

V20-OAI-A4-W-W-M3-L

Ordering information

Designation for ordering V20-OAI-A4-W-W-M3-L

Part number 637-91123

Order text

Components supplied VISOR® vision sensor, Operating manual, Mounting bracket (MK 45) and Allen key



Optical data

Image chip type	Monochrome
Light source	LED
Light color	White
Wavelength [°K]	4500
LED risk category [RG]	1
Resolution	SPXGA
Number of pixels (H x V) [px]	1600 x 800
Imaging chip technology	CMOS
Sensor size ["]	1/2.9
Pixel size [µm]	3.00
Field of view type	Weit
Operating distance [mm]	10 ... 10.000
Focal length [mm]	6.5
Opening angle [°]	20.7
Min. field of view (X x Y) [mm]	15.3 x 11.5
Aperture number	2.8
Depth of field	Standard
Focus drive	Motorized
Target laser	Laser rot (655 nm)
Laser class	1 (IEC 60825-1)

Functions

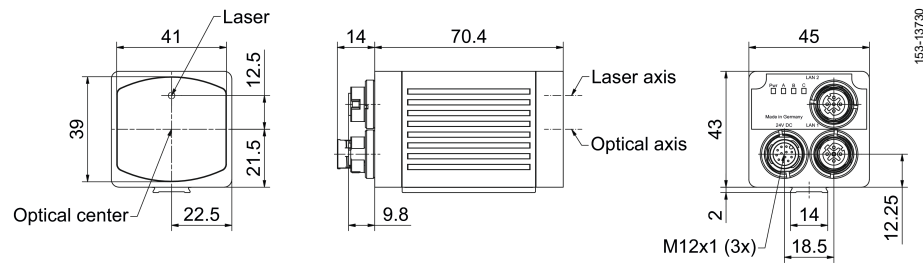
Max. number of jobs	255
Max. number of detectors	255
Alignment	Contour comparison, Pattern matching, Edge detection
Available detectors	Pattern matching, Contour, Contour check, BLOB, Brightness, Contrast, Grayscale, Caliper
Result processing	Numbers
Pre-processing	Arrangement, Filter
Calibration	Board (measurement), Scaling (measurement)
Robotic functions	-
Additional functions	Archiving, Image transmission, individual overlays, Multiple image acquisition, Multiple detection for contour and pattern matching detector, Job checksum

Electrical data	
Operating voltage UB [V DC]	18 ... 30
Typical current draw [mA]	350
Type of voltage source	Das Gerät muss über ein "Class 2"-Netzteil versorgt werden.
Readiness delay [ms]	≤ 16,000
Reverse polarity protection	Yes
Overvoltage protection	No
Residual ripple [%]	≤ 5 Vss, Schärfegrad 3
Explanation of residual ripple	EN 61000-4-17
Polarity	PNP/NPN
Short circuit protection	Yes
Input threshold (High)	> UB-1V
Input threshold (Low)	< 3V
Input resistance [kΩ]	> 20
Max. output current [mA]	50
Explanation of max. output current	max. 100 mA an Pin 12
Inductive loads	Typ.: Relais 17 K / 2 H, Pneumatikventil 1.4 K / 190 mH
Max. output current (total) [mA]	200
Ethernet transmission rate [Mbit/s]	100
Number of switchable IOs	6
Number of outputs	2
Number of inputs	2
Encoder functions	Yes

Mechanical data	
Height [mm]	85.0
Length [mm]	45.0
Width [mm]	45.0
Weight [g]	~ 220
Front panel material	PMMA
Housing material	Aluminum (cast)
Connection name	Supply
- Number of pins	12
- Coding	A
- Thread	M12x1
- Material	Metal
- Type	Plug
Connection name	LAN
- Number of pins	4
- Coding	D
- Thread	M12x1
- Material	Metal
- Type	Socket
Ambient temperature: operation [°C]	0 ... 50
Explanation of ambient temperature: operation	< 95 % Luftfeuchtigkeit, nicht kondensierend
Ambient temperature: storage [°C]	-20 ... 60
Explanation of ambient temperature: storage	< 95 % Luftfeuchtigkeit, nicht kondensierend
Protection class	IP 65, IP 67
Explanation of protection class	Bei C-Mount Geräten nur in Kombination mit Schutztubus
Vibration and shock resistance	EN 60068-2-6, EN 60068-2-27

Technical drawings

Dimensional drawing



Product link

<https://www.sensopart.com/en/products/details/637-91123>