

DATALOGIC MATRIX 300N IMAGER

**OBSOLETE - Please contact vision@oem.co.uk

for possible replacements**

MATRIX300N435040

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

- 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The MATRIX300N has been made obsolete and superseded by MATRIX320N 2MP OR MATRIX220 X 1.2MP.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.

DATALOGIC.

TECHNICAL DATA

ID Code typesAuto diacriminates all standard 1D codes2D Code TypesActec Code, Data Matrix, MaxiCode, Micro CAR Code, CAR Cod		
Additional featuresNarrow angle optics, power over ethemetDigital inputs2Digital outputs3Dimension (mm)95 x54 x43Frame rate max00 fpsIntegrated communication interfaceEthernet 10/100, RS-232/RS422/RS485Integrated communication interfacePasticIntegrated communication interfacePasticDestination (mg)PasticPoster Code TypesPanet Code, Postnet, Royal Mail Code (RM4SCC), Japan PostalPower consumptionSWPorgramming optionsWindows-based SW (DLCODE) via EthernetReadulie code typesUniver Codes, 2D Codes, Postal CodesStorage temperature maxCode SU Codes, Postal CodesStorage temperature maxCode Code Code Codes, Postal CodesStorage temperature maxCode SU Codes, Postal CodesStorage temperature maxCode Code CodesStorage temperature maxCode CodesStorage temp	1D Code types	Auto discriminates all standard 1D codes
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Supply voltage48 V DCTemperature operational max50 °CTemperature operational min0 °CWeight238 g	Storage temperature max	70 °C
Temperature operational max 50 °C Temperature operational min 0 °C Weight 238 g	Storage temperature min	-20 °C
Temperature operational min 0 °C Weight 238 g	Supply voltage	48 V DC
Weight 238 g	Temperature operational max	50 °C
	Temperature operational min	0°0
Viewing angle 24° (16mm)	Weight	238 g
	Viewing angle	24° (16mm)



