Laser Class 2M

Model Number

ODT-HH-MAH200

Handheld Data Matrix reader for all current 1D and 2D barcodes, for wired and wireless operation

Features

- All common 1D or 2D codes can be read
- 3 readings per seconds
- Omni-directional reading
- Evaluation of up to 256 gray values with adaptive gray value threshold

Function

The ODT-HH-MAH200 is a handheld, which is used to identify objects with 1D and 2D barcodes. With this, the handheld sets a new benchmark: Thanks to the CMOS-Sensor, with a resolution of 1.3 million pixels, an innovative lens coverage with 2 reading ranges and a 400 MHz processor, the light and quick handheld device is presented with the ODT-HH-MAH200, fulfiling all the requirements of an object identifier, comparable to that of a stationary reading device.
The unique Dynamic Optimization Technology (DOT) continuously adapts the resolution, illumination and reading range to enable fast identification and decoding of a wide range of symbology types, sizes, recording surfaces and ambient lighting. With DOT, the ODT-HH-MAH200 can decode 2D barcodes at speeds similar to those achieved when decoding 1D barcodes.
Data stored on the handheld can be smoothly transfered to a PC with a USB, RS 232 or PS/2 interface. For this purpose, an optimal accessory has been made available.

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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 , 4-State Customer Barcode (Intelligent Mail® Barcode)
Laser class	2M
Read distance	50 ... 500 mm Depending on code symbology
Reading field	max. 125 mm x 200 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
Orientation	omnidirectional
Nominal ratings	
Camera	
Type	CMOS
Number of pixels	1024 x 640 pixels per focus point
Gray scale	256
Image recording	real-time , manually triggered
Processor	
Clock pulse frequency	400 MHz
Digital resolution	8 Bit
Indicators/operating means	
Key	2 programmable function keys
Electrical specifications	
Supply	from USB or integrated accumulator
Interface	
Physical	USB 1.1 , RS 232 or PS/2
Protocol	ASCII
Ambient conditions	
Ambient temperature	0 ... 40 °C (32 ... 104 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Protection degree	IP20
Connection	System connector for connecting cable or handle
Material	
Housing	plastic
Mass	approx. 50 g
Dimensions	109 mm x 46 mm x 33 mm
Compliance with standards and directives	
Directive conformity	
EMC Directive 89/336/EEC	EN 55024
Standard conformity	
Noise immunity	EN 61000-4-2/3/4/6, EN 55022
Emitted interference	EN 55022
Protection degree	EN 60529
Laser class	IEC 60825-1:2007

Accessories

Vision Configurator
Software for all camera-based sensors

ODZ-MAH200-BRACKET
Bracket for ODT-HH-MAH200

ODZ-MAH-GRIP1
Handle with trigger button

ODZ-MAH-GRIP2
Handle with trigger switch and 1950 mAh battery

ODZ-MAH-GRIP3
Handle with trigger switch and 3900 mAh battery

ODZ-MAH-SUPPLY
Power supply

ODZ-MAH-CHARGER
Charging tray for ODZ-MAH-GRIP2/GRIP3

ODZ-MAH-CHARGER-SINGLE
Charger for ODT-HH-MAH200/300/I*T-HH20

ODZ-MAH200-CHARGER
Charger for ODT-HH-MAH200/ODZ-MAH-BAT

ODZ-MAH-CAB-CHARGE
Cable for power supply unit

ODZ-MAH-BAT
Lithium ion battery 1950 mAh

ODZ-MAH-BLANK
Battery blank

ODZ-MAH-CAB-R2
Connection cable RS 232 interface

ODZ-MAH-CAB-R6
Connecting cable PS/2 interface

ODZ-MAH-CAB-B14
Connecting Cable with USB Interface

ODS-MAH-RULERUNNER
Rule Runner Java Script licence

ODZ-MAH200-CODEROUTER
Code Router Software

ODZ-MAH-5V-110V
Power supply

ODZ-MAH-CHARGER-UM-110V
Charging tray for ODZ-MAH-GRIP2/GRIP3

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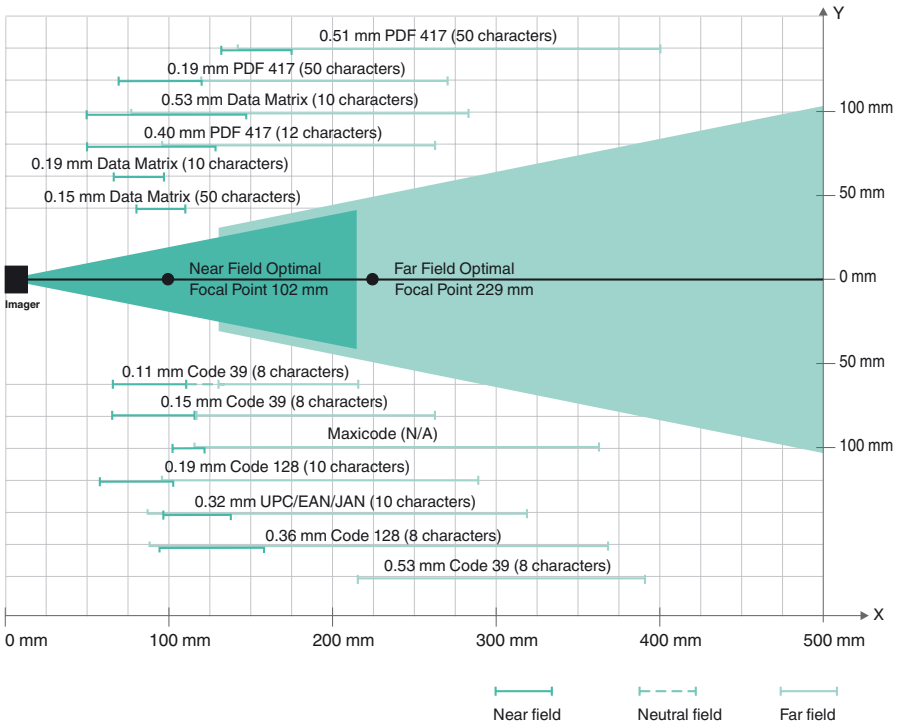
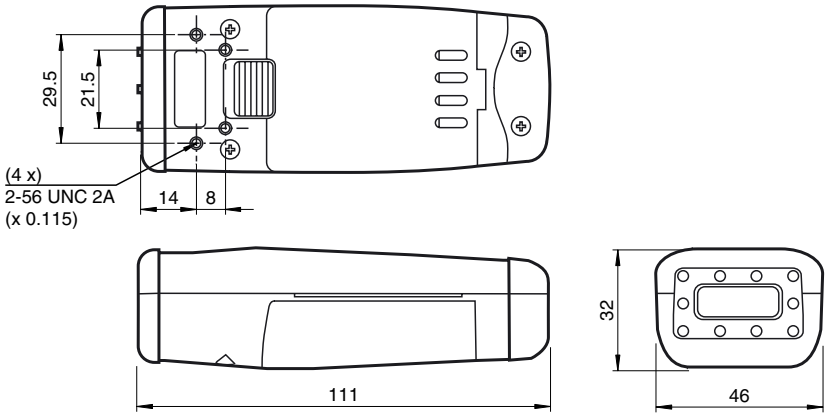
Read range for various symbologies



Dimensions



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