, Pelco "P" or "D", AD Manchester**, Sensormatic RS422**	Bosch Biphasic, RS232 & 485, Pelco "P" or "D", AD Manchester**, Sensormatic RS422**
Up the wire control/configuration	Yes, Bilinx	Yes, Bilinx	Yes, Bilinx	Yes, Bilinx
Privacy Masking/Sector Blanking	No	No	Yes	Yes
Pre-Positions	n/a	64	99	99
Guard Tour	n/a	1 Preset Tour	2 Preset Tours; 2 Recorded Tours	2 Preset Tours; 2 Recorded Tours
Remote Fast Address	n/a	Yes	Yes	Yes
AutoPivot and AutoScaling	n/a	Yes	Yes	Yes
Cable Compensation	No	No	Yes	Yes
Alarm Inputs/Relay Outputs	n/a	n/a	7/4	7/4
Warranty	3 Years	3 Years	3 Years	3 Years
<b>CPUs</b>				
	<ul style="list-style-type: none"> <li>Interchangeable Modules:                             <ul style="list-style-type: none"> <li>Pluggable upgrade to 200, 300 or 500i Series CPU</li> <li>"Hot-Swap" camera replacement or upgrades</li> <li>Pluggable Communications Module</li> </ul> </li> <li>Built-in Surge Suppression</li> </ul>	<ul style="list-style-type: none"> <li>Interchangeable Modules                             <ul style="list-style-type: none"> <li>Fast 360° per second pan/tilt speeds</li> <li>Advanced Troubleshooting and Diagnostics</li> <li>Diagnostic LEDs</li> <li>On-screen diagnostic displays</li> </ul> </li> <li>Built-in Surge Suppression</li> </ul>	Includes all of the features of the 200 Series plus: <ul style="list-style-type: none"> <li>Superior Privacy Masking:                             <ul style="list-style-type: none"> <li>24 masks</li> <li>Up to 8 masks per scene</li> </ul> </li> <li>Advanced alarm handling via "Rules" engine</li> </ul>	Includes all the advanced features of the 300 Series plus: <ul style="list-style-type: none"> <li>AutoTrack II</li> <li>Video Motion Detection</li> <li>"Virtual Masking" Technology</li> <li>Digital Image Stabilization</li> </ul>
<b>Cameras</b>				
Resolution	540 TVL	470 TVL	up to 540 TVL	up to 540 TVL
Sensitivity – Color Mode (30 IRE)	Day/Night: 0.29 lux F1.4, 1/60 (1/50) shutter, max AGC	18x Color: 0.5 lux F1.4, 1/60 (1/50) shutter, max AGC	26x Day/Night: 0.5 lux F1.4, 1/60 (1/50) shutter, max AGC	36x Day/Night: 0.6 lux F1.6, 1/60 (1/50) shutter, max AGC
Sensitivity – Night Mode (30 IRE)	Day/Night: 0.12 lux F1.4, 1/60 (1/50) shutter, max AGC	N/A	26x Day/Night: 0.1 lux F1.4, 1/60 (1/50) shutter, max AGC	36x Day/Night: 0.16 lux F1.6, 1/60 (1/50) shutter, max AGC
Day/Night	Yes	No	Yes	Yes
Lens	2.7mm to 13.5mm, f/1.2 5mm to 50mm, f/1.4	4.1mm to 73.8mm, f/1.4	4.1mm to 73.8mm, f/1.4 3.5mm to 91.0mm, f/1.6 3.4mm to 122.4mm, f/1.6	4.1mm to 73.8mm, f/1.4 3.5mm to 91.0mm, f/1.6 3.4mm to 122.4mm, f/1.6
Optical Zoom	5x (Varifocal) 10x (Varifocal)	18x	18x 26x 36x	18x 26x 36x
Digital Zoom	No	No	12x	12x
<b>Housings</b>				
Indoor	In-Ceiling, Pendant	In-Ceiling, Pendant	In-Ceiling, Pendant	In-Ceiling, Pendant
Outdoor	Pendant	Pendant	Pendant	Pendant
Ingress Protection	IP66/NEMA 4X (Pendant Housings)	IP66/NEMA 4X (Pendant Housings)	IP66/NEMA 4X (Pendant Housings)	IP66/NEMA 4X (Pendant Housings)
<b>Communications</b>				
Coax/UTP	Bilinx, UTP, Coax	Bilinx, UTP, Coax	Bilinx, UTP, Coax	Bilinx, UTP, Coax
Optional Ethernet (TCP/IP)	Cat5/Cat6 (UTP)	Cat5/Cat6 (UTP)	Cat5/Cat6 (UTP)	Cat5/Cat6 (UTP)
<b>Power Supplies/Mounts</b>				
Power Supplies:				
24VAC	1, 4, 8 or 16 cameras	1, 4, 8 or 16 cameras	1, 4, 8 or 16 cameras	1, 4, 8 or 16 cameras
120V, 230VAC	Yes	Yes	Yes	Yes
Indoor Mounts	Wall, Pipe, In-Ceiling	Wall, Pipe, In-Ceiling	Wall, Pipe, In-Ceiling	Wall, Pipe, In-Ceiling
Outdoor Mounts	Wall, Corner, Mast, Pipe, Flat Roof, Roof (Parapet)	Wall, Corner, Mast, Pipe, Flat Roof, Roof (Parapet)	Wall, Corner, Mast, Pipe, Flat Roof, Roof (Parapet)	Wall, Corner, Mast, Pipe, Flat Roof, Roof (Parapet)
<b>Fiber Optics</b>				
Optional Bi-Directional Analog Fiber Transceiver	Yes	Yes	Yes	Yes

\* With optional XT "extreme temperature" cold weather kit;  
\*\* Requires Alternate Protocols Module

# AutoDome Camera Quick Guide



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AutoDome Kit Number	Camera Assembly					Power and Mounting Kit		Description	Module Part #	
	Family	CPU	Camera Options	Housing Options	Comms Options	Power/Mounting Options	Fiber Option			
<b>AutoDome Modules</b>	<b>VG4</b>									
<b>CPUs</b> 		1						100 Series Controller (CPU)	VG4-MCPU-100	
		2						200 Series Controller (CPU)	VG4-MCPU-200	
		3						300 Series Controller (CPU)	VG4-MCPU-300	
		5						500i Series Controller (CPU)	VG4-MCPU-500	
	<b>Cameras</b>  		1	1					18x Color PTZ Camera (PAL)	VG4-MCAM-11
			2	1					18x Color PTZ Camera (NTSC)	VG4-MCAM-21
			1	2					18x Day/Night PTZ Camera (PAL)	VG4-MCAM-12
			2	2					18x Day/Night PTZ Camera (NTSC)	VG4-MCAM-22
			1	3					26x Day/Night PTZ Camera (PAL)	VG4-MCAM-13
			2	3					26x Day/Night PTZ Camera (NTSC)	VG4-MCAM-23
			1	4					36x Day/Night PTZ Camera (PAL)	VG4-MCAM-14
			2	4					36x Day/Night PTZ Camera (NTSC)	VG4-MCAM-24
			5	1					2.7-13.5mm Color Fixed Camera (PAL)	VG4-MCAM-51
			6	1					2.7-13.5mm Color Fixed Camera (NTSC)	VG4-MCAM-61
			5	2					2.7-13.5mm Day/Night Fixed Camera (PAL)	VG4-MCAM-52
		6	2					2.7-13.5mm Day/Night Fixed Camera (NTSC)	VG4-MCAM-62	
		5	3					5-50mm Color Fixed Camera (PAL)	VG4-MCAM-53	
		6	3					5-50mm Color Fixed Camera (NTSC)	VG4-MCAM-63	
	5	4					5-50mm Day/Night Fixed Camera (PAL)	VG4-MCAM-54		
	6	4					5-50mm Day/Night Fixed Camera (NTSC)	VG4-MCAM-64		
<b>Housings</b>    				C	C			In-Ceiling Housing with Clear Bubble <sup>3</sup>	VG4-MHSG-CC	
				C	T			In-Ceiling Housing with Tinted Bubble <sup>3</sup>	VG4-MHSG-CT	
				P	C			Indoor Pendant Housing with Clear Bubble	VG4-MHSG-PC	
				P	T			Indoor Pendant Housing with Tinted Bubble	VG4-MHSG-PT	
				E	C			Outdoor Pendant Housing with Clear Bubble	VG4-MHSG-EC	
				E	T			Outdoor Pendant Housing with Tinted Bubble	VG4-MHSG-ET	
				N	C			Nitrogen Pressurized Housing with Clear Bubble <sup>2</sup>	VG4-MHSG-NC	
				N	T			Nitrogen Pressurized Housing with Tinted Bubble <sup>2</sup>	VG4-MHSG-NT	
<b>Communications</b> 					0			Fixed Communications	VG4-MTRN-0 (for use with the 100 Series CPU only)	
					S			Standard (Coax/UTP) Communications <sup>4</sup>	VG4-MTRN-S	
					E			Ethernet (TCP/IP) Communications	VG4-MTRN-E	
<b>Power Supplies &amp; Mounts</b> <sup>1</sup>        						0	W	24 VAC In-Ceiling Mount <sup>5</sup>	(no additional module required)	
						0	M	24 VAC Pendant Arm (Wall Mount) <sup>5</sup>	VG4-A-PA0	
						0	C	24 VAC Pendant Arm (Mast Mount) <sup>5</sup>	VG4-A-PA0 + VG4-A-9541 (Mast Adapter Bracket)	
						0	R	24 VAC Pendant Arm (Corner Mount) <sup>5</sup>	VG4-A-PA0 + VG4-A-9542 (Corner Adapter Bracket)	
						0	P	24 VAC Pendant Roof Mount <sup>5,6</sup>	VG4-A-9230	
						0	P	24 VAC Pendant Pipe Mount <sup>5</sup>	VG4-A-9543	
						1	W	120 VAC Pendant Arm (Wall Mount)	VG4-A-PA1	
						1	M	120 VAC Pendant Arm (Mast Mount)	VG4-A-PA1 + VG4-A-9541 (Mast Adapter Bracket)	
						1	C	120 VAC Pendant Arm (Corner Mount)	VG4-A-PA1 + VG4-A-9542 (Corner Adapter Bracket)	
						1	R	120 VAC Pendant Roof Mount <sup>6</sup>	VG4-A-PSU1 + VG4-A-9230	
						1	P	120 VAC Pendant Pipe Mount	VG4-A-PSU1 + VG4-A-9543	
						2	W	230 VAC Pendant Arm (Wall Mount)	VG4-A-PA2	
						2	M	230 VAC Pendant Arm (Mast Mount)	VG4-A-PA2 + VG4-A-9541 (Mast Adapter Bracket)	
						2	C	230 VAC Pendant Arm (Corner Mount)	VG4-A-PA2 + VG4-A-9542 (Corner Adapter Bracket)	
					2	R	230 VAC Pendant Roof Mount <sup>6</sup>	VG4-A-PSU2 + VG4-A-9230		
					2	P	230 VAC Pendant Pipe Mount	VG4-A-PSU2 + VG4-A-9543		
<b>Fiber Optics</b>								No Fiber	(no additional module required)	
							F	With Fiber <sup>7,8</sup>	Add "F" to the end of the Power Supply part number	

**NOTES:**

<sup>1</sup> Power/Mount/Fiber Optic kit options only apply to "P" and "E" type housing models only.

<sup>2</sup> See the Optional Modules, Accessories and Spare Parts section of the AutoDome Modular Reference Guide for information on Power/Mount/Fiber Optic solutions for the Nitrogen Pressurized Outdoor Housing.

<sup>3</sup> In-ceiling (C type) housings feature impact-resistant polycarbonate bubble. Pendant (P/E/N type) housings come with a low-impact, high-resolution acrylic bubble.

<sup>4</sup> Standard Communications Module supports Bosch Biphas/Bicom/Bilinix and Pelco P/D protocols only. See the Optional Modules, Accessories and Spare Parts section of the AutoDome Modular Reference Guide for information on the Alternative Protocol Module.

<sup>5</sup> No transformer included. Customer must supply 24VAC, 75W transformer (VG4-A-PSU or equivalent).

<sup>6</sup> Roof mount is affixed to vertical parapet. For flat roof installations, you must order the LTC 9230/01 Flat Roof Adapter Plate.

<sup>7</sup> Fiber option only available on pendant-style (P/E/N type) housing models. For in-ceiling housings an LTC 4628 may be used. Each fiber kit requires an LTC 4629 at the head-end.

<sup>8</sup> Fiber option only available on dome equipped with Type "S" Coax/UTP Communications Modules.