

# 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)	14°F to 104°F (-10°C to 40°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)	-76°F to 122°F (-60°C to 50°C)
Protocol Support	N/A	Bosch Biphase, RS232 & 485, Pelco "P" or "D"	Bosch Biphase, RS232 & 485, Pelco "P" or "D"	Bosch Biphase, RS232 & 485, Pelco "P" or "D"
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>CPU's</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> </ul> </li> <li>Pluggable Communications Module</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> </ul> </li> <li>Advanced Troubleshooting and Diagnostics                             <ul style="list-style-type: none"> <li>Diagnostic LEDs</li> <li>On-screen diagnostic displays</li> </ul> </li> <li>Built-in Surge Suppression</li> </ul>	<ul style="list-style-type: none"> <li>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> </ul> </li> <li>Advanced alarm handling via "Rules" engine</li> </ul>	<ul style="list-style-type: none"> <li>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> </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) IP54 (In-Ceiling Housings)	IP66/NEMA 4X (Pendant Housings) IP54 (In-Ceiling Housings)	IP66/NEMA 4X (Pendant Housings) IP54 (In-Ceiling Housings)	IP66/NEMA 4X (Pendant Housings) IP54 (In-Ceiling 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 (video and control over a single fiber)	Yes	Yes	Yes	Yes

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AutoDome Kit Number								Description	Module Part #	
Family	Camera Assembly				Power and Mounting Kit					
	CPU	Camera Options	Housing Options	Comms Options	Power/Mounting Options	Fiber Option				
<b>AutoDome Modules</b>	<b>VG4</b>									
<b>Camera Assembly</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	VG4-MHSG-CC	
		C	T					In-Ceiling Housing with Tinted Bubble	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	
<b>Communications</b>						0		Fixed Communications	VG4-MTRN-0 (for use with the 100 Series CPU only)	
						S		Standard (Coax/UTP) Communications	VG4-MTRN-S	
						E		Ethernet (TCP/IP) Communications	VG4-MTRN-E	
<b>Pendant Power &amp; Mounting Kits</b>	<b>Pendant Arm</b>						0	W	24 VAC In-Ceiling Mount <sup>1</sup>	(no additional module required)
							0	M	24 VAC Pendant Arm (Wall Mount) <sup>1</sup>	VG4-A-PA0
							0	C	24 VAC Pendant Arm (Mast Mount) <sup>1</sup>	VG4-A-PA0 + LTC 9541/01 (Mast Adapter Bracket)
							0	R	24 VAC Pendant Arm (Corner Mount) <sup>1</sup>	VG4-A-PA0 + LTC 9542/01 (Corner Adapter Bracket)
							0	R	24 VAC Pendant Roof Mount <sup>1</sup>	VG4-A-9230
							0	P	24 VAC Pendant Pipe Mount <sup>1</sup>	VG4-A-9543
	<b>Roof (Parapet)</b>						1	W	120 VAC Pendant Arm (Wall Mount)	VG4-A-PA1
							1	M	120 VAC Pendant Arm (Mast Mount)	VG4-A-PA1 + LTC 9541/01 (Mast Adapter Bracket)
							1	C	120 VAC Pendant Arm (Corner Mount)	VG4-A-PA1 + LTC 9542/01 (Corner Adapter Bracket)
							1	R	120 VAC Pendant Roof Mount	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 + LTC 9541/01 (Mast Adapter Bracket)
<b>Pipe</b>						2	C	230 VAC Pendant Arm (Corner Mount)	VG4-A-PA2 + LTC 9542/01 (Corner Adapter Bracket)	
						2	R	230 VAC Pendant Roof Mount	VG4-A-PSU2 + VG4-A-9230	
						2	P	230 VAC Pendant Pipe Mount	VG4-A-PSU2 + VG4-A-9543	
						2	P	No Fiber	(no additional module required)	
								F	With Fiber <sup>2,3</sup>	Add "F" to the end of the Power Supply part number

<sup>1</sup> 24 VAC Kits do not include a power transformer. Customer must supply 24 VAC, 75 W transformer (VG4-A-PSUx or equivalent).

<sup>2</sup> Fiber option only available on domes equipped with Coax/UTP Communications Module.

<sup>3</sup> Fiber Optic Module (FOM) is available for pendant-style housings only. For in-ceiling housings, an LTC 4628 may be used.