V20-CR-P3-R-M-M2-L

Ordering information

Designation for ordering	V20-CR-P3-R-M-M2-L
Part number	**632-91085**
Order text	VISOR® V20 Code Reader, Professional, 255 jobs each with 255 detectors, red illumination, medium field of view, 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	Red
Wavelength *[nm]*	625
LED risk category *[RG]*	0
Explanation of risk category	Acc. to EN 62471
Resolution	HDV2
Number of pixels (H x V) *[px]*	1440 x 1080
Imaging chip technology	CMOS
Sensor size *["]*	1/2.9
Pixel size *[µm]*	3.45
Field of view type	Medium
Operating distance *[mm]*	25 ... 10,000
Focal length *[mm]*	12.0
Opening angle *[°]*	24.0
Min. field of view (X x Y) *[mm]*	10 x 8
Aperture number	2.8
Depth of field	Standard
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	Contour comparison, Pattern matching, Edge detection
Available detectors	Pattern matching, Data code, Barcode, OCR, Brightness, Contrast, Grayscale
Result processing	Text
Pre-processing	Arrangement, Filter
Calibration	-
Robotic functions	-
Additional functions	Archiving, Image transmission, individual overlays, Multiple image acquisition, Job checksum, Conditional executions
Network protocol	TCP/IP, Profinet, EtherNet/IP, sFTP, SMB, FTP, Service Port

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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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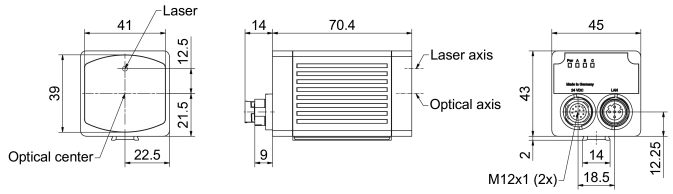
Technical drawings

Dimensional drawing



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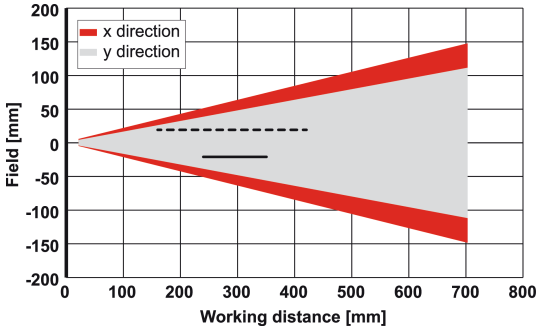
Field of view

Medium



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Product link

https://www.sensopart.com/en/products/details/632-91085