



camat® ONE Vision Systems

SPECIFICATION		S5007U-R300
Image sensor	Sensor type	CMOS-area scan monochrome, global shutter
	Sensor size	1/3"
	Resolution	Wide VGA 720 x 480 pixel
	Acquisition rate (fps)	max. 60 frames / second
	Pixel size	7.4 µm x 7.4 µm
	Shutter	56 ... 40000 µsec
Lighting	Integrated illumination	Incident light: R – red 630 nm
Optics	Integrated lens	300 mm
	Working distance	
	Field of view	112 mm x 73 mm
	Max. resolution	0.15 mm
Performance	Processor	Analog Devices Blackfin 533 @ 500 MHz
	Memory	
	RAM	64 MB DDR-RAM
	ROM	8 MB Flash
	Typical cycle time	50 ... 300 msec
Image processing tools	Pattern search/ Tracking	□
	Area test	■
	Brighthness percen- tage	■
	Grey value test	■
Interfaces	Communication	USB2.0, RS232
	Digital inputs / Digital outputs	4 / 4 decoupled 24 VDC, max. 0.24 mA / input 24 VDC, max. 150 mA / output
Power consumption		20 ... 36 VDC / 6 W (illumination active)
Operating temperature		0 ... 60 °C
Dimensions (connectors, cables not included)		63 x 63 x 75 mm ³
Weight		app. 430 g
Protection class		IP 67

■ available

□ not available



The Challenge of Light

INNOVATIONS FOR
MACHINE VISION



camat® ONE

Intuitive start with Machine Vision

- No component selection necessary thanks to All-in-ONE design
- Flexible creation of individual test areas (free form elements)
- Additional types easily incorporated into existing tasks thanks to automatic test series
- User-friendly operation
- Fast integration and initial start-up
- Use under the most difficult ambient conditions (IP67)



Reliability and precision

Systems by Vision & Control have proven their value in thousands of different applications across a wide range of industries:

- Automotive
- Mechanical engineering
- Electronics
- Plastics industry
- Solar industry
- Packaging industry
- Robotics
- Pharmaceuticals
- Food industry



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