

# SYSTEM INFORMATION



## LYNX-SIGNUM 1 DC / 2 DC Code Inspection

### ■ Technical Data

Modell*	L45	L72	H73 & KH73	H105 & KH105
Sensor	CCD-Matrix (659 × 494 pixels)		CCD-Matrix (1034 × 779 pixels)	
Image acquisition	3 ms (30 lines) ... 20 ms (full frame)		5 ms (40 lines) ... 48 ms (full frame) ( <b>K</b> : 4 ms (35 lines) ... 37 ms (full frame))	
Max. transport speed	8 m/s	3 m/s	3 m/s ( <b>K</b> : 5 m/s)	1,8 m/s ( <b>K</b> : 3 m/s)
Reading distance	45 mm	72 mm	73 mm	105 mm
Reading area	25 mm × 33 mm	35 mm × 46 mm	54 mm × 72 mm	75 mm × 100 mm
Depth of field	± 5 mm	± 7 mm	± 5 mm	± 7 mm
<b>1D-Codes</b>				
Symbologies	EAN 8, EAN 13, Code 32, Code 39, Code 128, Interleaved 2/5, DataBar, Pharmacode			
Reading speed	up to 100 codes/s			
Resolution 1D codes	≥ 0,20 mm (8 mil)	≥ 0,28 mm (11 mil)	≥ 0,25 mm (10 mil)	≥ 0,40 mm (16 mil)
Resolution OMR codes	≥ 0,25 mm (10 mil)	≥ 0,35 mm (14 mil)	≥ 0,35 mm (14 mil)	≥ 0,50 mm (20 mil)
<b>2D-codes</b>				
Symbologies	DataMatrix 10 × 10 to 144 × 144 and rectangular codes			
Resolution	≥ 0,25 mm (10 mil)	≥ 0,35 mm (14 mil)	≥ 0,35 mm (14 mil)	≥ 0,50 mm (20 mil)
Reading speed	up to 60 codes/s	up to 60 codes/s	up to 50 codes/s	up to 50 codes/s
Reading angle	turning angle 360° (omnidirectional); tilting and inclination angle ± 30°			
Reading modes	continuous or triggered via digital input			
Digital inputs	2 gate inputs (24 V ±30 %)			
Digital outputs	3 switching outputs (24 V/ 1,5 W), 1 high speed trigger output for external illumination			
Configuration interfaces	RS 232, Ethernet 100Base-T mit TCP/IP			
Data interfaces	RS 232/RS 485 convertible, Ethernet 100Base-T with TCP/IP			
Display	1 LED "Ready" 1 LED "Trigger", 2 status LEDs			
Supply voltage	24 V DC ± 20 %			
Power consumption	7.0 W			
Protective class	front optics: IP 65 / side optics: IP 54			
Operating temperature	0 ... +45 °C			
Storage temperature	-20 ... +70 °C			
Air humidity	5 ... 95 % (non-condensing)			
Weight	380 g / <b>K</b> : 285 g + 175 g			
Connection	1 plug + 2 sockets M12x1, 8-pin			
Camera connection (only model <b>K</b> )	1 socket M12x1 8-pin			
Housing material	anodized aluminium			
Fixation	2 T-slides with internal thread M5 (variable distance)			
Configuration software	configuration via TCP/IP and standard web browser			

\* model types: **L** = VGA (640 × 480 pixels), **H** = XGA (1024 × 768 pixels), **K** = separated sensor head