

VeriSens® Serie 1000

Universal vision sensors for automation technology

For inspection of

- Part completeness
- Part presence
- Part location
- Correct position

Sensor Solutions

Motion Control

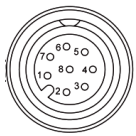
Vision Technologies

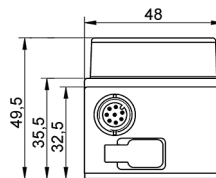
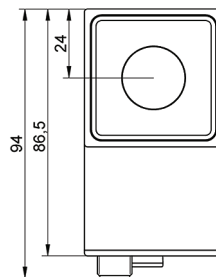
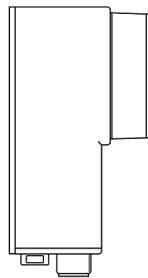
Models	VXS 1003M10RS	VXS 1003M10WS	VXS 1003M16RS	VXS 1003M16WS
Image sensor	High Sensitive Progressive Scan CCD			
Number of pixels	656 x 494			
Type	Monochrome			
LED illumination	Red (typically 660 nm)	White	Red (typically 660 nm)	White
Speed	High Resolution Mode: max. 30 inspections per second High 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	24 mm x 18 mm		13 mm x 10 mm	
100 mm	43 mm x 32 mm		25 mm x 19 mm	
200 mm	92 mm x 69 mm		55 mm x 42 mm	
300 mm	140 mm x 106 mm		86 mm x 64 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			
3x digital input	Trigger			
	Job selection 1			
	Job selection 2 / Teach-in			
3x digital output	Ready			
	Pass / Fail			
	Flash sync / Alarm			
Communication	USB 2.0			
Serial	USB 2.0			
Electrical data	8...30 VDC			
Power supply	8...30 VDC			
Power consumption	Typically 6 Watt			
Housing	Aluminum and polycarbonate			
Material	Aluminum and polycarbonate			
Weight	250 g			
Operating conditions	5°C...50°C			
Operating temperature	5°C...50°C			
Humidity	0 %...90 % (non-condensing)			
Protection class	IP 64			

Series 1000

Your benefits

- Powerful, two-dimensional position correction for object detection
- Multiple applications are feasible due to extensive function library from brightness sensing to contour sensing
- 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
1: IN1 (Trigger)	
2: Power +24 VDC	
3: OUT1 (Ready)	
4: OUT2 (Pass / Fail)	
5: OUT3 (Flash / Alarm)	
6: IN2 (Job)	
7: Ground	
8: IN3 (Job / Teach)	



- Compact
- Reliable
- Powerful
- User-friendly



Baumer

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