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DATALOGIC MATRIX 210N IMAGER

OBSOLETE - Please see Matrix 120 and Matrix 220 ranges for alternatives

MATRIX210N213100
OBSOLETE - Please contact vision@oem.co.uk for more information



- WVGA image sensor
- Detect 1D and 2D code types
- Upto 60 fps
- Integrated communication via EtherNet/IP, PROFINET, TCP/IP, UDP, FTP, MODBUS TCP

PRODUCT DESCRIPTION

Datalogic's Matrix 210N™ has integrated Ethernet, Ethernet/IP and PROFINET in an ultra-compact housing, offering extreme reading performance. Both read data and captured images are transferred using the on-board Ethernet ports. The captured images can be either saved internally or easily and quickly uploaded to external PCs for storage or offline analysis.

The WVGA image sensor is able to capture up to 60 frames per second, with a flexible and powerful illuminator. The Matrix 210N™ offeres 'best-in-class' direct part marked barcode reading capabilities, with impressive decoding rates, high speed hardware platform delivering superior reading performance and supporting high system throughput delivering overall production efficiency.

You can choose between straight or right-angle optics and electronic variable focus is also available, providing suberb contact reading capability and simple mechanical integration into tight spaces thanks to its compact dimensions.

The Matrix 210N™ offers X-PRESS™ Interface making installation and maintenance extremely easy and The Green Spot technology providing easy and real-time feedback of the reading status without any additional software or accessories. X-PRESS features a five LED bar graph with a multifunction key for immediate access to functions such as Aiming, Setup, Automatic Learning, and Test Mode.

TECHNICAL DATA

1D Code types	Auto discriminates all standard 1D codes
2D Code Types	Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code
Additional features	Far lens
Digital inputs	2
Digital outputs	2
Dimension (mm)	50 x 25 x 45
Frame rate max	60 fps
Integrated communication interface	RS232/RS422/RS485, Aux RS232
IP class	IP65
Lens material	Plastic
Material of body	Aluminium

Optics	Fixed focus, straight optics
Postal Code Types	Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal
Power consumption	4.5 W
Programming options	Windows™ based SW (DL.CODE™) via serial, USB and Ethernet, User interface X-PRESS™, Embedded Human Machine Interface
Read speed	60
Readable code types	1D / Linear Codes, 2D Codes, Postal Codes
Sensor Type	CMOS
Shutter type	Global
Storage temperature max	70 °C
Storage temperature min	-20 °C
Supply voltage	10-30 V DC
Temperature operational max	50 °C
Temperature operational min	0 °C
Weight	204 g

