Model Number

ODT-MAC431-HD-WH-MC

Stationary multicode read device for all common 1D, 2D, and Pharmacodes at speeds of 2 m/s, angled line of vision, side illumination, Ethernet, VGA output, RS 232 interface

Features

- All common 1D or 2D codes can be read
- 30 scans per second
- Passage speed 2 m/s
- VGA output
- Integrated error image memory

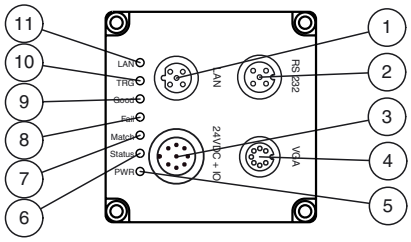
Function

The stationary reader is a reading system for the recognition of data matrix codes. With a powerful signal processor and optimized decoding algorithms, the device delivers delivers extremely high reading speeds.

The configuration is easy and comfortable via the standard Ethernet interface using a standard web browser or via serial port.
The device is supported by an VGA video output. In addition, the device has an integrated error image memory.

Typical operative range of stationary readers are:
- Document handling
- Printing machines
- Identification in packaging and warehousing technology
- Detection of PCBs

Indicating / Operating means



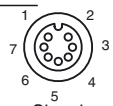
1	Socket LAN
2	Socket RS 232
3	Connector 24VDC + IO
4	Socket VGA
5	PWR
6	Status
7	Match
8	Fail
9	Good
10	TRG
11	LAN

Electrical connection

RS 232

Pin	Signal
1	+UB
2	TX RS232
3	GND
4	RX RS232
5	IN 5 / OUT 3

VGA

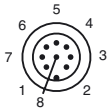


Pin	Signal
1	OUT VSYNC
2	GND
3	OUT R
4	OUT G
5	GND
6	OUT B
7	OUT HSYNC

LAN

Pin	Signal
1	TX+ Ethernet
2	RX+ Ethernet
3	TX- Ethernet
4	RX- Ethernet

(24 V DC + I/O)



Pin	Signal
1	IN TRG / OUT 1
2	+UB
3	OUT Good / IN 1
4	OUT Fail / IN 2
5	IN 3
6	IN 4 / OUT 2
7	GND
8	OUT Match

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Technical data

General specifications		
Light type		Integrated LED lightning (white)
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, Pharmacode
Read distance		60 mm
Depth of focus		± 3 mm
Reading field		max. 15 mm x 10 mm
Modul size		≥ 0.1 mm
Sensor principle		Camera system
Evaluation frequency		max. 30 Hz
Target velocity		triggered ≤ 2 m/s
Nominal ratings		
Camera		
Type		CMOS , Global shutter
Number of pixels		752 x 480 pixels
Gray scale		256
Image recording		real-time , Program-controlled or triggered externally
Indicators/operating means		
Operating display		LED green: Ready for operation
LED indicator		for good/poor reading , Trigger , LAN , Match code
Electrical specifications		
Operating voltage	U_B	24 V DC ± 15% , PELV
No-load supply current	I_0	max. 250 mA
Power consumption	P_0	6 W
Interface		
Physical		Ethernet
Protocol		TCP/IP
Transfer rate		100 MBit/s
Cable length		max. 30 m
Output		
Number/Type		4 electronic outputs, PNP
Switching voltage		24 V ± 15 %
Switching current		100 mA each output
Cable length		max. 30 m
Output 1		
Output type		Video output, RGB (75 Ohm), 1 Vpp
Resolution		VGA, 800 x 600 pixels
Cable length		2 m
Ambient conditions		
Ambient temperature		0 ... 45 °C (32 ... 113 °F)
Storage temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Protection degree		IP65
Connection		8-pin, M12x1 connector, standard (supply+IO) M12 x 1 female connector, 5-pin, standard (IO) 4-pin, M12x1 socket, standard (LAN) Video: 7-pin socket
Material		
Housing		powder coated diecast zinc
Mass		approx. 760 g
Compliance with standards and directives		
Directive conformity		
EMC Directive 2004/108/EC		EN 61326-1 , EN 61000-6-4
Standard conformity		
Noise immunity		EN 61326-1
Emitted interference		EN 61000-6-4
Protection degree		EN 60529
Laser class		IEC 60825-1:2007

Accessories

V19-G-2M-PUR-ABG
Female cordset, M12, 8-pin, shielded, PUR cable

V15S-G-5M-PUR-ABG
Male cordset, M12, 5-pin, shielded, PUR cable

V1SD-G-2M-PUR-ABG-V45-G
Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

V1SD-G-2M-PUR-ABG-V45X-G
Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

V19-G-2,5M-PUR-ABG-SUBD25
Connection cable, M12 to SUB-D, PUR cable 8-pin

ODZ-MAC-CAB-VIDEO
Video cable VGA

Other suitable accessories can be found at www.pepperl-fuchs.com

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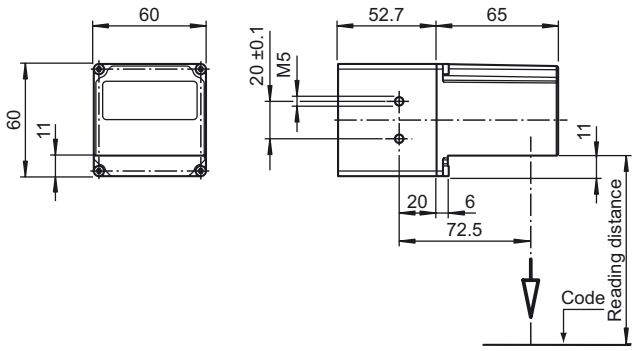
Dimensions



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