



**Model Number**

**ODT-MAC421-LD-RD-MC**

Stationary multicode read device for all common 1D, 2D and Pharmacodes at speeds of 10 m/s, angled line-of-sight, VGA resolution, Ethernet

**Features**

- 10 m/s motion speed
- 30 scans per second
- All common 1D or 2D codes can be read
- Integrated error image memory
- Code quality index output

**Function**

The stationary reading device is an optical identification system for reading up to 26 several code symbology.

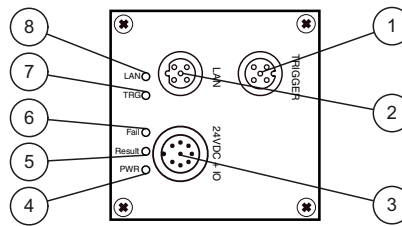
With its high-performance signal processor, a partial image capture function, and optimized decoding algorithms, the device features extremely high reading speeds.

The stationary reading device can be configured easily and quickly using a normal web browser via the standard Ethernet interface. The reading device also features an integrated error image memory.

Typical areas of application are

- Document handling
- Printing machines
- Identification in the packaging and warehouse sector
- PCB identification

**Indicating / Operating means**



1	Socket Trigger	
2	Socket LAN	
3	Plug 24VDC + IO	
4	Power	green
5	Result	green
6	Fail	red
7	Trigger	yellow
8	LAN	yellow

**Electrical connection**

**TRIGGER**



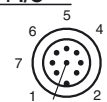
Pin	Signal
1	+UB
2	NC
3	GND
4	IN Trigger
5	NC

**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
2	+UB
3	OUT Good
4	OUT Fail
5	IN 1
6	OUT 1
7	GND
8	OUT Match

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**Technical data****General specifications**

Light type	Integrated LED lightning (red)
Laser nominal ratings	
Note	LASER LIGHT , DO NOT STARE INTO BEAM
Laser class	2
Wave length	650 nm
Beam divergence	< 1.5 mrad
Maximum optical power output	0.5 mW
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	100 mm
Depth of focus	± 5 mm
Reading field	50 mm x 30 mm
Sensor principle	Camera system
Evaluation frequency	max. 30 Hz
Target velocity	triggered ≤ 10 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**

LED indicator	for good/poor reading , Trigger , LAN
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**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	2 electronic outputs, PNP
Switching voltage	to be applied externally 24 V ± 15 % PELV
Switching current	100 mA each output
Cable length	max. 30 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)
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**

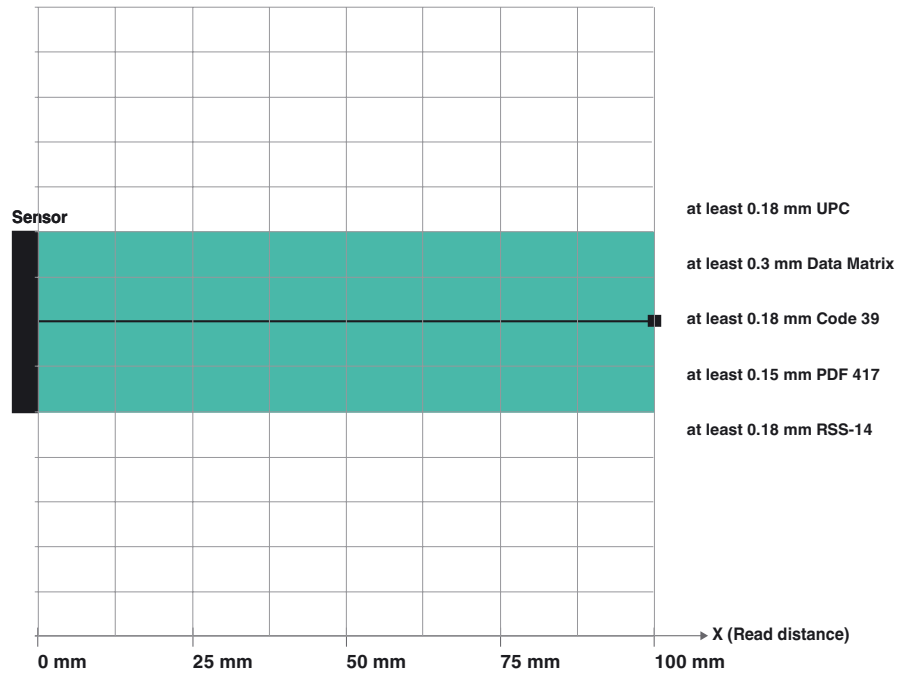
Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

**V1SD-G-2M-PUR-ABG-V45X-G**

Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

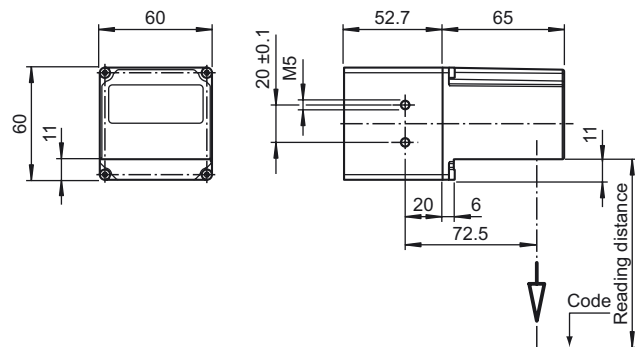
Additional accessories can be found in the Internet.

**Read range for various symbologies**



Note: Smallest symbology that can be read is 0,15 mm PDF417

**Dimensions**



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

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