

Line Scan Camera SK8160CKO-LB

High resolution digital CCD camera with 100 MHz digital output gain and offset adjustable by PC, anti blooming

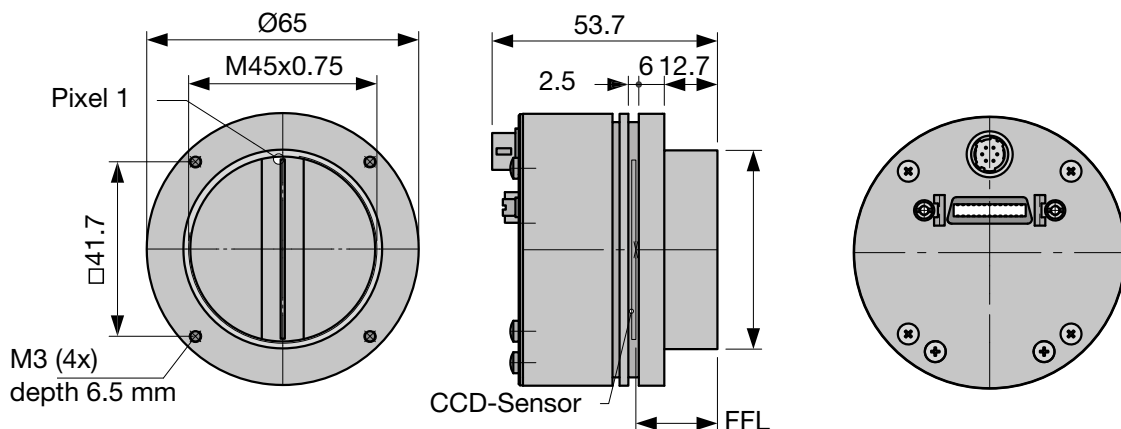


Specifications

Sensor type:	CCD Monochrome Sensor	min. exposure time:	0.01 ms
Pixel number:	8160	max exposure time:	20 ms
Pixel size:	5 x 5 μm^2	Video signals:	monochrome 2*8/12 Bit digital
Pixel distance:	5 μm	Signal in/out:	Camera Link
Active sensor length:	40.8 mm	Power supply:	+5V, +15V
max. pixel frequency:	100 MHz	Size:	$\varnothing 65 \text{ mm} \times 53.7 \text{ mm}$
max. line frequency:	11.9 kHz	Case type:	AC3L
Anti blooming:	x	Mass:	0.2 kg
Integration Control:	x	Lens mount:	M45x0.75
Shading correction:	x	Seat for bracket:	$\varnothing 47.5 \text{ mm}$
Threshold mode:	-	Flange focal length:	19.5 mm
Spectral sensitivity:	350 - 900 nm	Operating temperature:	+5 ... +45°C
Dynamic range:	1:2500 (rms)		

Dimensions

AC3
 Lens mount: M45x0.75
 Seat for bracket: $\varnothing 47.5 \text{ mm}$
 Flange focal length: FFL = 19.5 mm




Features

- Extended Trigger Functions**
 Direction of movement or slippage can be detected by using two external synchronization signals.
- Shading Correction Memory (SCM) and Look-Up Table (LUT) options**
 The calibration data in the SCM automatically adjusts the line signal data directly in the camera after each exposure.
 The LUT is a separate memory block that can also be used for postprocessing the line signal data, such as applying a Gamma function.

- Window-Function**
 The line signal data to be transferred can be restricted to a defined section of the line sensor.
- The **Gains or Offsets** for all four AD-converter channels can be **adjusted simultaneously**, simplifying handling.
- Integrated Temperature Sensor**

Accessories





Power supply unit PS051515

Input: 100-240 VAC, 0.8 A, 50/60 Hz
 IEC 60320 C14 coupler (for IEC C13 power cord)
 Output: +5VDC, 2.5 A / +15VDC, 0.5 A / -15VDC, 0.3 A
 Cable length: 1 m, with Lumberg connector KV60, female 6-pin

PS051515 **Order Code**

Power cord IEC 60320 C13, 1.5 m, 10 A, 250 V AC

PC150DE **Order Code**
 DE = Europe / US = USA, Canada, Japan /
 UK = United Kingdom





Control cable SK9018...

26-pin shielded cable, both ends with mini-ribbon connector (male 26-pin)

SK9018.x-MM **Order Code**

MM = connector both ends male
 cable length 3 / 5 m or
 length according to choice,
 max. 10 m



Power cable SK9015.x

for GigE Vision™, CameraLink and externally supplied USB3 line scan cameras.

Shielded cable with Hirose plug HR10A, female 6-pin (camera side), and Lumberg SV60, male 6-pin connector (power supply unit side).

SK9015.x **Order Code**
 cable length 0.2 / 1.5 m

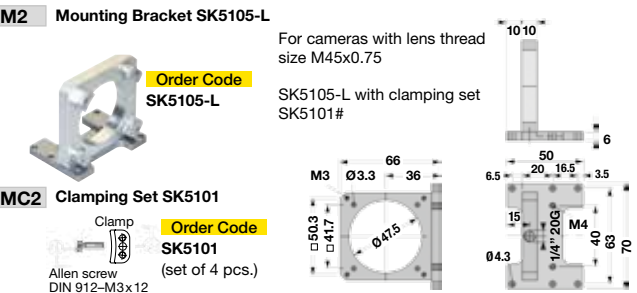
M2 Mounting Bracket SK5105-L

For cameras with lens thread size M45x0.75

SK5105-L with clamping set SK5101#

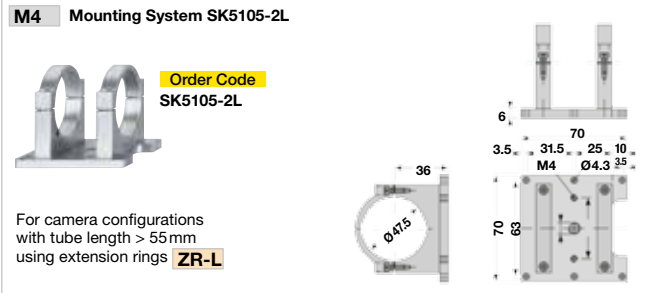
MC2 Clamping Set SK5101

Clamp SK5101 (set of 4 pcs.)
 Allen screw DIN 912-M3x12



M4 Mounting System SK5105-2L

For camera configurations with tube length > 55 mm using extension rings **ZR-L**

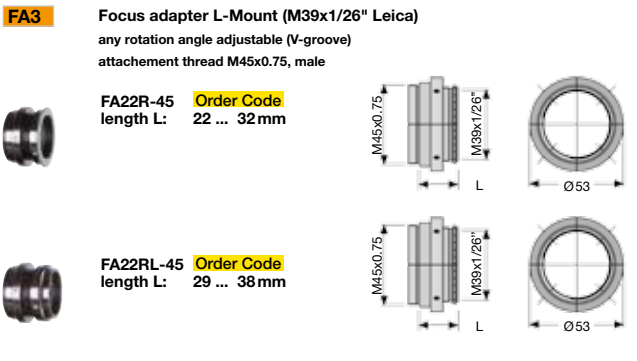


FA3 Focus adapter L-Mount (M39x1/26" Leica)

any rotation angle adjustable (V-groove)
 attachment thread M45x0.75, male

FA22R-45 **Order Code**
 length L: 22 ... 32 mm

FA22RL-45 **Order Code**
 length L: 29 ... 38 mm

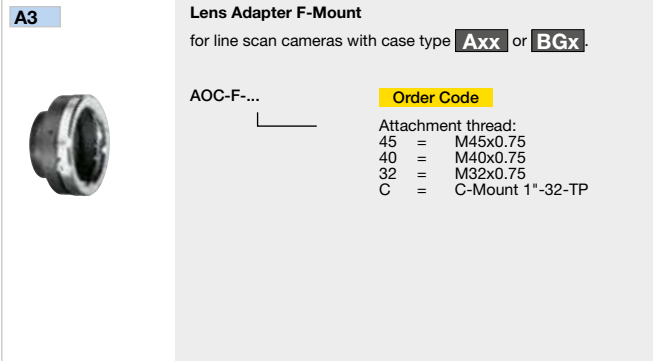


A3 Lens Adapter F-Mount

for line scan cameras with case type **Axx** or **BGx**

AOC-F-... **Order Code**

Attachment thread:
 45 = M45x0.75
 40 = M40x0.75
 32 = M32x0.75
 C = C-Mount 1"-32-TP



ZR-L Extension rings M45x0.75

attachment threads M45x0.75 male/female

ZR-L.25 **Order Code**

15 = Length 15 mm
 25 = Length 25 mm
 60 = Length 60 mm
 87 = Length 87 mm

