



Model Number

ODT-HH-MAH120-HD

Handheld for all standard 1D and 2D codes, high-density version

Features

- All common 1D or 2D codes can be read
- Omni-directional reading
- Optimal price/power ratio
- Rugged housing

Function

The ODT-HH-MAH120-HD is a robust and inexpensive handheld for all current 1D and 2D barcodes. What is more, it is suitable for capturing high resolution data matrix codes. The megapixel CMOS image converter together with a specially developed optics permits an extremely large reading area both with regard to the reading distance and the image window. The reading area starts as low as 2 cm and ranges up to approx. 25 cm depending on the size of the code or the modules.

Thanks to its automated dynamic optimization, the handheld recognizes a wide variety of different codes and enables you to work efficiently.

As a guide to orientation there is a color-differentiated target projection in the form of a sectional drawing to support the optimal guidance visually during positioning.

The use of the reader under difficult ambient conditions is simplified by the stable design of the ODT-HH-MAH120, which can survive a fall from a height of 2m to a solid floor without affecting its functionality. Successful reading feedback is optical, acoustic or tactile (vibration motor).

Standard USB interfaces, such as the RS232 or PS/2, can be used - depending on which connection cable you choose. With the help of a simple program or configuration code, the handheld can be programmed. Optionally, a client-specific solution can be created using a JavaScript editor. The Linux core of the operation system makes additional options available to you.

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)
Read distance	20 ... 150 mm Depending on code symbology
Reading field	max. 80 mm x 100 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 1280 pixels
Gray scale	256
Image recording	real-time , manually triggered
Processor	
Clock pulse frequency	400 MHz
Digital resolution	8 Bit

Electrical specifications

Supply	via cable
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Interface

Physical	USB 2.0 , RS 232 or PS/2
Protocol	ASCII

Ambient conditions

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

Mechanical specifications

Protection degree	IP20
Material	
Housing	plastic
Mass	approx. 185 g

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-MAH-SUPPLY

Power supply

ODZ-MAH-CAB-R2

Connection cable RS 232 interface

ODZ-MAH120-BRACKET-W

Bracket for ODT-HH-MAH120

ODZ-MAH-CAB-R6

Connecting cable PS/2 interface

ODZ-MAH-CAB-B14

Connecting Cable with USB Interface

ODZ-MAH120-BRACKET

Bracket for ODT-HH-MAH120

ODS-MAH-RULERUNNER

Rule Runner Java Script licence

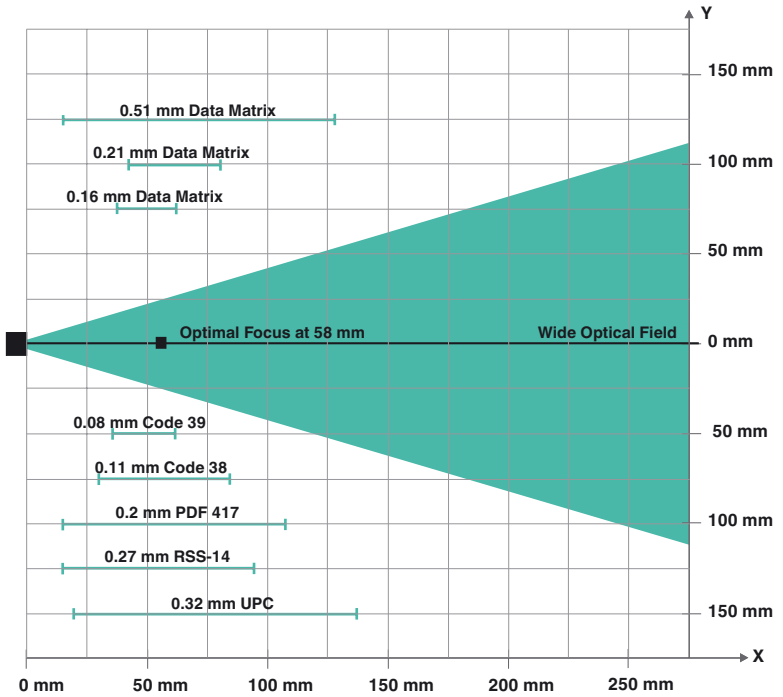
ODZ-MAH200-CODEROUTER

Code Router Software

ODZ-MAH-5V-110V

Power supply

Read range for various symbologies



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