

## 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

### Specifications

#### 1D Code types

Auto discriminates all standard 1D codes

<b>2D Code Types</b>	Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code, Dot Code
<b>Cable length</b>	1000
<b>Connection</b>	SER+ETH
<b>Digital Inputs</b>	2
<b>Digital Outputs</b>	2
<b>Dimension (mm)</b>	45.4 x 48.5 x 23.5
<b>Distance Max</b>	220
<b>Distance Min</b>	25
<b>Frame Rate Max</b>	36
<b>Integrated Communication Interface</b>	Ethernet 10/100: Ethernet, Profinet I/O, RS-232/RS-422
<b>IP Class</b>	IP65
<b>Lens material</b>	Plastic
<b>Material of body</b>	Aluminium
<b>Multi Label Reading</b>	Yes
<b>Postal Code Types</b>	Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal
<b>Power Consumption</b>	2.4
<b>Programming Options</b>	DL.CODE, Serial Host Mode programming, X-PRESS Human Machine Interface
<b>Readable code types</b>	1D / Linear Codes, 2D Codes, Postal Codes, Digital Watermarking
<b>Resolution</b>	1.2 MP - 1280x960 px
<b>Sensor type</b>	CMOS
<b>Shutter type</b>	Global
<b>Supply voltage</b>	5 - 30 V DC
<b>Temperature range bearing, from</b>	-20
<b>Temperature range bearing, to</b>	70
<b>Temperature range from</b>	0
<b>Temperature range to</b>	45
<b>Weight</b>	200