



Model Number

MAC335-300-RD-F119

Stationary read device for standstill reads of all common 1D, 2D and Pharmacodes with variable read distance up to 300 mm

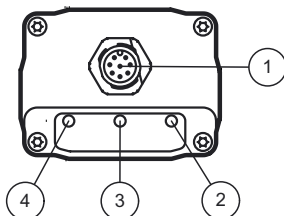
Features

- Programmable with JavaScript
- Large imaging area
- All common 1D or 2D codes can be read
- 3 readings per seconds
- Omni-directional reading

Function

The MAC335 is a stationary reader for all common 1D and 2D codes. The megapixel CMOS image converter, in connection with the specially developed optics, makes an extremely large range and a large reading window possible. Thanks to automatic dynamic optimization, the reader detects the most varied of codes and enables efficient operation for you. You can program the MAC335 with the aid of a convenient program or configuration code. There is the option to develop customer-specific solutions with a JavaScript editor.

Indicating / Operating means

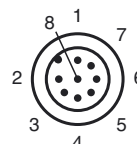


1	Connector M12 x 1	
2	LED GOOD	green
3	LED TRIG	yellow
4	LED PWR	green

Electrical connection

Pin	Signal	Function
1	Trigger	Trigger input
2	+UB	Device power supply
3	RX	RS 232_RX
4	24 V I/O	External power supply
5	GND I/O	External ground
6	GOOD	GOOD output
7	GND	Device ground
8	TX	RS 232_TX

Pinout



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Technical data**General specifications**

Light type	Integrated LED lightning (red)
Symbologies	Maxi Code, PDF 417, Data Matrix, QR Code, MicroPDF 417, GoCode, UCC Composite, Aztec Code, Code 39, Code 128, UPC, EAN, JAN, Int 2 of 5, Codabar, Code 93, UCC RSS, POSTNET, PLANET, Japanese Post, Australia Post, Royal Mail, RM4SCC, KIX Code, Codablock, Pharma code, 4-State Customer Barcode (Intelligent Mail® Barcode)
Read distance	20 ... 300 mm Depending on code symbology
Depth of focus	± 140 mm
Reading field	max. 200 mm x 160 mm
Modul size	≥ 0.15 mm
Sensor principle	Camera system
Target velocity	Stop
Data Matrix	
Symbol size	rectangular up to 144 x 144 modules rectangular up to 16 x 48 modules

Nominal ratings

Camera	
Type	CMOS
Number of pixels	1280 x 1024 pixels per focus point
Gray scale	256
Image recording	real-time, program controlled or external triggered

Electrical specifications

Operating voltage	U_B	24 V DC ± 15%, PELV
Operating current		max. 200 mA

Interface

Physical	RS 232
Protocol	ASCII
Transfer rate	9600 ... 115200 Bit/s
Cable length	max. 30 m

Output

Number/Type	1 electronic output, PNP, optically decoupled
Switching voltage	to be applied externally 24 V +/- 15% PELV
Switching current	100 mA
Cable length	max. 30 m

Ambient conditions

Ambient temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)

Mechanical specifications

Protection degree	IP65
Connection	8-pin, M12 x 1 connector
Material	
Housing	lacquer-coated aluminum
Mass	approx. 200 g

Compliance with standards and directives

Directive conformity	
EMC Directive 89/336/EEC	EN 61326, EN 61000-6-4
Standard conformity	
Noise immunity	EN 61326:2002-03
Emitted interference	EN 61000-6-4:2001
Protection degree	EN 60529
Laser class	IEC 60825-1:2007

Accessories**Vision Configurator**

Operating software for camera-based sensors

ODZ-MAH200-CODEROUTER

Code Router Software

V19-G-5M-PUR-ABG

Female cordset, M12, 8-pin, shielded, PUR cable

V19-G-2,5M-PUR-ABG-SUBD25

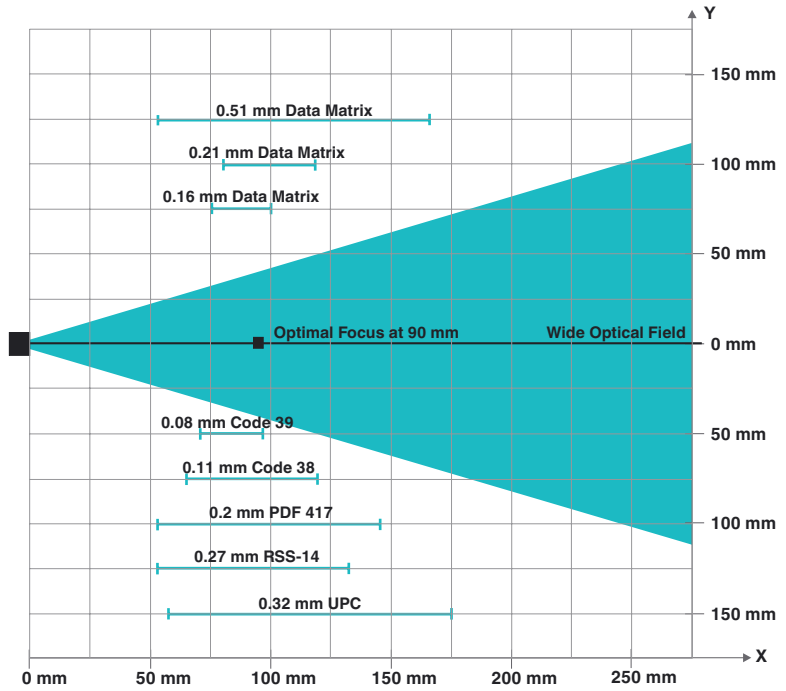
Connection cable, M12 to SUB-D, PUR cable 8-pin

V19-G-5M-PUR-ABG-SUBD15

Connection cable, M12 to SUB-D, PUR cable 8-pin

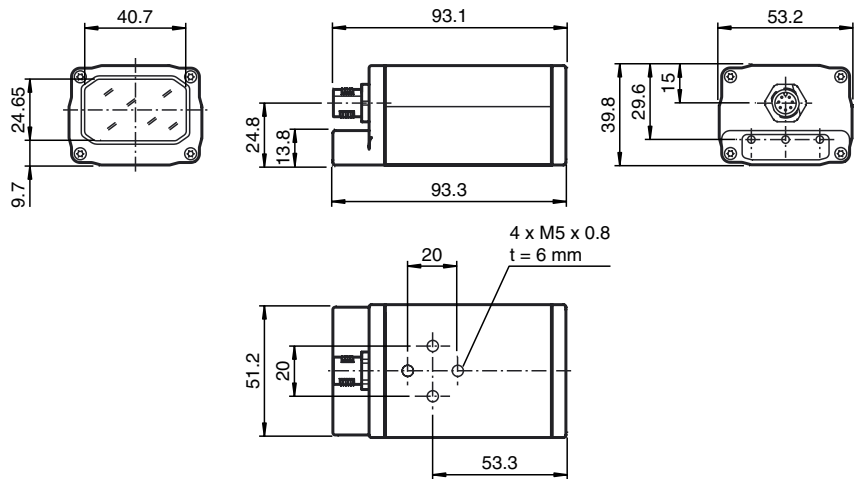
V15S-G-0,5M-PUR-ABG-SUBD9

Read range for various symbologies



Note: Smallest symbology that can be read is 0,15 mm Data Matrix

Dimensions



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".