# OEM AUTOMATIC

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◆DATALOGIC™

## DATALOGIC MATRIX 120 IMAGER

MATRIX120210050
937800052, Ultra-compact, WVGA, SER+USB,
Standard, short cable

- 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 |
| **Cable length** | 100 mm |
| **Connection type** | SER+USB |
| **Digital inputs** | 2 |
| **Digital outputs** | 2 |
| **Dimension (mm)** | 45.4 x 31.1 x 23.5 |
| **Distance max** | 190 mm |
| **Distance min** | 25 mm |
| **Frame rate max** | 57 fps |
| **Integrated communication interface** | RS-232/RS-422/USB 2.0 high speed (USB-CDC, USB-HID) |
| **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** | WVGA - 752x480 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** | 96 g |