DATALOGIC

MATRIX120210100 937800006, Ultra-compact, WVGA, SER+USB, 1D only

DATALOGIC MATRIX 120 IMAGER

- 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

Digital outputs2Digital outputs45.4 x 31.1 x 23.5Distance max190 mmDistance min25 mmFrame rate max57 fpsIntegrated communication interfaceRs-232/RS-422/USB 2.0 high speed (USB-CDC, USB-HID)IP classIP65Lens materialVasicMulti label readingVasicPower consumption24 WResolutionNGCOEF, Serial Host Mode programming, X-PRESS Human Machine InterfaceReadable code types0/L / Linear CodesResolutionOGOSStance trypeGlobalCorage temperature max-20 °CStorage temperature max-20 °CStora		
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Digital outputs2Digital outputs45.4 x 31.1 x 23.5Distance max190 mmDistance min25 mmFrame rate max57 /psIntegrated communication interfaceRs-232/RS-422/USB 2.0 high speed (USB-CDC, USB-HID)IP classIP66Lens materialValuationMulti label readingVesPower consumption2.4 WResolutionNCCOES, Serial Host Mode programming, X-PRESS Human Machine InterfaceResolutionVisCA-752x480 pxResolutionGlobalStance trapeGlobalStance trapeCoCCStorage temperature max-20 °CStorage temperature min-20 °CStorage temperature min-20 °CStorage temperature min-20 °CStorage temperature min-20 °CCorage temperature min-20 °CStorage temperature min<	Connection type	SER+USB
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Multi label readingYesPower consumption2,4 WProgramming optionsDLCODE, Serial Host Mode programming, X-PRESS Human Machine InterfaceReadable code types1D / Linear CodesResolutionWVGA - 752x480 pxSensor TypeGlobalShutter typeGlobalStorage temperature max70 °CStorage temperature min-20 °CSupply voltage5-30 V DCTemperature operational max61°CComposition0°CComposition0°CStorage temperature operational max61°CComposition0°CCompositio	Lens material	Plastic
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Sensor TypeCMOSShutter typeGlobalStorage temperature max70 °CStorage temperature min-20 °CSupply voltage5 - 30 V DCTemperature operational max45 °CTemperature operational min0 °C	Readable code types	1D / Linear Codes
Shutter typeGlobalStorage temperature max70 °CStorage temperature min-20 °CSupply voltage5 - 30 V DCTemperature operational max45 °CConstructional max0 °C	Resolution	WVGA - 752x480 px
Storage temperature max70 °CStorage temperature min-20 °CSupply voltage5 - 30 V DCTemperature operational max45 °CTemperature operational min0 °C	Sensor Type	CMOS
Storage temperature min -20 °C Supply voltage 5 - 30 V DC Temperature operational max 45 °C Temperature operational min 0 °C	Shutter type	Global
Supply voltage 5 - 30 V DC Temperature operational max 45 °C Temperature operational min 0 °C	Storage temperature max	70 °C
Temperature operational max45 °CTemperature operational min0 °C	Storage temperature min	-20 °C
Temperature operational min 0 °C	Supply voltage	5 - 30 V DC
	Temperature operational max	45 °C
Weight 117 g	Temperature operational min	0 °C
	Weight	117 g

