

camat® Vision Sensors



SPECIFICATION		camat® S47-150-B	camat® S47-300-B	camat® S47-450-B
		camat® S47-150-R	camat® S47-300-R	camat® S47-450-R
		camat® S47-150-IR880	camat® S47-300-IR880	camat® S47-450-IR880
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: B – blue 470 nm R – red 630 nm IR – infrared 880 nm		
Optics	Integrated lense	150 mm	300 mm	450 mm
	Working distance			
	Field of view	75 mm x 48 mm	112 mm x 73 mm	129 mm x 83 mm
	Max. resolution	0.10 mm	0.15 mm	0.18 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	■	■	■
	Brightness percentage	■	■	■
	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 (not including connectors, cables)	63 x 63 x 75 mm³			
Weight	app. 430 g			
Protection class	IP 67			

■ available

□ not available

