Line Scan Camera SK22368VTOC-4LA

CCD | color | GiGE VISION GEN<i>CAM

Color line scan camera (Triple-Line) with 3 x 7456 RGB pixels, 5.13 kHz maximum line rate, small pixel size and short sensor length.

Sensor Characteristics

Sensor type:	CCD, Color
Pixel number:	3x 7456
Pixel size:	4.7 x 4.7 µm²
Active sensor length:	35.04 mm
Pixel frequency:	120 / 60 MHz
Max. line frequency:	5.13 kHz
Min. integration time:	0.01 ms
Max. integration time:	20 ms
Spectral range:	350 - 700 nm
Dynamic range:	1:1000 (rms)
Line spacing (RGB):	18.8 µm
Line color sequence:	red (R), green (G), blue (B)

Mechanical data

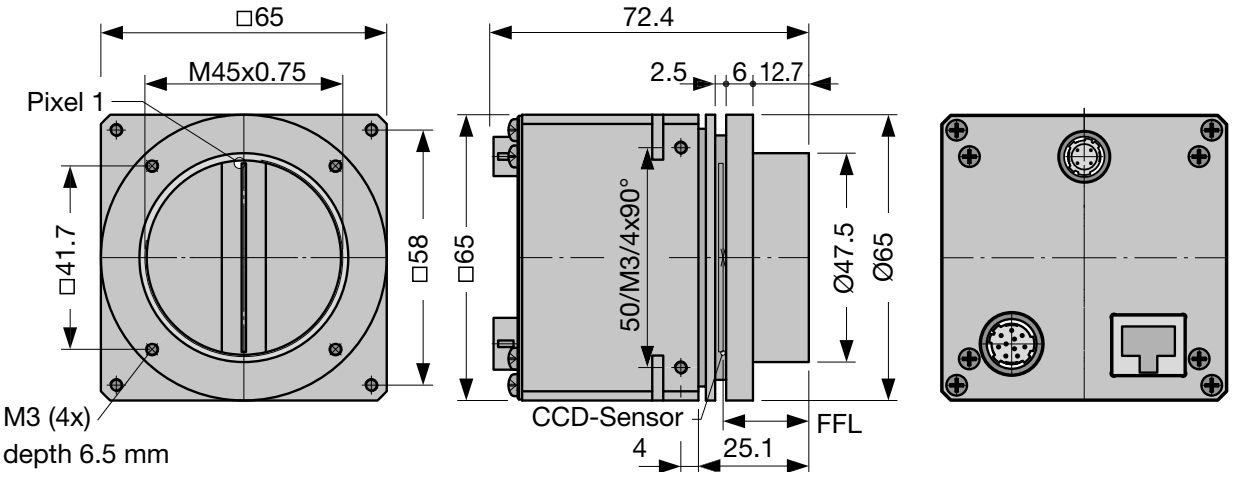
Case type:	BG3
Size:	65 mm x 65 mm x 72.4 mm
Mass:	0.3 kg
Lens mount:	M45x0.75
Flange focal length (FFL):	19.5 mm
Seat for bracket:	Ø47.5 mm

Functioning Features

Anti blooming:	-
Integration control:	-
Shading correction:	x
Look-up table:	x
Region of interest (ROI):	x
Thresholding:	-
Temperature sensor:	x
External synchronization:	x
Operating Temperature:	+5 ... +45°C

Connections

Interface:	GigE Vision
	RJ-45 (8P8C)
Video signals:	color 3*8 Bit digital
Power supply:	24 V DC, 6.9 W
	Hirose 10A, 4-pin, male
External synchronization:	TTL
	Hirose 10A, 12-pin, male



Schäfter+Kirchhoff

Software

The Schäfter+Kirchhoff GigE Vision™ line scan cameras use the Gigabit Ethernet communication protocol and are 100% compliant with the GigE Vision™ specifications and the Gen<I>Cam™ standard. They implement a superset of the Gen<I>Cam™ specification which defines the device capabilities. The settings are made in the device feature list of any Gen<I>Cam™ compliant software.

The Gen<I>Cam™ standard provides a generic programming interface for all kinds of cameras and, no matter what features they implement, the application programming interface (API) always remains the same.

Accessories

CAT6 Network cable

Shielded CAT6 patch cable, halogen-free, both ends with RJ45 connectors for Gigabit Ethernet

CAT6.x — Order Code

cable length 3 / 5 / 10 m or

length according to choice, max. 100 m

Power supply unit PS243005

Input: 100-240 VAC, 0.8 A, 50/60 Hz
IEC 60320 C14 coupler (for IEC C13 power cord)
Output: +24 V DC, 3.0 A
Cable length: 1 m, with XLR connector type NC6FXX

PS243005 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

DE US UK

External synchronization cable SK9024...

for line scan cameras with GigE / GigE Vision™ interface.

Shielded cable with Hirose plug HR10A, female 12-pin (camera side), and Phoenix 4-pin connector incl. terminal block.

SK9024.x — Order Code

cable length 3 / 5 m
Other lengths on request

Power cable SK9014.xMF

for GigE Vision™ line scan cameras with 24 V DC supply voltage.

Shielded cable with Hirose plug HR10A, female 4-pin (camera side), and XLR connector type NC6MXX (power supply unit side).

SK9014.xMF — Order Code

cable length 1.5 / 3 / 5 m

Adapter cable for sync signals CAB-AD Sync-BNC-1

BNC/SMA (3x) to line scan camera synchronization cable SK9016/SK9024/SK9026.

Shielded cable, length 0.25 m

Connectors:
1x Phoenix 4-pin connector
3x SMA plug (Line Sync A, Line Sync B, Frame Sync)
3x adapter SMA socket (outside thread) to BNC-plug

CAB-AD Sync-BNC-1 — Order Code

Power cable SK9014.xF

for GigE Vision™ line scan cameras with 24 V DC supply voltage.

Shielded cable with Hirose plug HR10A, female 4-pin (camera side), and open-ended cable.

SK9014.xF — Order Code

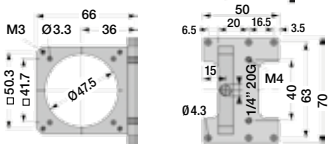
cable length 1.5 / 3 / 5 m

M2 **Mounting Bracket SK5105-L**

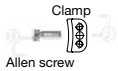
Order Code
SK5105-L

Mounting diameter 47.5 mm, for cameras with square housing Bxx and round housing Ax3

SK5105-L with clamping set SK5101#



MC **Clamping Set SK5101**

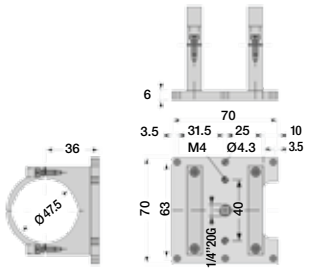


Order Code
SK5101
(set of 4 pcs.)

M4 **Mounting System SK5105-2L**

Order Code
SK5105-2L

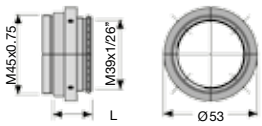
For camera configurations with tube length > 55 mm using extension rings ZR-L



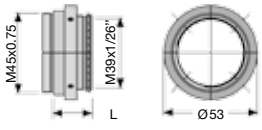
FA3 **Focus adapter L-Mount (M39x1/26" Leica)**

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