CE

Model Number

ODT-HH-MAH120

Data Matrix handheld for all standard 1D and 2D barcodes

Features

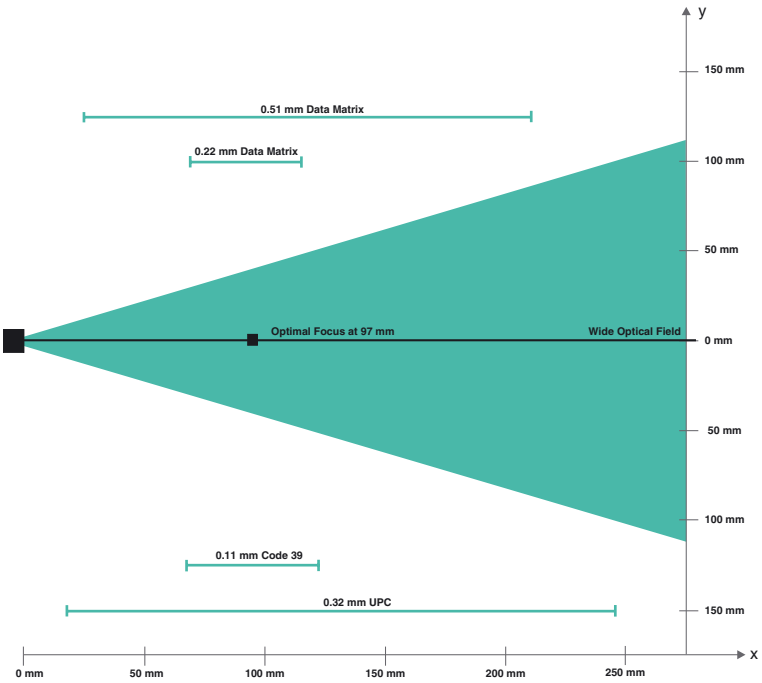
- All common 1D or 2D codes can be read
- Omni-directional reading
- Optimal price/power ratio
- sturdy housing

Technical data

General specifications	
Reading distance	20 ... 300 mm Depending on code symbology
Reading field	max. 160 mm x 200 mm
Modul size	≥ 0.19 mm
Sensor principle	Camera system
Light type	Integrated LED lightning (red)
Target velocity	Standstill
Symbologies	MaxiCode, PDF417, 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
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
Grey scale	256
Image recording	real-time , manually triggered
Processor	
Clock pulse frequency	400 MHz
Digital resolution	8 Bit
Electrical specifications	
Supply	via cable
Interface	
Physical	USB 2.0 , RS 232 or PS/2
Protocol	ASCII
Ambient conditions	
Ambient temperature	0 ... 50 °C (273 ... 323 K)
Storage temperature	-20 ... 60 °C (253 ... 333 K)
Mechanical specifications	
Protection degree	IP50
Material	
Housing	plastic
Mass	approx. 185 g
Compliance with standards and directives	
Directive conformity	
EMC Directive 89/336/EEC	EN 55024
Standard conformity	
Interference rejection	EN 61000-4-2/3/4/6, EN 55022
Emitted interference	EN 55022
Protection degree	EN 60529
Laser class	IEC 60825-1

Release date: 2009-02-11 17:40 Date of issue: 2009-02-11 196051_ENG.xml

Read range for various symbologies



Note: Smallest symbology that can be read is 7.5 mil Data Matrix

Function

The ODT-HH-MAH120 is a robust and affordable handheld for all 1D and 2D barcodes. 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 automatic dynamic optimization the handheld detects the most varied codes and facilitates efficient working for you.
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 handheld during difficult ambient conditions is simplified by the stable design of the ODT-HH-MAH120 which survives a fall from a height of 2 m onto a solid floor without affecting the functionality. Successful reading feedback is optical, acoustic or tactile (vibration motor).
As interface USB, RS232 or PS/2 are available as standard depending on the selected connection cable. The handheld ODT-HH-MAH120 can be programmed via comfortable programs or configuration codes. 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.

Accessories

ODZ-MAH200-SUPPLY
Power supply

ODZ-MAH-CAB-B14
Connecting cable, USB interface

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

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

ODZ-MAH120-BRACKET
Bracket for ODT-HH-MAH120

Release date: 2009-02-11 17:40 Date of issue: 2009-02-11 196051_ENG.xml