

The Matrix 300N™ is a ultra-compact image based bar code reader purpose-built for superior performance on high speed and Direct Part Marking (DPM) applications.

With a high resolution sensor and ultra-fast image acquisition at 1.3 megapixels/60 frames per second, Matrix 300N™ is the next-generation, compact imager in the Matrix family. The optical system incorporates a liquid lens module for electronic focus control. As result the reader offers automatic focus adjustment without the addition of moving parts.

The integrated illuminator is embedded over the entire front surface of the reader. This innovative design allows for bright and uniform illumination of the bar code. The lighting design uses both bright field and dark field patterns, resulting in optimal illumination on normal, etched, reflective or textured surfaces. Moreover polarized models are available for 90° mounting or extremely reflective surfaces.

With exceptionally small physical dimensions and rotating connector, the Matrix 300N™ can be easily integrated into the tightest spaces.

Additionally, the M12, 4 pole connections sets a new standard for easy integration into existing systems for the OEM industry.

In addition to its compact, flexible design, the Matrix 300N™ offers cost-effective communication options with Power over Ethernet (POE) connectivity through a standard Ethernet connection.

The Matrix 300N™ is the most cost effective solution for bar code imagers, providing onboard PROFINET-IO and ETHERNET/IP and eliminating external communication boxes or converters.

The Matrix 300N™ interfaces directly with a PROFINET or ETHERNET/IP enabled PLCs, reducing the complexity and cost of solutions.



HIGHLIGHTS

- Ultra-compact dimensions
- High performance DPM reading
- Liquid Lens Dynamic Focus Control
- Integrated dual illuminator: dark field/bright field
- Fast and high resolution image sensor
- Power over Ethernet Option and onboard PROFINET-IO
- Extreme Industrial grade: IP67 Industrial grade for harsh environments, 0-50°C operating temperature
- Polarized model available for reading over reflecting surfaces

APPLICATIONS

- Manufacturing, Electronics and **Automotive:**
 - DPM code validation after marking
 - Work-in-progress control
 - Parts and assemblies traceability
- Food & Beverage
 - Work-in-progress traceability
- Document Processing
 - High speed process control

Medical

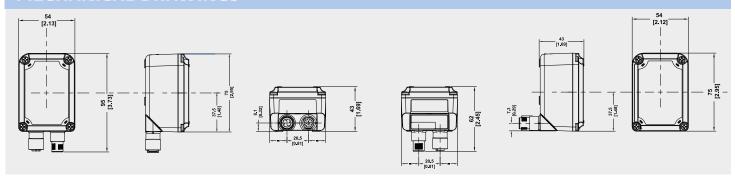
- Medical device traceability
- Clinical Lab Automation
 - Biomedical analysis machines
 - Specimen collection machines
- Logistics Automation
 - Carton and tote traceability
 - Automated warehousing



TECHNICAL SPECIFICATIONS

Dimensions 95 x 54 x 24 mm [3.73 x 2.13 x 1.68 m] Connector (@ 0° 75 x 54 x 62 mm (2.95 x 2.12 x 2.45 m) Connector (@ 0° 75 x 54 x 62 mm (2.95 x 2.45 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 m) Connector (@ 0° 75 x 54 x 2.45 x 54 x 2.45 x 2.25 x	TECHNICAL SPECIFICATION	M2	
Weight 238 g (8.3 oz.) with lens and internal illuminator Case Material Aluminum, Plastic protective window cover Operating Temperature Electronic Liquid Lens models: 0° to +50 °° (.32 to 122° F) Electronic Liquid Lens models: 0° to +50 °° (.32 to 122° F) Electronic Liquid Lens models: 0° to +45 °° (.32 to 132° F) Storage Temperature −20 to 70 °° C (-4 to 158 °F) Protection Class PFO Esd Safe PSO FOR PORT PROTECTION PROT		STANDARD MODELS	
Aluminum, Plastic protective window cover Operating Temperature Banual Focusing models. 0° to 4-50 °C (32 to 122°F) Electronic Liquid Lens models. 0° to 4-50 °C (32 to 113°F) Storage Temperature -20 to 70 °C (-4 to 158 °F) Protection Class Esd Safe YES for the models with ESD Safe front cover Yag Laser Protection YeS for the models with YAG filter Polarizing Filter Power Supply Standard: 10 VDC to 30 VDC / Power over Ethernet: 48 Vdc (IEEE.802.3af) Power Consumption Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate Optical Focus Control Manual for fixed lens model (LNS-6mm, LNS-9mm, LNS-16mm) Optical models/viewing angles: Readable Symbologies Readable Symbologies Readable Symbologies Readable Symbologies Com. Interfaces Datalogic ID-NET™ Connectivity Modes Datalogic ID-NET™ Connectivity Modes Digital Outputs Programming Method Windows™ based SW (DL CODE™) via Ethernet Lyser Interface Beeper, Push Button, 7 LEDS (Status, Comm., LnSpec, Code Red, Ready, Power on, Network)	Dimensions	95 x 54 x 43 mm (3.73 x 2.13 x 1.69 in) Connector @ 0° 75 x 54 x 62 mm (2.95 x 2.12 x 2.45 in) Connector @ 90°	
Operating Temperature Manual Focusing models: 0° to 4+50°C (32 to 122°F)	Weight	238 g (8.3 oz.) with lens and internal illuminator	
Storage Temperature Protection Class Protection Class Fig Safe Stafe Stafe Stafe YES for the models with ESD Safe front cover Yag Laser Protection Polarizing Filter Polarizing Filter Power Supply Standard: 10 VDC to 30 VDC / Power over Ethernet: 48 Vdc (IEEE.802.3af) Power Consumption Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate Optical Focus Control Manual for fixed lens model (LNS-6mm, LNS-9mm, LNS-16mm) Optical models/viewing angles: Readable Symbologies Readable Symbologies Readable Symbologies Reader Networking Power Connectivity Modes Digital Inputs Symparmam Symparmamble Digital Inputs Programming Method Windows** based SW (DL CODE**) via Ethernet Symparmam Macron, Network) Symparmam Macron, Network) Symparmam Macron, Network) Symparmamble Symparmam Symparmamble Symparmam Symparmamble Sympar	Case Material	Aluminum, Plastic protective window cover	
Protection Class Esd Safe YES for the models with ESD Safe front cover Yag Laser Protection YES for the models with YAG filter Polarizing Filter Power Supply Standard: 10 VDC to 30 VDC / Power over Ethernet: 48 Vdc (IEEE.802.3af) Power Consumption Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate Optical Focus Control Manual for fixed lens model (LNS-6mm, LNS-12mm, LNS-12mm, LNS-16mm) Optical models/viewing angles: 66° (6mm) . 40° (9mm) . 32° (12mm) . 24° (16mm) Aiming System Dual laser pointer (CDRH/IEC Class II) Readable Symbologies Readable Symbologies Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10 / Det Ethernet Ip / TEV/PL JUDP, FIDP, MDDBUS TCP Serial RS232/RS482 Jup to 115.2 kbit/s + Aux RS232 On-board PROFINET-IO Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 3 SW programmable PNP/NPN (short circuit protection) . 0UT3 programmable as input Output Current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL CODE™) via Ethernet User Interface Beeper, Push Button, 7 LEDs (Status, Comm. , Trigger, Good Read, Ready, Power on, Network)	Operating Temperature	Manual Focusing models: 0° to +50 °C (32 to 122°F) Electronic Liquid Lens models: 0° to +45 °C (32 to 113°F)	
Esd Safe YES for the models with ESD Safe front cover Yag Laser Protection YES for the models with YAG filter Polarizing Filter YES, for the models with Polarizing filter Power Supply Standard: 10 VDC to 30 VDC / Power over Ethernet: 48 Vdc (IEEE.802.3af) Power Consumption 8 W max; 5W typical Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate 60 frames/s Optical Focus Control Electronic for liquid lens model (LQL-9MM) Manual for fixed lens model (LNS-6mm, LNS-9mm, LNS-12mm, LNS-16mm) Optical models/viewing angles: 66° (6mm). 40° (9mm). 32° (12mm). 24° (16mm) Aiming System Dual laser pointer (CDRH/IEC Class II) Dual laser pointer (CDRH/IEC Class II) Readable Symbologies 2 D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Com. Interfaces Ethernet 10/100. Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 3 SW programmable PNP/NPN (short circuit protection), OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA	Storage Temperature	-20 to 70 °C (-4 to 158 °F)	
Yag Laser Protection Polarizing Filter Polarizing Filter Power Supply Standard: 10 VDC to 30 VDC / Power over Ethernet: 48 Vdc (IEEE.802.3af) Power Consumption Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate 60 frames/s Optical Focus Control Manual for fixed lens model (LNS-6mm, LNS-9mm, LNS-12mm, LNS-16mm) Optical models/viewing angles: 66° (6mm). 40° (9mm). 32° (12mm). 24° (16mm) Aiming System Dual laser pointer (CDRH/IEC Class II) Alming System Dual laser pointer (CDRH/IEC Class II) 10 Codes: all standard 1 dimensional symbologies Readable Symbologies Pedadole Symbologies Reader Networking Ethernet 10/100. Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS425 up to 1152, 8 bit/s + Aux RS232 On-board PROFINET-IO Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method X-PRESS™, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Protection Class	IP67	
Polarizing Filter Power Supply Standard: 10 VDC to 30 VDC / Power over Ethernet: 48 Vdc (IEEE.802.3af) Power Consumption 8 W max; 5W typical Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate 60 frames/s Optical Focus Control Manual for fixed lens model (LNS-6mm, LNS-9mm, LNS-16mm) Optical models/viewing angles: 66° (6mm). 40° (9mm). 32° (12mm). 24° (16mm) Aiming System Dual laser pointer (LDRH/IEC Class III) Aiming System Dual laser pointer (LDRH/IEC Class III) 1D Codes: all standard 1 dimensional symbologies 2D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnett and many more Ethernet 10/100-Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet User Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Esd Safe	YES for the models with ESD Safe front cover	
Power Supply Power Consumption Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate 60 frames/s Electronic for liquid lens model (LQL-9MM) Optical Focus Control Manual for fixed lens model (LNS-6mm, LNS-9mm, LNS-12mm, LNS-16mm) Optical models/viewing angles: 66° (6mm). 40° (9mm). 32° (12mm). 24° (16mm) Aiming System Dual laser pointer (CDRH)IEC Class II) Readable Symbologies Readable Symbologies Postal Codes: Postal Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/100. Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 kbit/s+ Aux RS232 On-board PROFINET-IO Reader Networking Digital Inputs Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs Programming Method Windows™ based SW (DL.CODE™) via Ethernet Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Yag Laser Protection	YES for the models with YAG filter	
Power Consumption 8 W max; 5W typical Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate 60 frames/s Optical Focus Control Electronic for liquid lens model (LQL-9MM) Manual for fixed lens model (LNS-6mm, LNS-9mm, LNS-12mm, LNS-16mm) Optical models/viewing angles: 66° (6mm) . 40° (9mm) . 32° (12mm) . 24° (16mm) Aiming System Dual laser pointer (CDRH/IEC Class II) Readable Symbologies 1D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/100: Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NET** Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows** based SW (DL.CODE**) via Ethernet V-PRESS**, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)<	Polarizing Filter	YES, for the models with Polarizing filter	
Sensor Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter Frame Rate 60 frames/s Optical Focus Control Electronic for liquid lens model (LQL-9MM) Optical models/viewing angles: 66° (6mm). 40° (9mm). 32° (12mm). 24° (16mm) Aiming System Dual laser pointer (CDRH/IEC Class II) Readable Symbologies 1D Codes: All Standard 1 dimensional symbologies Readable Symbologies 2D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/100: Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet User Interface Vindews™ based SW (DL.CODE™) via Ethernet Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Power Supply	Standard: 10 VDC to 30 VDC / Power over Ethernet: 48 Vdc (IEEE.802.3af)	
Frame Rate Optical Focus Control Optical models/viewing angles: 66° (6mm) . 40° (9mm) . 32° (12mm) . 24° (16mm) Aiming System Dual laser pointer (CDRH/IEC Class II) Postal Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/100: Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s+Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet User Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Power Consumption	8 W max; 5W typical	
Optical Focus Control Electronic for liquid lens model (LQL-9MM) Optical models/viewing angles: 66° (6mm) . 40° (9mm) . 32° (12mm) . 24° (16mm) Aiming System Dual laser pointer (CDRH/IEC Class II) Readable Symbologies 1D Codes: all standard 1 dimensional symbologies 2D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/ 100: Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA	Sensor	Image Resolution 1280 x 1024 (1.3 megapixels) - CMOS global shutter	
Optical models/viewing angles: 66° (6mm) . 40° (9mm) . 32° (12mm) . 24° (16mm) Aiming System Dual laser pointer (CDRH/IEC Class II) 1D Codes: all standard 1 dimensional symbologies Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/100: Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs Digital Inputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet User Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Frame Rate		
Aiming System Dual laser pointer (CDRH/IEC Class II) 1D Codes: all standard 1 dimensional symbologies 2D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/100: Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NET™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet X-PRESS™, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Optical Focus Control	Electronic for liquid lens model (LQL-9MM) Manual for fixed lens model (LNS-6mm, LNS-9mm, LNS-12mm, LNS-16mm)	
TD Codes: all standard 1 dimensional symbologies 2D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/100: Ethernet IP, TCP/IP, UDP, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NE™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet X-PRESS™, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Optical models/viewing angles:	66° (6mm) . 40° (9mm) . 32°(12mm) . 24° (16mm)	
Readable Symbologies 2D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec Postal Codes: Royal Mail, Japan Post, Planet, Postnet and many more Ethernet 10/100: Ethernet IP, TCP/IP, UDD, FTP, MODBUS TCP Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NE™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet X-PRESS™, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Aiming System	Dual laser pointer (CDRH/IEC Class II)	
Com. Interfaces Serial RS232/RS422/RS485 up to 115.2 kbit/s + Aux RS232 On-board PROFINET-IO Reader Networking Datalogic ID-NE™ Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet User Interface X-PRESS™, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Readable Symbologies	2D Codes: Data Matrix, QR Code, Micro QR, Maxicode, Aztec	
Connectivity Modes Pass Through, Master/Slave, Ethernet point to point Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA Programming Method Windows™ based SW (DL.CODE™) via Ethernet User Interface X-PRESS™, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Com. Interfaces	Serial RS232/RS422/RS485 up to 115.2 Kbit/s + Aux RS232	
Digital Inputs 2 opto-isolated. Polarity insensitive and SW Programmable. Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA	Reader Networking	Datalogic ID-NET™	
Digital Outputs 3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA	Connectivity Modes	Pass Through, Master/Slave, Ethernet point to point	
Programming Method Windows™ based SW (DL.CODE™) via Ethernet User Interface X-PRESS™, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Digital Inputs	2 opto-isolated. Polarity insensitive and SW Programmable.	
Programming Method Windows™ based SW (DL.CODE™) via Ethernet User Interface X-PRESS™, Embedded Human Machine Interface Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Digital Outputs	3 SW programmable PNP/NPN (short circuit protection). OUT3 programmable as input Output current 100 mA max, Saturation voltage < 3 V @ 100 mA	
User Interrace Beeper, Push Button, 7 LEDs (Status, Comm., Trigger, Good Read, Ready, Power on, Network)	Programming Method	Windows™ based SW (DL.CODE™) via Ethernet	
	User Interface		
	Code Quality Metrics	, , , , , , , , , , , , , , , , , , , ,	

MECHANICAL DRAWINGS



MODELS

ORDER No.	DESCRIPTION	CONFIGURATION
937600084	MATRIX 300N 423-010 LNS-9 RED MED STD	Manual lens 9 mm, wide angle RED illuminator (lighting)
937600093	MATRIX 300N 483-010 LNS-9 MLT-DPM STD	Manual lens 9 mm, multiple illuminator for DPM
937600088	MATRIX 300N 434-010 LNS-12 RED NARR STD	Manual lens 12 mm, narrow angle RED illuminator
937600080	MATRIX 300N 435-010 LNS-16 RED NARR STD	Manual lens 16 mm, narrow angle RED illuminator
937600056	MATRIX 300N 472-011 LQL-9 LT-DPM ESD	Liquid lens 9 mm, bright field illuminator for DPM
937600101	MATRIX 300N 412-014 LQL-9 RED WD ESD+PLZ	Liquid lens 9mm wide angle RED illuminator
937600106	MATRIX 300N 453-015 LNS-9 WTH WD STD+PLZ	Manual lens 9mm wide angle WHITE illuminator

Other options available: white illumination, 6mm manually adjustable lens, ESD safe, laser marking protection (YAG filter), Polarizing filter.

