

VISOR® V10 Code Reader Standard, narrow field of view

Reading of 1D and 2D codes



PRODUCT HIGHLIGHTS

- Can be used for all common 2D codes (ECC 200 data matrix) and common 1D barcodes
- Comprehensive tools for flexible and easy connection to PC and PLC environments

Optical data		Functions	
Resolution	800 x 600 pixels	Number of jobs / detectors	8 / 2
Imaging chip CMOS	1/3.6", monochrome	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;
Integrated lens, focal length [mm]	20 (narrow)		
Pixel size	4.8 µm x 4.8 µm		
Focus	Motorized		
Adjustment range	100 mm to infinity		
Integrated illumination	White (5000 K), red (635 nm), infrared (850 nm) LEDs		
Minimum field of view, X x Y	14 x 10 mm		
Electrical data		Mechanical data	
Operating voltage, +U _B	18 ... 30 DC ¹	Dimensions	70.4 x 45 x 45 mm (without plug)
Current consumption (without I/O)	≤ 300 mA	Enclosure rating	IP 67 & IP 65
Protective circuits	Reverse-polarity protection, U _B / short-circuit protection of all outputs	Material, housing	Aluminium, die-cast, RoHS compliant
Power On Delay	Approx. 13 s after Power on	Material, front screen	Plastic
Outputs	PNP/NPN (switchable)	Ambient temperature: operation	0 ... +50 °C ²
Max. output current (per output)	50 mA, 100 mA (pin 12)	Ambient temperature: storage	-20 ... +60 °C ²
Switching threshold inputs incl. encoder	PNP/NPN High > U _B -1V / Low < 3V	Weight	Approx. 200 g
Input resistance	> 20 kΩ	Plug connections	Supply and I/O M12, 12-pin Ethernet M12, 4-pin
Interfaces VISOR® V20-CR-Advanced	Ethernet (LAN), EtherNet/IP, PROFINET, SensoWeb	Vibration resistance	EN 60068-2-6
Inputs/outputs	2 inputs, 2 outputs, 4 selectable inputs/outputs	Shock resistance	EN 60068-2-27
Encoder	No		

¹ Max. ripple < 5 V_{SS} ² 80 % air humidity, noncondensing

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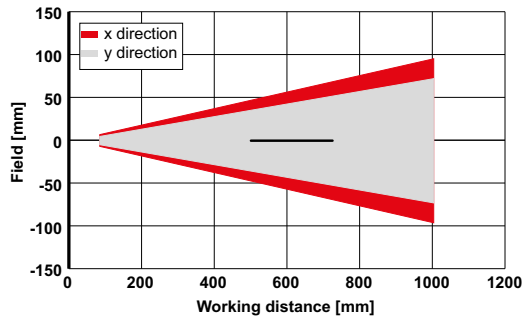
VISOR® vision sensor



153-13554

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Field of view V10, narrow



155-03097

— Normal depth of field

Illumination	Part number	Article number	Accessories
White	V10-CR-S3-W-N-M2	631-91063	Connection cables www.sensopart.com/en/accessories Illumination Brackets Interface accessories
Red	V10-CR-S3-R-N-M2	631-91068	
Infrared	V10-CR-S3-I-N-M2	631-91072	

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