



## *VeriSens*<sup>®</sup> Series 500

The starter model in the world of vision sensors

### For inspection of

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

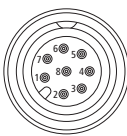
### Sensor Solutions

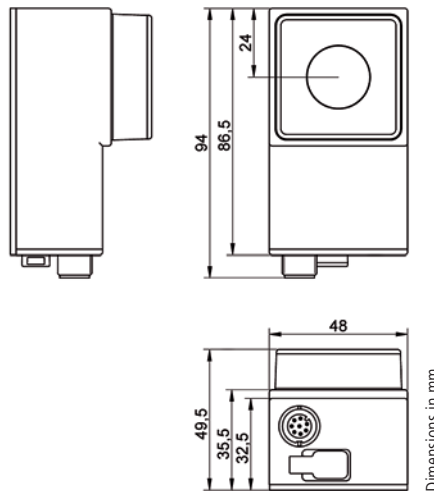
Motion Control

Vision Technologies

Process Instrumentation

Model	VXS 0501M10WS
Image sensor	CMOS
Number of pixels	320 x 240
Type	Monochrome
LED illumination	White
Speed	Max. 50 inspections per second
Lens	f = 10 mm
Min. object distance	50 mm
Object distance	Maximum field of view
60 mm	24 mm x 18 mm
100 mm	40 mm x 30 mm
200 mm	80 mm x 60 mm
300 mm	119 mm x 89 mm
Signal processing	
Processor	Baumer FEX® 2.5
Memory	32 MBytes
Inputs / Outputs	Inputs: 8...30 VDC / Outputs: PNP 100 mA
3x digital input	Trigger
	Job selection 1
	Job selection 2
3x digital output	Ready
	Pass / Fail
	Flash sync / Alarm
Communication	
Serial	USB 2.0
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

PLC interface	Type M12 / 8-pin
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)	



## Series 500

### Your benefits

- Fast and reliable object detection with one compact unit
- Tolerant to variations in transport due to one-dimensional position correction
- 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
- Switching between several jobs
- Compact
- Reliable
- Powerful
- User-friendly



# Baumer

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