VISOR® V20 Code Reader Advanced, C-mount

Multi-Code Reader for 1D and 2D codes

PRODUCT HIGHLIGHTS

- Can be used for all common 2D codes (ECC 200 data matrix) and common 1D barcodes
- Reliable detection of even poorly readable codes under difficult ambient conditions
- Comprehensive tools for flexible and easy connection to PC and PLC environments
- Reading of several similar or differing types of codes in one reading pass

Optical data	
Resolution	1440 × 1080 pixels
Imaging chip CMOS	1/2.9", monochrome
Integrated lens, focal length [mm]	C-mount
Pixel size	3.45 µm × 3.45 µm
Focus	Manual
Adjustment range	Dependent on lens
Integrated illumination	None
Minimum field of view, X × Y	Dependent on lens
Target laser	No

Functions		
Number of jobs / detectors	max. 255 / max. 255	
Detectors	**Barcode:** reading 1D barcodes; EAN, UPC, RSS, 2/5 Interleaved, 2/5 Industrial, code 32, code 39, code 93, code 128, ECC200 GS1, pharm code, codabar; **Datacode:** reading 2D codes: ECC200 (GS1), QR code (GS1), Micro QR code, Aztec code (GS1), PDF 417; **Result processing: Text:** checking and calculating with results from detectors	

Electrical data	
Operating voltage, $+U_B$	18 ... 30 V DC[1]
Current consumption (without I/O)	≤ 300 mA
Protective circuits	Reverse-polarity protection, U_B / short-circuit protection of all outputs
Power On Delay	Approx. 13 s after Power on
Outputs	PNP/NPN (switchable)
Max. output current (per output)	50 mA, 100 mA (pin 12)
Switching threshold inputs incl. encoder	PNP/NPN High > U_B-1 V / Low < 3 V
Input resistance	> 20 kΩ
Interfaces VISOR® V20-CR-Advanced	Ethernet (LAN), EtherNet/IP, PROFINET, SensoWeb, Service Port
Inputs/outputs	2 inputs, 2 outputs, 6 selectable inputs/outputs
Encoder	✓

Mechanical data	
Dimensions	70.4 × 45 × 45 mm (without plug)
Enclosure rating	IP 67 & IP 65[2]
Material, housing	Aluminium, die-cast, RoHS compliant
Material, front screen	Plastic
Ambient temperature: operation	0 … +50 °C[3]
Ambient temperature: storage	-20 … +60 °C[3]
Weight	Approx. 200 g
Plug connections	Supply and I/O M12, 12-pin Ethernet M12, 4-pin
Vibration resistance	EN 60068-2-6
Shock resistance	EN 60068-2-27

[1] Max. ripple < 5 V_{SS} [2] Only with protective casing   [3] 80 % air humidity, noncondensing
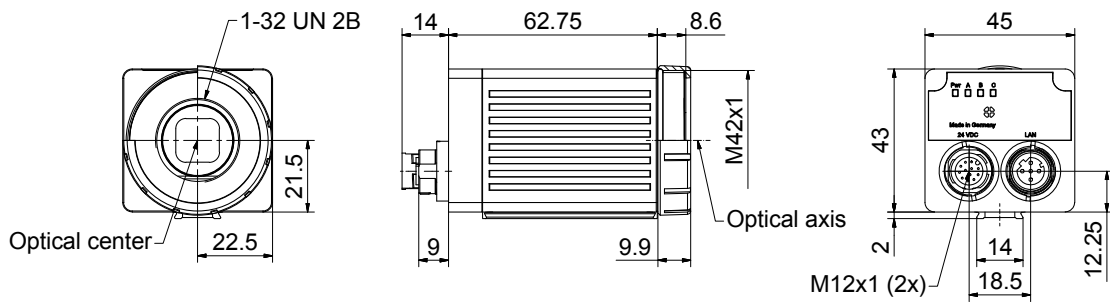
Sold & Serviced By:

ELECTROMATE

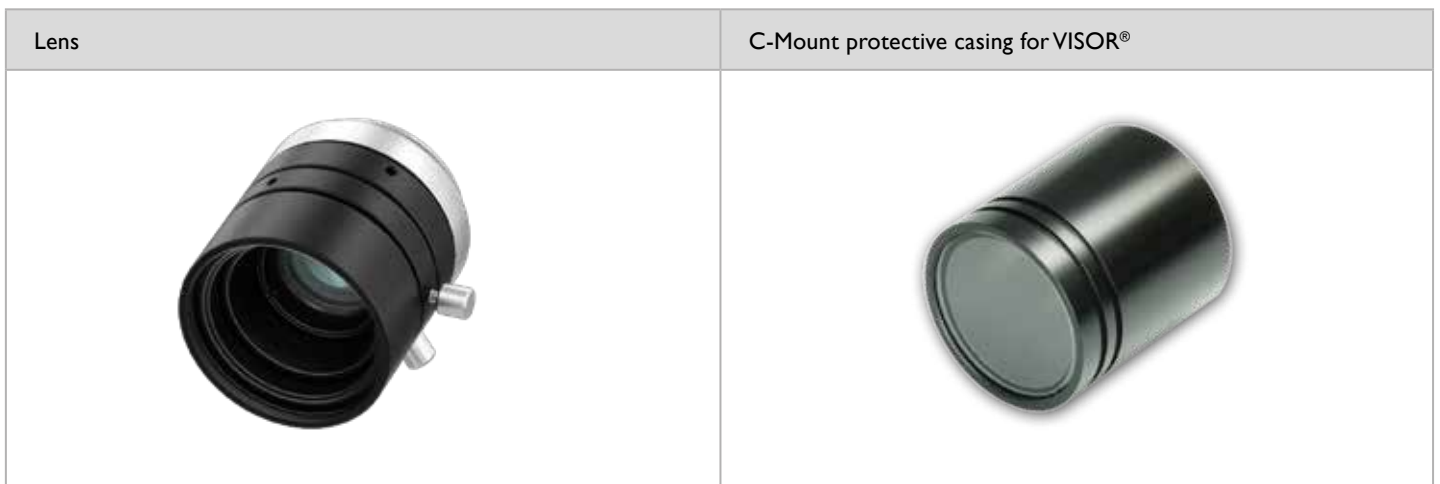Toll Free Phone (877) SERVO98
www.electromate.com
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VISOR® vision sensor C-mount

1-32 UN 2B
Optical center
21.5
22.5
14
62.75
8.6
M42x1
9
9.9
Optical axis
45
43
2
Made in Germany
24 VDC   LAN
M12x1 (2x)
14
18.5
12.25

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Lens	C-Mount protective casing for VISOR®

Part number	Article number
LPT Vxx-G37.5	651-01006
LPT Vxx-25.0	651-01007

	LOC-08-HD-30.5x0.5	LOC-12-HD-27x0.5	LOC-16-HD-27x0.5	LOC-25-HD-27x0.5	LOC-35-HD-27x0.5	LOC-50-HD-27x0.5	LOC-75-HD-34x0.5
Focal length	8 mm	12 mm	16 mm	25 mm	35 mm	50 mm	75 mm
Article number	526-51535	526-51536	526-51537	526-51538	526-51539	526-51540	526-51541

Part number	Article number	Accessories	
V20-CR-A3-C-2	632-91054	Connection cables	www.sensopart.com/en/accessories
		Illumination	
		Lenses	
		Brackets	
		Interface accessories	