V10-CR-A3-W-WD-M2-L

Ordering information

Designation for ordering	V10-CR-A3-W-WD-M2-L
Part number	**631-91035**
Order text	VISOR® V10 Code Reader, Advanced, 255 jobs each with 255 detectors, white illumination, wide field of view, increased depth of field, motorized focus, LAN interface, target laser
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
Explanation of risk category	Acc. to EN 62471
Resolution	SVGA
Number of pixels (H x V) *[px]*	800 x 600
Imaging chip technology	CMOS
Sensor size *["]*	1/3.6
Pixel size *[µm]*	4.80
Field of view type	Wide
Operating distance *[mm]*	0 ... 10,000
Focal length *[mm]*	5.2
Opening angle *[°]*	48.0
Min. field of view (X x Y) *[mm]*	13 x 10
Aperture number	5.4
Depth of field	Enhanced
Focus drive	Motorized
Target laser	Laser red (655 nm)
Laser class	1 (IEC 60825-1)

Functions	
Hardware	VISOR®
Max. number of jobs	255
Max. number of detectors	255
Alignment	-
Available detectors	Data code, Barcode
Result processing	Text
Pre-processing	Arrangement, Filter
Calibration	-
Robotic functions	-
Additional functions	Archiving, Image transmission, individual overlays, Multiple image acquisition, Job checksum
Network protocol	TCP/IP, Profinet, EtherNet/IP, sFTP, SMB, FTP, Service Port

The information contained in this data sheet has been prepared with the utmost care. We reserve the right to make technical changes.

Electrical data

Operating voltage UB *[V DC]*	18 ... 30
Typical current draw *[mA]*	350
Type of voltage source	The device must be supplied by a "Class 2" power supply unit.
Readiness delay *[ms]*	≤ 16,000
Reverse polarity protection	Yes
Overvoltage protection	No
Residual ripple *[%]*	≤ 5 Vss, level 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 on pin 12
Inductive loads	Typ.: Relay 17 K / 2 H, pneumatic valve 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 % humidity, non-condensing
Ambient temperature: storage *[°C]*	-20 ... 60
Explanation of ambient temperature: storage	< 95 % humidity, non-condensing
Protection class	IP 65, IP 67
Explanation of protection class	For C-mount devices, only in combination with protective tube
Vibration and shock resistance	EN 60068-2-6, EN 60068-2-27

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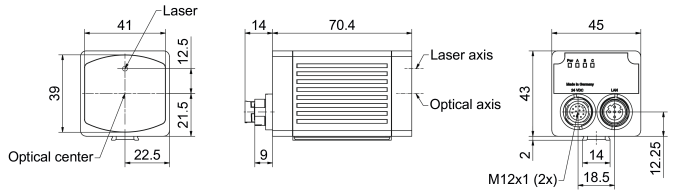
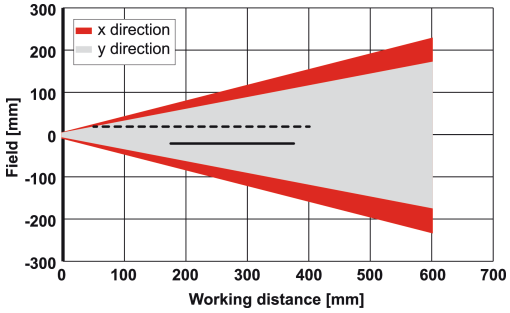
Technical drawings

Dimensional drawing



Field of view

Wide



----- Increased depth of field, ——— Normal depth of field

Product link

https://www.sensopart.com/en/products/details/631-91035