

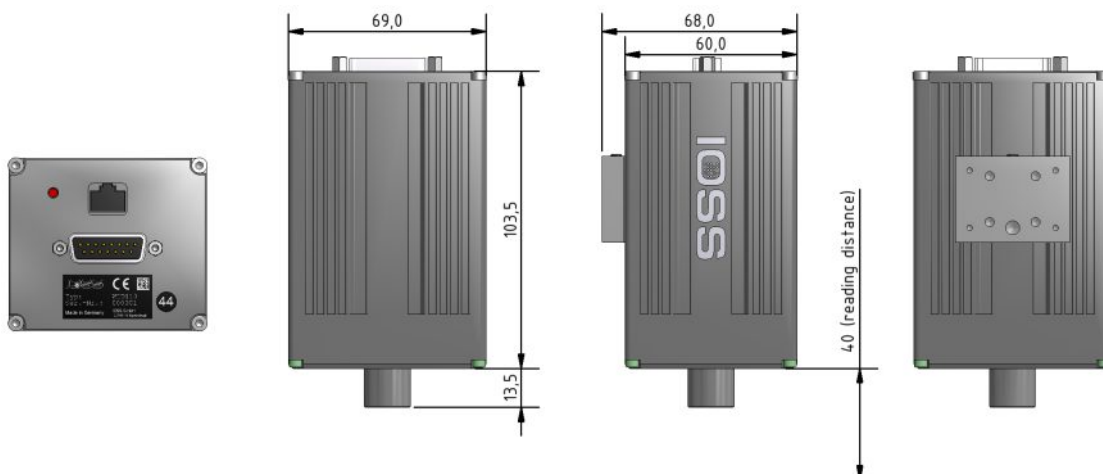
DMG110

2D Code Reader for extremely small codes

Compact - Easy Setup - Reliable!

The DMG110 code reader is designed to identify tiny 2D codes on flat reflective or transparent surfaces. It is possible to read codes with external dimensions smaller than 0.4mm. The integrated LED Lighting allows to achieve high contrast images using incident light without a need for transmitted light, which is usually used in that applications. The resulting benefit are shorter set-up times.

In just a few quick and easy steps, you can configure the DMG110 using the intuitive graphical user interface. Communications and connectivity can be flexibly configured using Ethernet and RS232. The DMG110 is the perfect tool to create a continuous product traceability in your production line. Applications range from electronic components, as LCD displays, OLEDs or microchips to semiconductor wafers.



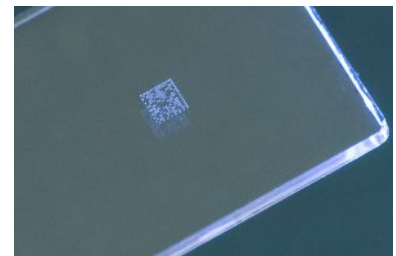
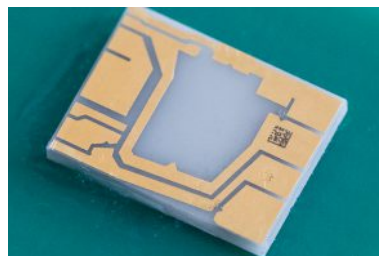
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Technical Data



| | |
|-----------------------------|---|
| Application area | Scanning 2D codes, focus on tiny codes on transparent or reflective surfaces |
| Sensor technology | CCD, 640 x 480 pixels (optional 1024 x 768 pixels), global shutter |
| Reading speed | Up to 20 scans/second |
| Motion speed | Up to 50mm/s |
| Reading distance | 40 mm |
| Image size | 3,6 x 2,7 mm (optional: 4,7 x 3,5 mm) |
| Smallest module size | Up to 20 microns, depending on optical characteristics |
| Code grid size | Data Matrix: Up to 48 x 48 square or 16 x 48 rectangular grid (larger on demand) QR Code: Up to 53 x 53 (version 9, EC level "L") |
| Data capacity | Data Matrix: Up to 348 numerical characters, up to 259 ASCII characters (larger capacities on demand) QR Code: Up to 552 numerical characters, up to 335 alphanumeric characters, up to 230 byte (larger capacities on demand) |
| Code orientation | Freely positionable |
| Marking method | All common methods e.g. laser, inkjet printer, printed |
| Interfaces | <ul style="list-style-type: none"> • Ethernet • RS232 • PLC lines for trigger, good/bad and busy-signal |
| Teach In | Simply configuration via graphical user interface |
| Dimensions | 60 x 69 x 117 mm |
| Weight | Approx. 650 g |
| Power supply | 24V DC |
| Temperature range | 0 –40° C |
| Protection rating | IP54 |
| Housing | Aluminium, black anodized |

Subject to change without prior notice. If you require additional information, please contact us.



Intelligente optische Sensoren & Systeme GmbH
 Fritz-Reichle-Ring 18
 D-78315 Radolfzell
 Tel.: +49 (0) 77 32 98 27 96 - 0
 Fax.: +49 (0) 77 32 98 27 96 -11
 info@ioss.de
 www.ioss.de

IOSS
 THE SENSOLUTION COMPANY

