

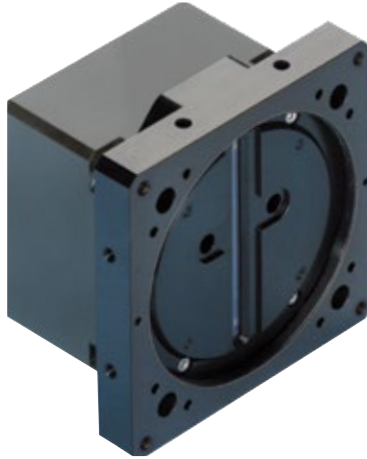
Line Scan Camera SK7500VTO-4XL

CCD

monochrome

GigE
VISION
GENICAM

Line scan camera with 5.2 kHz maximum line rate, high resolution and high sensitivity.



■ Sensor Characteristics

Sensor type:	CCD, Monochrome
Pixel number:	7496
Pixel size:	7 x 7 μm^2
Active sensor length:	52.5 mm
Pixel frequency:	40 / 15 MHz
Max. line frequency:	5.2 kHz
Min. integration time:	0.01 ms
Max. integration time:	20 ms
Spectral range:	400 - 900 nm
Dynamic range:	1:750 (rms)

■ Mechanical data

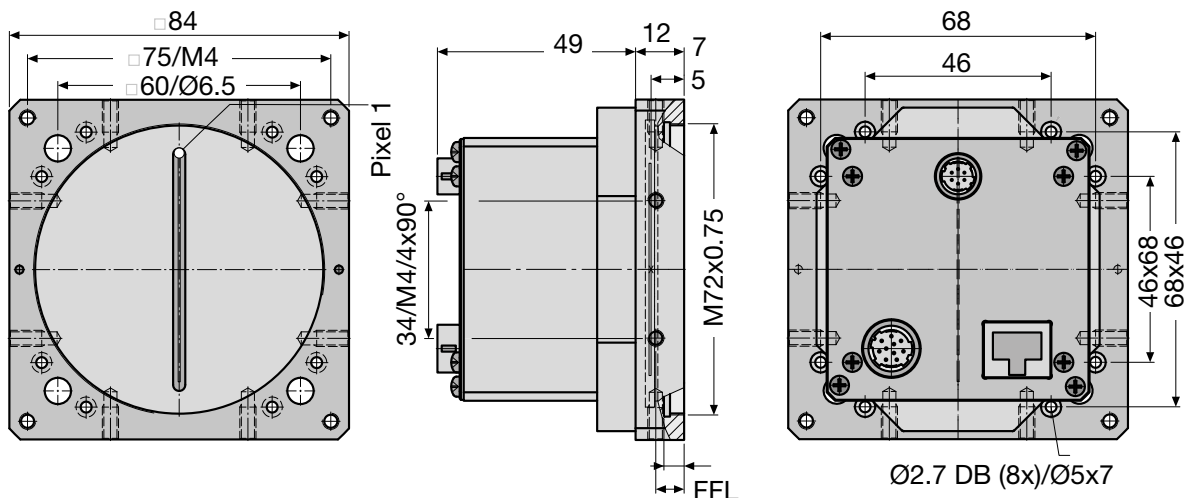
Case type:	CG5
Size:	84 mm x 84 mm x 62 mm
Mass:	0.3 kg
Lens mount:	M72x0.75
Flange focal length (FFL):	8.2 mm
Seat for bracket:	$\varnothing 0$ mm

■ 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:	monochrome 8/12 Bit digital
Power supply:	24V DC, 3.8 W Hirose 10A, 4-pin, male
External synchronization:	TTL Hirose 10A, 12-pin, male




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>i>Cam™ standard. They implement a superset of the Gen<i>i>Cam™ specification which defines the device capabilities. The settings are made in the device feature list of any Gen<i>i>Cam™ compliant software.


The Gen<i>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: +24V DC, 3.0 A
Cable length: 1 m, with XLR connector type NC6FFX

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 VDC 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-ADSync-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-ADSync-BNC-1 **Order Code**



Power cable SK9014.xF
for GigE Vision™ line scan cameras with 24 VDC 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

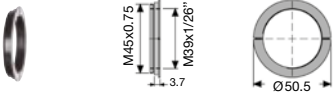


Focus Adapter FA26-Sx
High-precision adapter with linear tracking rods for precise travel of the focussing encasement and for locking focus position. Focussing range 29 mm, 1 turn of the focussing ring corresponds to 10 mm. Screws for focus locking.


FA26-Sx **Order Code**
45 = thread M45x0.75
length 40.5 ... 69.5 mm
55 = thread M55x0.75
length 51 ... 80 mm

Lens Adapters and Extension Rings M45x0.75

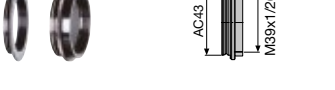
Lens Adapter M45x0.75 to M39x1/26 (Leica)
Order Code
M39-45
length L=3.7 mm



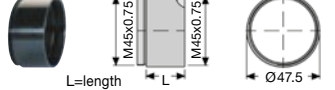
Adapter M45x0.75 46 mm to AM43
Order Code
AM43-M45-S L=20 mm
AM43-M45 L=35 mm
The AM43-M45 accepts the V-groove lens adapter M39x26G-AC43.



Lens Adapter V-Groove AC43 to M39x1/26"
Order Code
M39x26G-AC43-S L=1.5 mm
M39x26G-AC43 L=8.2 mm



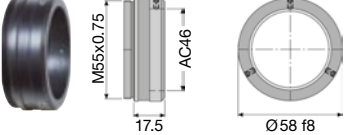
Extension Ring M45x0.75
ZR-L... **Order Code**
15 = length 15 mm
25 = length 25 mm
60 = length 60 mm
87 = length 87 mm



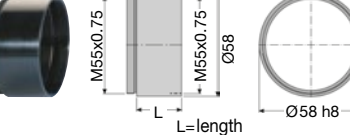
Lens Adapters and Extension Rings M55x0.75

Lens adapter 46 mm V-groove - M55x0.75
for macro lens inspec.x L5.6/105

AC46-55 **Order Code**
The Adapter AC46-55 adds 17.5 mm to the optical tube length. It accepts the AC46 V-groove of the Inspec.x macro lenses.



Extension Ring M55x0.75
ZR55-... **Order Code**
15 = length 15 mm
25 = length 25 mm
60 = length 60 mm



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