DATALOGIC MATRIX 300N IMAGER

OBSOLETE - Please contact vision@oem.co.uk for possible replacements

MATRIX300N435010
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- 1.3 MP and 2 MP resolutions
- Detects 1D and 2D code types
- Upto 60 fps
- Integrated communication via Ethernet 10/100: Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP, RS232/RS422/RS485 On-board PROFINET-IO as standard

PRODUCT DESCRIPTION

The MATRIX300N has been made obsolete and superseded by MATRIX320N 2MP OR MATRIX220 X 1.2MP. Please contact vision@oem.co.uk for direct replacements.

Matrix 300N™ is the next-generation, compact imager in the Matrix family. This high resolution sensor has ultra-fast image acquisition, at 1.3 megapixel and a frame rate of 60 frames per second. The Matrix 300N™ is ultra-compact, purpose built for superior performance on high speed and Direct Part Marking (DPM) applications.

For the eletronic focus control the optical system incorporates a liquid lens module, as a result the reader offers automatic focus adjustment without the addition of moving parts.

The innovative design of integrated illuminators emmbedded over the entire front surface allows for bright, uniform illumonation. Suitable for illumination on normal, etched, reflective or textured surfaces due to the lighting design using both bright and dark field patterns.

The small dimensions of the Matrix 300N™ and rotating connector makes it ideal for integrating into small, tight spaces, as well as the M12, 4 pole connections making for easy integration into existing systems.

Additionally the compact flexible design offers cost effective communication options with Power over Ethernet (POE) connection through standard ethernet connection. other connectivity options include PROFINETIO and ETHERNET/IP, eliminating external communication boxes or converters.

TECHNICAL DATA

1D Code types	Auto discriminates all standard 1D codes
2D Code Types	Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code, Dot Code
Additional features	Narrow angle optics
Digital inputs	2
Digital outputs	3
Dimension (mm)	95 x 54 x 43
Frame rate max	60 fps
Integrated communication interface	Ethernet 10/100, RS-232/RS422/RS485
IP class	IP67
Lens material	Plastic
Lens type	Manual focus
Material of body	Aluminium
Postal Code Types	Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal
Power consumption	5 W
Programming options	Windows-based SW (DL.CODE) via Ethernet
Readable code types	1D / Linear Codes, 2D Codes, Postal Codes
Resolution	1280 x 1024 (1.3MP)
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	238 g
Viewing angle	24° (16mm)