

VS 700 Series Overview



Smart Camera



CMOS

Basic

Performance

Medium Resolution

High Resolution

Color

	VS 710	VS 721	VS 722	VS 723	VS 723-2	VS 724	VS 725
Camera							
Image capture	CCD chip, 768 x 512 quadratic pixels	CMOS 1/3" 7.8 x 7.8 μm , 640 x 480 quadratic pixels	CCD 1/3" 7.4 x 7.4 μm, 640 x 480 quadratic pixels	CCD 1/3" 7.4 x 7.4 μm, 640 x 480 quadratic pixels	CCD 1/3" 4.65 x 4.65 μm, 1024 x 768 quadratic pixels	CCD 1/2" 4.65 x 4.65 μm, 1280 x 1024 quadratic pixels	CCD 1/4" 5.6 x 5.6 μm, 640 x 480 quadratic pixels
• Exposure time	0,1 μs - 20 μs (electronic shutter)	10 μs-1 s (electronic shutter)	10 μs-1 s (electronic shutter)	10 μs-1 s (electronic shutter)	10 μs-1 s (electronic shutter)	10 μs-1 s (electronic shutter)	10 μs-1 s (electronic shutter)
• Image recording	16 fps	75 fps	75 fps	75 fps	19 fps	8 fps	30 fps
Lens mount	Standard C-Mount/IR filter	CS-Mount (optional C-Mount adapter ring available)	CS-Mount (optional C-Mount adapter ring available)	CS-Mount (optional C-Mount adapter ring available)	CS-Mount (optional C-Mount adapter ring available)	CS-Mount (optional C-Mount adapter ring available)	CS-Mount (optional C-Mount adapter ring available)
Additional features	Progressive scan, integrated flash control	Partial Scan, Integrated flash control of up to 3 light sources	Partial Scan, Integrated flash control of up to 3 light sources	Partial Scan, Integrated flash control of up to 3 light sources	Partial Scan, Integrated flash control of up to 3 light sources	Partial Scan, Integrated flash control of up to 3 light sources	Partial Scan, Integrated flash control of up to 3 light sources
Interfaces							
Integrated interfaces	<ul style="list-style-type: none"> 1 x RS 232 (9-pin SUB-D male connector) 1 x PROFIBUS DP (9-pin, SUB-D, female connector) 	<ul style="list-style-type: none"> 1 x Industrial Ethernet (RJ-45, 10/100 Mbaud) 1 x power supply/digital I/O (RJ-45) 	<ul style="list-style-type: none"> 1 x Industrial Ethernet (RJ-45, 10/100 Mbaud) 1 x power supply/digital I/O (RJ-45) 	<ul style="list-style-type: none"> 1 x Industrial Ethernet (RJ-45, 10/100 Mbaud) 1 x power supply/digital I/O (RJ-45) 	<ul style="list-style-type: none"> 1 x Industrial Ethernet (RJ-45, 10/100 Mbaud) 1 x power supply/digital I/O (RJ-45) 	<ul style="list-style-type: none"> 1 x Industrial Ethernet (RJ-45, 10/100 Mbaud) 1 x power supply/digital I/O (RJ-45) 	<ul style="list-style-type: none"> 1 x Industrial Ethernet (RJ-45, 10/100 Mbaud) 1 x power supply/digital I/O (RJ-45)
Virtual inputs via Industrial Ethernet	–	32	32	32	32	32	32
Virtual outputs via Industrial Ethernet	–	64	64	64	64	64	64
Digital channels (24 V DC)	12-pin circular connector for I/Os	8 configurable non-floating channels	8 configurable non-floating channels	8 configurable non-floating channels	8 configurable non-floating channels	8 configurable non-floating channels	8 configurable non-floating channels
• Digital inputs	2; 1 with interrupt logic	Input current up to 1.5 mA, NPN (current-sinking)	Input current up to 1.5 mA, NPN (current-sinking)	Input current up to 1.5 mA, NPN (current-sinking)	Input current up to 1.5 mA, NPN (current-sinking)	Input current up to 1.5 mA, NPN (current-sinking)	Input current up to 1.5 mA, NPN (current-sinking)
• Digital outputs	4; 0.5 A; 1 with flash control	50 mA, short-circuit-proof, PNP (current source), active signal adjustable	50 mA, short-circuit-proof, PNP (current source), active signal adjustable	50 mA, short-circuit-proof, PNP (current source), active signal adjustable	50 mA, short-circuit-proof, PNP (current source), active signal adjustable	50 mA, short-circuit-proof, PNP (current source), active signal adjustable	50 mA, short-circuit-proof, PNP (current source), active signal adjustable
Monitor connection	1 SVGA (15-pin SUB-D, female connector, 3-tier)	via VS Link or VS Link PROFIBUS	via VS Link or VS Link PROFIBUS	via VS Link or VS Link PROFIBUS	via VS Link or VS Link PROFIBUS	via VS Link or VS Link PROFIBUS	via VS Link or VS Link PROFIBUS
PROFIBUS connection	on board	via VS Link PROFIBUS	via VS Link PROFIBUS	via VS Link PROFIBUS	via VS Link PROFIBUS	via VS Link PROFIBUS	via VS Link PROFIBUS
Protocols	3964 R (RS232), DVPO (PROFIBUS-DP)	TCP/IP native, MODBUS, VDX, DVPO (with VS Link PROFIBUS DP)	TCP/IP native, MODBUS, VDX, DVPO (with VS Link PROFIBUS DP)	TCP/IP native, MODBUS, VDX, DVPO (with VS Link PROFIBUS DP)	TCP/IP native, MODBUS, VDX, DVPO (with VS Link PROFIBUS DP)	TCP/IP native, MODBUS, VDX, DVPO (with VS Link PROFIBUS DP)	TCP/IP native, MODBUS, VDX, DVPO (with VS Link PROFIBUS DP)
General data							
Power supply	24 V DC / 450 mA	24 V DC / 210 mA	24 V DC / 210 mA	24 V DC / 210 mA	24 V DC / 300 mA	24 V DC / 300 mA	24 V DC / 300 mA
Ambient temperature	0 ... 50°C	0 ... 45°C (32 - 113 °F), no condensation	0 ... 45°C (32 - 113 °F), no condensation	0 ... 45°C (32 - 113 °F), no condensation	0 ... 45°C (32 - 113 °F), no condensation	0 ... 45°C (32 - 113 °F), no condensation	0 ... 45°C (32 - 113 °F), no condensation
Dimensions (W x H x D)	65 x 80 x 150	60 x 112 x 30 (without lens) and additional 50 mm for cable connect.	60 x 112 x 30 (without lens) and additional 50 mm for cable connect.	60 x 112 x 30 (without lens) and additional 50 mm for cable connect.	60 x 112 x 30 (without lens) and additional 50 mm for cable connect.	60 x 112 x 30 (without lens) and additional 50 mm for cable connect.	60 x 112 x 30 (without lens) and additional 50 mm for cable connect.
Product selection code	6GF1710	6GF1721	6GF172	6GF1723	6GF1723	6GF1724	6GF1725

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