

Line Scan Camera SK7500GTF-XB

High resolution CCD camera with 65 MHz pixel frequency



Specifications

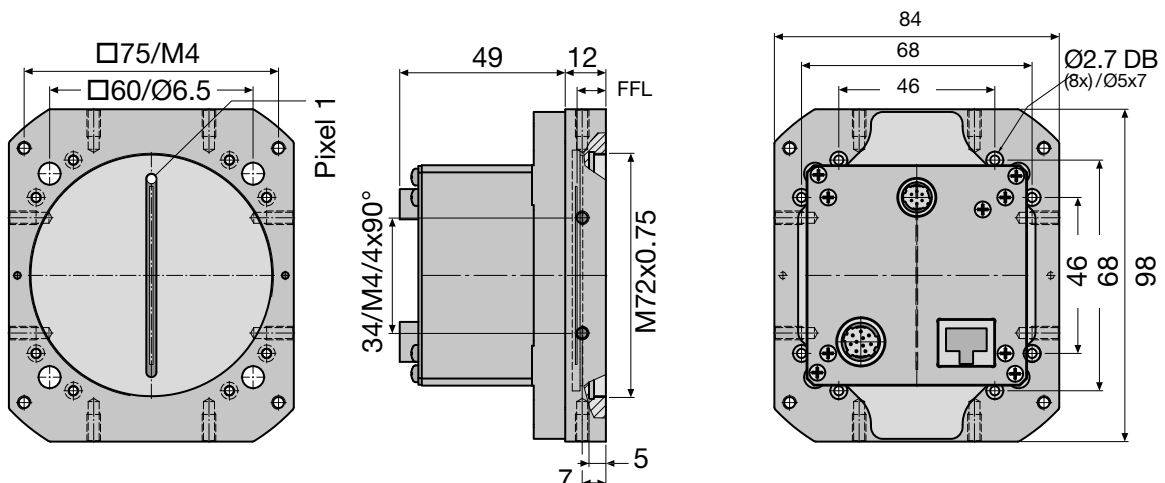
Sensor type:	CCD Monochrome Sensor	min. exposure time:	0.121 ms
Pixel number:	7500	max exposure time:	20 ms
Pixel size:	7 x 7 μm^2	Video signals:	monochrome 8/12 Bit digital
Pixel distance:	7 μm	Signal in/out:	GigaBit Ethernet
Active sensor length:	52.5 mm	Power supply:	+5V, +15V
max. pixel frequency:	65 MHz	Size:	84 mm x 98 mm x 62 mm
max. line frequency:	8.26 kHz	Case type:	EG5
Anti blooming:	-	Mass:	0.4 kg
Integration Control:	-	Lens mount:	M72x0.75
Shading correction:	x	Flange focal length:	8 mm
Threshold mode:	x	Operating temperature:	+5 ... +45°C
Spectral sensitivity:	400 - 900 nm		
Dynamic range:	1:1000 (rms)		

Dimensions


EG5

Lens mount:
Flange focal length:


M72x0.75
FFL = 8.5 mm





Software


	Software
	<p>SK91GigE-WIN Order Code</p> <p>SDK from Schäfter + Kirchhoff including the SKLineScan operating program, as well as API, C++ class library and examples.</p> <p>Operating systems: Windows 7 / 8.1 / 10 - x64 and x86</p> <p>SK91GigE-LV VI Order Code</p> <p>VI-Library for LabVIEW®, requires SK91GigE-WIN</p>


Accessories


	CAT6 Network cable
	<p>Shielded CAT6 patch cable, halogen-free, both ends with RJ45 connectors for Gigabit Ethernet</p> <p>CAT6.x Order Code</p> <p>_____ cable length 3 / 5 / 10 m or length according to choice, max. 100 m</p>

	Power supply unit PS051515
	<p>Input: 100-240 VAC, 0.8 A, 50/60 Hz IEC 60320 C14 coupler (for IEC C13 power cord)</p> <p>Output: +5VDC, 2.5 A / +15 VDC, 0.5 A / -15 VDC, 0.3 A</p> <p>Cable length: 1 m, with Lumberg connector KV60, female 6-pin</p> <p>PS051515 Order Code</p> <p>Power cord IEC 60320 C13, 1.5 m, 10 A, 250 VAC</p> <p>PC150DE Order Code</p> <p>_____ DE = Europe / US = USA, Canada, Japan / UK = United Kingdom</p>

	External synchronization cable SK9024...
	<p>for line scan cameras with GigE / GigE Vision™ interface.</p> <p>Shielded cable with Hirose plug HR10A, female 12 pin (camera side), and Phoenix 4 pin connector incl. terminal block.</p> <p>SK9024.x Order Code</p> <p>_____ cable length 3 / 5 m Other lengths on request</p>

	Power cable SK9015.x
	<p>for GigE Vision™, CameraLink and externally supplied USB3 line scan cameras.</p> <p>Shielded cable with Hirose plug HR10A, female 6-pin (camera side), and Lumberg SV60, male 6-pin connector (power supply unit side).</p> <p>SK9015.x Order Code</p> <p>_____ cable length 0.2 / 1.5 m</p>

	Adapter cable for sync signals CAB-ADSync-BNC-1
	<p>BNC/SMA (3x) to Line Scan Camera Synchronization Cable SK9016/SK9024/SK9026.</p> <p>Shielded cable, length 0.25 m</p> <p>Connectors: 1x Phoenix 4-pin connector 3x SMA plug (Line Sync A, Line Sync B, Frame Sync) 3x adapter SMA socket (outside threading) to BNC-plug</p> <p>CAB-ADSync-BNC-1 Order Code</p>

	Focus Adapter FA26-Sx Order Code
	<p>High-precision adapter with linear tracking rods for precise travel of the focussing encasement and for locking focus position. Focussing range 30 mm, 1 turn of the focussing ring corresponds to 10 mm. Screws for focus locking.</p> <p>FA26-Sx Order Code</p> <p>_____ 45 = thread M45x0.75 55 = thread M55x0.75</p>

	Lenses
	<ul style="list-style-type: none"> • high resolution scan and macro lenses <p>Lens Adapters, thread M45x0.75</p> <ul style="list-style-type: none"> • M39x1/26" / AC43 <p>Lens Adapters, thread M55x0.75</p> <ul style="list-style-type: none"> • M55x1/26" / AC46 <p>Extension rings, thread M45x0.75</p> <p>ZR-L-x Order Code</p> <p>_____ length 15 / 25 / 60 / 87 mm</p> <p>Extension rings, thread M55x0.75</p> <p>M55-L-x Order Code</p> <p>_____ length 15 / 25 / 60 mm</p>