



VeriSens® Serie 1200

Versatile vision sensors with serial data interface

For acquisition of

- Part location
- Part orientation
- Part completeness
- Part presence

Sensor Solutions

Motion Control

Vision Technologies

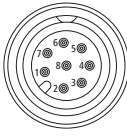
Process Instrumentation

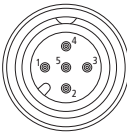
Series 1200

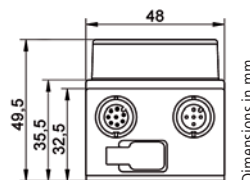
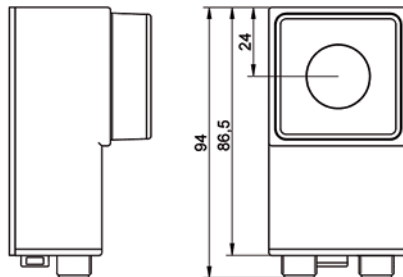
Models	VXS 1203M10RR	VXS 1203M10WR	VXS 1203M16RR	VXS 1203M16WR
Image sensor	High Sensitive Progressive Scan CCD			
Number of pixels	656 x 494			
Type	Monochrome			
LED illumination	Red (typ. 660 nm)	White	Red (typ. 660 nm)	White
Speed	High Resolution Mode: max. 30 inspections per second High Speed Mode: max. 50 inspections per second			
Lens	f = 10 mm		f = 16 mm	
Min. object distance	50 mm		60 mm	
Object distance	Maximum field of view			
60 mm	30 mm x 23 mm		13 mm x 10 mm	
100 mm	51 mm x 38 mm		26 mm x 20 mm	
200 mm	101 mm x 76 mm		57 mm x 43 mm	
300 mm	152 mm x 114 mm		89 mm x 67 mm	
Signal processing	Baumer FEX® 3.0			
Processor	Baumer FEX® 3.0			
Memory	64 MBytes			
Inputs / Outputs	Inputs: 8...30 VDC / Outputs: PNP 100 mA			
4x digital input	Trigger			
	Job selection 1			
	Job selection 2			
	Job selection 3 / external Teach-in			
4x digital output	Ready			
	Pass / Fail			
	Alarm			
	Flash sync			
Communication				
Serial setup	USB 2.0			
Serial process interface	RS485			
Electrical data				
Power supply	8...30 VDC			
Power consumption	Typical 6 Watts			
Housing				
Material	Aluminum and PMMA			
Weight	250 g			
Operating conditions				
Operating temperature	5 °C...50 °C			
Humidity	0 %...90 % (non-condensing)			
Protection class	IP 64			

Your benefits

- Accurate object information due to process data transmission via RS485 interface
- Convenient object training via external teach-in
- Reliable operation even under varying lighting conditions due to contour-based image processor
- Rapid commissioning is supported by intuitive user interface with pre-configured sensor functions
- Capable of switching between up to 255 jobs

PLC interface	Type M12 / 8-pin
1: IN1 (Trigger)	
2: Power + 24 VDC	
3: OUT1 (Ready)	
4: OUT2 (Pass / Fail)	
5: OUT3 (Alarm)	
6: IN2 (Job)	
7: Ground	
8: IN3 (Job)	

PLC interface	Type M12 / 5-pin
1: OUT4 (Flash)	
2: IN4 (Job / Teach)	
3: Ground	
4: RS485+	
5: RS485-	



Dimensions in mm

- Compact
- Reliable
- Powerful
- User-friendly



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