

DATALOGIC MATRIX 120 IMAGER

MATRIX120311015

937800015, Ultra-compact, 1.2MP SER+ETH, wide angle, polarizer

- WVGA or 1.2 MP resolution
- Detects 1D and 2D code types
- Up to 57 fps
- Integrated communication via RS-232/RS-422/USB 2.0
high speed, Ethernet 10/100: Ethernet, Profinet I/O



PRODUCT DESCRIPTION

The Matrix 120™ from Datalogic is the smallest ultra-compact industrial imager on the market, that can fit into any integration space, with embedded ethernet connectivity option.

Available in different models, a WVGA sensor is for standard applications, or the 1.2MP sensor for high resolution bar codes. A wide angle version is what makes the Matrix120™ the perfect solution for proximity reading, characterized with top industrial grade parts providing IP 65 protection. ESD safe models are perfect for applications in the electric industry, featuring a glass free reading window which is ideal for the food and beverage industry.

The Matrix 120™ leads the market in customer ease of use because of DL.CODE™ configuration software, X-Press™ button and intuitive HMI.

Ideal for applications where small dimensions, simple integration and performance are key drivers:

- Chemical/Biomedical industry
- Print & Apply applications
- Entry level applications in the Factory Automation area
- Electronics
- Packaging
- Food/Beverage

TECHNICAL DATA

1D Code types

Auto discriminates all standard 1D codes

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| 2D Code Types | Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code, Dot Code |
| Additional features | Wide angle optics, polarizer version |
| Cable length | 1000 mm |
| Connection type | SER+ETH |
| Digital inputs | 2 |
| Digital outputs | 2 |
| Dimension (mm) | 45.4 x 48.5 x 23.5 |
| Distance max | 220 mm |
| Distance min | 25 mm |
| Frame rate max | 36 fps |
| Integrated communication interface | Ethernet 10/100: Ethernet, Profinet I/O, RS-232/RS-422 |
| IP class | IP65 |
| Lens material | Plastic |
| Material of body | Aluminium |
| Multi label reading | Yes |
| Postal Code Types | Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal |
| Power consumption | 2.4 W |
| Programming options | DL.CODE, Serial Host Mode programming, X-PRESS Human Machine Interface |
| Readable code types | 1D / Linear Codes, 2D Codes, Postal Codes |
| Resolution | 1.2 MP - 1280x960 px |
| Sensor Type | CMOS |
| Shutter type | Global |
| Storage temperature max | 70 °C |
| Storage temperature min | -20 °C |
| Supply voltage | 5 - 30 V DC |
| Temperature operational max | 45 °C |
| Temperature operational min | 0 °C |
| Weight | 200 g |