

DATALOGIC MATRIX 120 IMAGER

MATRIX12031001A

937800045, Ultra-compact, 1.2MP SER+ETH, digimarc

- 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

2D Code Types	Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code, Dot Code
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, Digital Watermarking
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