

DATALOGIC MATRIX 120 IMAGER

MATRIX120210000 937800000, Ultra-compact, WVGA, SER+USB, Standard

- 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.

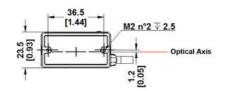
Available in different models, a WVGA sensor is for standard applications, or the 1.2MP sensor for high resolution bar codes. A wide angle version is what makes the Matrix120™ the perfect solution for proximity reading, characterized with top industrial grade parts providing IP 65 protection. ESD safe models are perfect for applications in the electric industry, featuring a glass free reading window which is ideal for the food and beverage industry.

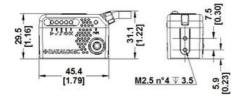
The Matrix 120™ leads the market in customer ease of use because of DL.CODE™ configuration software, X-Press™ button and intuitive HMI.

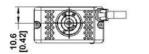
Ideal for applications where small dimensions, simple integration and performance are key drivers:

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

2D Code Types Actec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code, Dot Code Cable length 1000 Connection SER+USB Digital Inputs 2 Digital Outputs 2 Disance Max 190 Distance Max 190 Distance Min 25 Frame Rate Max 57 Integrated Communication Interface Rs-232/RS-422/USB 2.0 high speed (USB-CDC, USB-HID) IP Class P66 Lens material Plastic Material of body Aluminium Multi Label Reading Yes Postal Code Types Plant Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal Power Consumption 2.4 Programming Options LICODE, 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 Supply voltage 5 - 30 V DC Temperature range bearing, from -20 Temperature range from		
Connection SER+USB Digital Inputs 2 Digital Outputs 2 Dimension (mm) 45.4 x 31.1 x 23.5 Distance Max 190 Distance Min 25 Frame Rate Max 57 Integrated Communication Interface RS-232/RS-422/USB 2.0 high speed (USB-CDC, USB-HID) IP Class IP65 Lens material Aluminium Multi Label Reading Yes Postal Code Types Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal Power Consumption 2.4 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 Supply voltage 5 - 30 V DC Temperature range bearing, from -20 Temperature range bearing, to 70 Temperature range from 0 Temperature range from 0 Temperature range to 45	2D Code Types	Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code, Dot Code
Digital Inputs 2 Digital Outputs 2 Dimension (mm) 45.4 x 31.1 x 23.5 Distance Max 190 Distance Min 25 Frame Rate Max 57 Integrated Communication Interface RS-232/RS-422/USB 2.0 high speed (USB-CDC, USB-HID) IP Class IP65 Lens material Aluminium Multi Label Reading Yes Postal Code Types Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal Power Consumption 2.4 Programming Options 1D / Linear Codes, 2D Codes, Postal Codes Readable code types 1D / Linear Codes, 2D Codes, Postal 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	Cable length	1000
Digital Outputs 2 Dimension (mm) 45.4 x 31.1 x 23.5 Distance Max 190 Distance Min 25 Frame Rate Max 67 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 Programming Options 1D LCODE, 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 Global 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 from 0 Temperature range from 0	Connection	SER+USB
Distance Max 45.4 x 31.1 x 23.5 Distance Min 25 Frame Rate Max 57 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 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 Supply voltage 5 - 30 V DC Temperature range bearing, from -20 Temperature range bearing, to 70 Temperature range from 0 Temperature range to 45	Digital Inputs	2
Distance Max Distance Min Distance Min Distance Min Distance Min Distance Max Dista	Digital Outputs	2
Frame Rate Max Frame Rate Max Frame Rate Max Frame Rate Communication Interface Frame Rate Communication Interface From Ease Frame Rate Max From Ease From E	Dimension (mm)	45.4 x 31.1 x 23.5
Frame Rate Max Integrated Communication Interface RS-232/RS-422/USB 2.0 high speed (USB-CDC, USB-HID) IP Class Lens material Material of body Multi Label Reading Postal Code Types Postal Code Types Programming Options Readable code types ID / Linear Codes, 2D Codes, Postal Codes Resolution WWGA - 752x480 px Sensor type Supply voltage Supply voltage Supply voltage Temperature range bearing, to Temperature range from Temperature range from Temperature range from Temperature range from Temperature range to Sessor type Also Temperature range to Sensor type Temperature range from O Temperature range from O Temperature range from O Temperature range to Sensor type Sensor typ	Distance Max	190
Integrated Communication Interface IP Class IP65 Lens material Material of body Multi Label Reading Power Consumption Programming Options Readable code types Resolution WWGA - 752x480 px Sensor type Supply voltage Supply voltage Supply voltage Temperature range bearing, from Temperature range form Temperature range form Temperature range to Temperature ran	Distance Min	25
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 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 Supply voltage 5 - 30 V DC Temperature range bearing, from -20 Temperature range bearing, to 70 Temperature range from 0 Temperature range from 45	Frame Rate Max	57
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 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 Supply voltage 5 - 30 V DC Temperature range bearing, from -20 Temperature range bearing, to 70 Temperature range from 0 Temperature range to 45	Integrated Communication Interface	RS-232/RS-422/USB 2.0 high speed (USB-CDC, USB-HID)
Material of body Multi Label Reading Postal Code Types Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal Power Consumption 2.4 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 Supply voltage 5 - 30 V DC Temperature range bearing, from -20 Temperature range bearing, to 70 Temperature range from 0 Temperature range to 45	IP Class	IP65
Multi Label ReadingYesPostal Code TypesPlanet Code, Postnet, Royal Mail Code (RM4SCC), Japan PostalPower Consumption2.4Programming OptionsDL.CODE, Serial Host Mode programming, X-PRESS Human Machine InterfaceReadable code types1D / Linear Codes, 2D Codes, Postal CodesResolutionWVGA - 752x480 pxSensor typeCMOSShutter typeGlobalSupply voltage5 - 30 V DCTemperature range bearing, from-20Temperature range bearing, to70Temperature range from0Temperature range to45	Lens material	Plastic
Postal Code Types Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal Power Consumption 2.4 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 Supply voltage 5 - 30 V DC Temperature range bearing, from -20 Temperature range from 0 Temperature range from 45	Material of body	Aluminium
Power Consumption2.4Programming OptionsDL.CODE, Serial Host Mode programming, X-PRESS Human Machine InterfaceReadable code types1D / Linear Codes, 2D Codes, Postal CodesResolutionWVGA - 752x480 pxSensor typeCMOSShutter typeGlobalSupply voltage5 - 30 V DCTemperature range bearing, from-20Temperature range bearing, to70Temperature range from0Temperature range to45	Multi Label Reading	Yes
Programming OptionsDL.CODE, Serial Host Mode programming, X-PRESS Human Machine InterfaceReadable code types1D / Linear Codes, 2D Codes, Postal CodesResolutionWVGA - 752x480 pxSensor typeCMOSShutter typeGlobalSupply voltage5 - 30 V DCTemperature range bearing, from-20Temperature range bearing, to70Temperature range from0Temperature range to45	Postal Code Types	Planet Code, Postnet, Royal Mail Code (RM4SCC), Japan Postal
Readable code types1D / Linear Codes, 2D Codes, Postal CodesResolutionWVGA - 752x480 pxSensor typeCMOSShutter typeGlobalSupply voltage5 - 30 V DCTemperature range bearing, from-20Temperature range bearing, to70Temperature range from0Temperature range to45	Power Consumption	2.4
Resolution WVGA - 752x480 px Sensor type CMOS Shutter type Global Supply voltage 5 - 30 V DC Temperature range bearing, from 70 Temperature range from 0 Temperature range to 45	Programming Options	
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	Readable code types	1D / Linear Codes, 2D Codes, Postal Codes
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	Resolution	WVGA - 752x480 px
Supply voltage 5 - 30 V DC Temperature range bearing, from -20 Temperature range bearing, to 70 Temperature range from 0 Temperature range to 45	Sensor type	CMOS
Temperature range bearing, from -20 Temperature range bearing, to 70 Temperature range from 0 Temperature range to 45	Shutter type	Global
Temperature range bearing, to 70 Temperature range from 0 Temperature range to 45	Supply voltage	5 - 30 V DC
Temperature range from 0 Temperature range to 45	Temperature range bearing, from	-20
Temperature range to 45	Temperature range bearing, to	70
	Temperature range from	0
Weight 117	Temperature range to	45
	Weight	117







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