

## DMR220 Fixed Mount Reader für 2D Codes Compact - Powerful - Reliable!

This new, compact code scanner offers highly reliable scanning even for direct part markings and under difficult conditions in industrial environments.



This latest addition to the IOSS product range is extremely compact, powerful and reliable and is available with a high IP67 protection rating. The flexible optical system and integrated LEDs allow 2D codes to be quickly and reliably scanned and decoded from domed, mirrored or painted surfaces. The DMR220 system is very versatile and can be used in almost any application scenario in industrial environments. Communications and connectivity can be flexibly configured using Ethernet and RS232. Another great feature is the simple, intuitive graphical user interface that allows you to quickly and easily configure the DMR220 system for your application.



## DMR220 Technical Specifications

Application area	Scanning 2D codes, focus on direct part markings Data matrix (ECC 200), QR code, (Barcode 39, 128)
Sensor technology	CMOS 752x480 pixels, global shutter
Scanning speed	Up to 20 scans/second
Motion speed	Up to 5 m/s
Scanning distance	10 – 500 mm, depending on lens
Image size	2 – 150 mm, depending on lens and lighting conditions
Smallest module size	Up to 20 µm 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, dot peening, inkjet printer
Interfaces	- Ethernet - RS232 - PLC lines for trigger, good/bad and busy signal
Teach In	Simple configuration via graphical user interface
Dimensions	85x52x42.5mm (without lens protection case)
Weight	Approx. 400 g (incl. lens and lens protection case)
Power supply	24 V DC
Temperature range	0 - 40° C
Protection class	IP67, when used with lens protection case
Housing	Aluminium, anodized

For more information on our product range, please visit us on the Internet: [www.ioSS.de](http://www.ioSS.de)

Subject to change without prior notice.

If you require additional information, please contact us.

