DATALOGIC MATRIX 120 IMAGER

MATRIX120210110
937800007, Ultra-compact, WVGA, SER+ETH, 1D only

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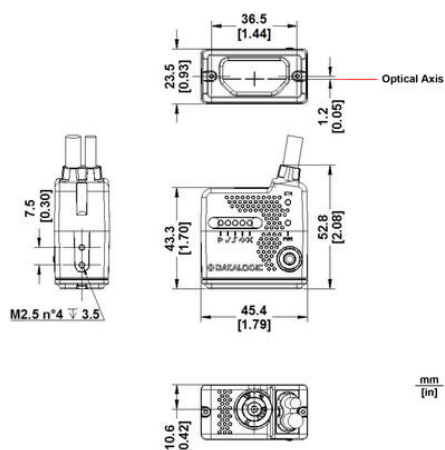
- Chemical/Biomedical industry
- Print & Apply applications
- Entry level applications in the Factory Automation area
- Electronics
- Packaging
- Food/Beverage

Specifications

1D Code types	Auto discriminates all standard 1D codes

Cable length	1000
Connection	SER+ETH
Digital Inputs	2
Digital Outputs	2
Dimension (mm)	45.4 x 48.5 x 23.5
Distance Max	190
Distance Min	25
Frame Rate Max	57
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
Power Consumption	2.4
Programming Options	DL.CODE, Serial Host Mode programming, X-PRESS Human Machine Interface
Readable code types	1D / Linear Codes
Resolution	WVGA - 752x480 px
Sensor type	CMOS
Shutter type	Global
Supply voltage	5 - 30 V DC
Temperature range bearing, from	-20
Temperature range bearing, to	70
Temperature range from	0
Temperature range to	45
Weight	200