



Model Number

ODT-MAC344-WHITE

Stationary read device with offset control unit for Data Matrix ECC 200 and Pharmacode

Features

- 25 readings per seconds
- 6 m/s motion speed
- Omni-directional reading
- Progressive scan
- Evaluation of up to 256 gray values with adaptive gray value threshold
- VGA output
- Compact design and remote evaluation unit for easy mounting in confined spaces

Technical data**General specifications**

Light type	Integrated LED lightning (white)
Symbologies	Pharma code , Data Matrix ECC 200
Read distance	32 mm
Depth of focus	± 3 mm
Reading field	29 mm x 24 mm
Modul size	≥ 0.25 mm
Sensor principle	Camera system
Evaluation frequency	25 Hz
Target velocity	triggered ≤ 6 m/s
Data Matrix	
Symbol size	rectangular up to 48 x 48 modules rectangular up to 16 x 48 modules
Data format	ASCII, C40, Text, X12, Edifact, Base 256 , all according to ISO 646
Data capacity	348 numerical, 259 ASCII, 172 Byte
Orientation	omnidirectional

Nominal ratings

Camera	
Type	progressive scan CCD
Chip size	1/3 " (5.84 mm x 4.94 mm)
Number of pixels	640 x 480 pixels
Gray scale	256
Image recording	real-time , Program-controlled or triggered externally
Processor	
Clock pulse frequency	150 MHz
Speed of computation	1200 MIPS
Digital resolution	8 Bit

Indicators/operating means

LED indicator	Trigger, good/poor reading
---------------	----------------------------

Electrical specifications

Operating voltage	U _B	24 V DC ± 15% , PELV
Operating current		max. 250 mA

Interface

Physical	RS 232
Protocol	ASCII
Transfer rate	9600 ... 115200 Bit/s

Output

Number/Type	2 electronic outputs, PNP , optically decoupled optional up to 4 outputs
Switching voltage	to be applied externally 24 V +/- 15 % PELV
Switching current	100 mA each output

Ambient conditions

Ambient temperature	0 ... 45 °C (32 ... 113 °F)
---------------------	-----------------------------

Mechanical specifications

Protection degree	IP20
Connection	Video: 15-pin socket Supply/interfaces/in- and outputs: 15-pin Sub-D connector
Material	
Housing	anodized aluminum
Mass	approx. 750 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

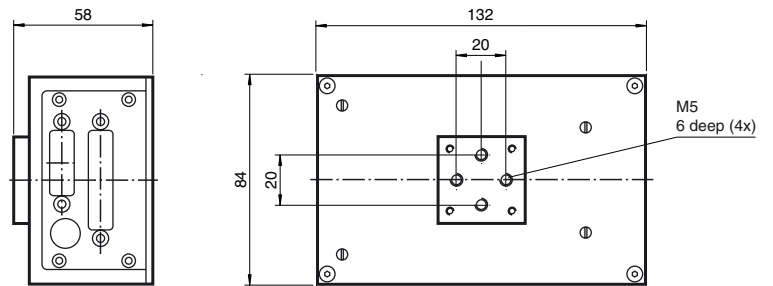
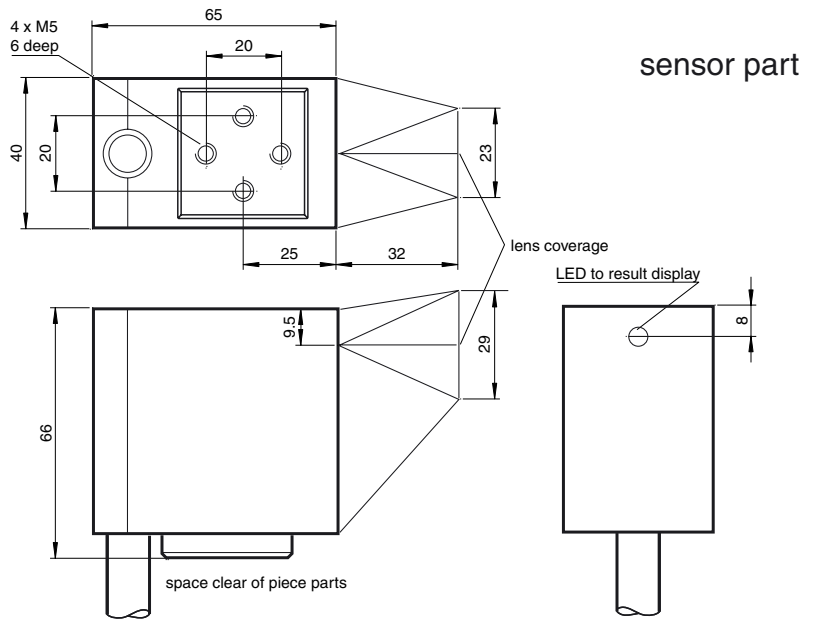
Accessories**ODZ-MAC-CAB-VIDEO**

Video cable VGA

ODZ-MAC-CAB-24V-R2-2M

Connecting cable for power supply/RS 232

Dimensions



Release date: 2009-05-19 11:47 Date of issue: 2013-09-03 184354_eng.xml

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 4411
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com