

## DATALOGIC MATRIX 220 IMAGER

MATRIX220345-010  
937900008, 1.2MP, High Power White LED, 12mm  
Lens

- 1.2 MP resolution
- Detects 1D and 2D code types
- Up to 45 fps
- Integrated communication via Ethernet 10/100 Mbit/s:  
Fieldbus PROFINET-IO, Ethernet IP, Modbus TCP, Serial  
RS-232/RS422FD, OPC UA



### PRODUCT DESCRIPTION

The Matrix 220 compact barcode imager offers outstanding performance on standard and DPM codes in a compact and lightweight body. Offering higher performance than a MATRIX120 and still in a compact body the MATRIX220 is ideal for more demanding applications.

Superior performance is provided thanks to a new multi core image processing platform and high resolution 1.2MP sensor, embedded fieldbus and PoE capabilities it is an ideal choice for high speed scanning in compact applications.

The Matrix 220 is excellent for DPM and highly reflective surface scanning with its diffuse multi LED polarised version or it can be used with the standard white LEDs for easier to read applications.

As with all of the Matrix series its fully compatible with the easy to use DL.CODE software suite.

Also the MATRIX220 is uniquely designed to be placed on the end of a robot arm due to its size, performance on DPM codes and PoE capabilities.

### TECHNICAL DATA

<b>1D Code types</b>	Auto discriminates all standard 1D codes
<b>2D Code Types</b>	Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code, Dot Code
<b>Colour LED</b>	White
<b>Connection type</b>	M12 17P + ETH
<b>Digital inputs</b>	2
<b>Digital outputs</b>	3
<b>Dimension (mm)</b>	78 x 47 x 38
<b>Distance max</b>	600 mm
<b>Distance min</b>	40 mm
<b>Frame rate max</b>	45 fps
<b>Integrated communication interface</b>	Ethernet 10/100 Mbit/s: Fieldbus PROFINET-IO, Ethernet IP, Modbus TCP, Serial RS-232/RS422FD, OPC UA

<b>IP class</b>	IP67, 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>	4.2 W
<b>Programming options</b>	DL.CODE, Host Mode programming, X-PRESS
<b>Readable code types</b>	1D / Linear Codes, 2D Codes, Postal Codes
<b>Resolution</b>	1280 x 960 (1.2 megapixel)
<b>Sensor size</b>	1/3"
<b>Sensor Type</b>	CMOS
<b>Shutter type</b>	Global
<b>Storage temperature max</b>	70 °C
<b>Storage temperature min</b>	-20 °C
<b>Supply voltage</b>	10-30 V DC
<b>Temperature operational max</b>	50 °C
<b>Temperature operational min</b>	-10 °C
<b>Weight</b>	173 g
<b>Viewing angle</b>	12mm



