

# VE202G1C Barcode Reader — Smart Camera



### Technical data

Туре	VE202G1C	
ID	3810269	
Camera data	3010209	
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Function	Barcode reader - smart camera	
Image sensor	1/1.8" CMOS, grayscale value	
Resolution	1600 × 1200 pixels	
Pixel size	4.5 μm	
Frame rate	50 fps	
Exposure time	0.02500 ms	
Internal memory	500 MB	
Number of inspections	≤ 999	
Lens	C-Mount	
Electrical data		
Operating voltage $U_{\scriptscriptstyle B}$	1230 VDC	
DC rated operating current $I_{\scriptscriptstyle e}$	≤ 400 mA	
Short-circuit protection	yes	
Reverse polarity protection	yes	
Communication protocol	EtherNet/IP Modbus TCP PROFINET	
Output function	Input/output programmable, 5 × PNP/ NPN optically decoupled	
Power on display	LED, Green	
Switching state	LED, Yellow	
Error indication	LED, red	
Mechanical data		
Design	Rectangular, VE	
Dimensions	88 x 67 x 41.4 mm	



# Features

Image processing tools: grayscale value, object, edge and positioning functions; pattern, blob, blemish and bead detection Identification tools: automatic teach-in, maximum barcode count, 1D barcodes, 2D barcodes, postal barcodes, quality rating Analysis tools: mathematical operations and measuring function Vision manager software with intuitive user interface 1/1.8" CMOS, 2 MP image sensor 2-line, 8-segment LCD display with pushbuttons 5 x PNP/NPN, input/output External trigger input Connection for external lighting Supports Ethernet protocol PROFINET, EtherNet/IP and Modbus/TCP) Protection class IP20, IP67 with lens cover (sold separately) C-mount lens (sold separately) Wiring diagram



#### Technical data

Housing material	Aluminium, AL	
Electrical connection	Connector, M12 × 1, 12-wire	
Ambient temperature	0+50 °C	
Protection class	IP20 IP67	
Tests/approvals		
Approvals	CE, cULus list	



## Functional principle

The VE smart camera has a 2-megapixel CMOS image sensor and combines the ease of use and configuration (similar to the iVu image sensor) with the powerful complexity and multifunctionality (similar to the PresensePlus P4) of an image processing system. The vision manager software is an intuitive user interface. It has a variety of editing options, great flexibility in the creation and editing of inspections, as well as the possibility to simulate inspections with an emulator in the course of an application analysis.

#### Accessories

SMBVEMP	3800293	SMBVERA	3097185
Mounting p	anel	0 3.5 0 7 0 3.5 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7	Bracket for mounting on right side
Accessories			
Dimension drawing	Туре	ID	
	MQDC2S-1206	3011420	Power supply, M12 × 1 female connector, 12-pin, cable length: 1.83 m





#### Accessories

Dimension drawing	Туре	ID	
1022/053 10210 123 10210 123 10210 10210 123 10210	LCF12LEVMP	3097347	C-mount lens, 12 mm focal distance
*53 *53	VELC60-PC	3097182	Lens cover, length: 60mm, Window material: Polycarbonate
Kein Madibild vorhanden/ Kein direvendion drawing wasitable	FLTR635-27	3097530	Bandpass filter red, 27 mm diameter suitable for LCFxxLEVMP lenses
	LEDRRV70XD5-PM	3097364	High-intensity LED ring light, adjustable via potentiometer, for installation and control on a VE smart camera, light color: red
	LEDRRV62X62M	3097378	LED ring light for installation and control on a VE smart camera, light color: red