

ENTIFICATION

Matrix 210™ is the new Datalogic 2D reader offering extreme reading performance and integrated Ethernet in a ultra-compact housing.

Thanks to the WVGA image sensor, capturing up to 60 frames per second and to the powerful internal illuminator, Matrix 210™ offers extreme dynamic reading capability.

The unrivalled decoding libraries running on the new high speed hardware platform deliver superior reading robustness and impressive decoding rates, supporting high system throughput and so improving the overall production efficency.

The on-board Ethernet makes effective the transfer of both reading data and captured images, that can be easily and quickly uploaded on external PCs or servers, simply for storage or also for offline process analysis.

Compactness and straight - 90° optical options allow a perfect contact reading capability and a simple mechanical integration into narrow spaces.
Installation and maintenance are extremely easy thanks to the X-PRESS™ Interface with five LEDs bar graph and with the multi-function key for immediate access to relevant functions such as Aiming, Setup, Automatic Learning, Test Mode.
The Green Spot - projected onto the scanned object - provides an easy and real-time feedback of the reading status without any additional supervisory softwares.



## **HIGHLIGHTS**

- Integrated Ethernet interface
- Ultra compact dimensions
- Outstanding decoding capability on 1D, 2D, Stacked and Postal symbologies
- Direct and 90° window models for smart mounting
- High performance on dynamic reading applications
- ${\color{red} \bullet}$  X-PRESS ${^{\rm \!\!\!\! M}}$  for easy and intuitive setup
- Optical aiming system
- USB connectivity
- ${\color{red}\bullet}$  ID-NET  ${\color{gray}^{\text{\tiny{M}}}}$  embedded high speed connectivity
- Region Of Interest Windowing for higher frame rate
- 10 to 30 VDC Power Supply

## **APPLICATIONS**

#### Electronic

- PCB Board Tracking
- Electronic Products Tracking

#### Pharmaceutical & Chemical

- Pharmaceutical manufacturing and packaging
- Supply chain traceability

#### OEM

- Chemical & Biomedical Analysis Machines
- Access control systems

### Self Service Systems (AT M , Kiosks)

- Print & Apply systems
- Document Handling





Matrix 210 21x-1xx	TECHNICAL DATA					
Weight ( WEIGHT 60g. (2.1 oz.) without cable ( Case Material ( Aluminum alloy ( Operating Temperature ( 0 to 50° (€ 32 to 122° F) ( 50° rage Temperature ( 10° to 50° (€ 32 to 122° F) ( 50° rage Temperature ( 10° to 50° (€ 32 to 122° F) ( 50° rage Temperature ( 10° to 50° (€ 32 to 122° F) ( 50° rage Temperature ( 10° to 50° (€ 32 to 122° F) ( 50° rage Temperature ( 10° to 50° rage Temperature		Matrix 210 21x-1xx	Matrix 210 21x-0xx			
Operating Temperature Storage Temperature 1 0 to 50 °C (32 to 122 °F) Storage Temperature 1 -20 to 70 °C (-4 to 158 °F) Humidity Protection Class Protection Class Optical Features WVGA (752 x 480) CMOS Sensor with Global Shutter Frame Rate Reading Window Reading Angles  1D e Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, DPF417, Micro PDF417, Pharmacode Readable Symbologies GS1 DATABAR (RSS) family, and many more 2D. Data Matrix X, QR Code, Maxicode, Aztec, Microglyph Postal: Royal Mail, Japan Post, Planet, Postnet and many more Communication Interfaces GS232 + RS232 / RS232 / RS232 / RS422 / RS465 up to 115.2 Kbit/s Digital Inputs Pass Through, Master/Slave, Multiplexer, USB Point To Point Digital Outputs Two SW programmable, optocoupled and polarity insensitive Two SW programmable optocoupled  X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  V=PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programmable Push Button, LEDS (Status, Com, Trigger,Good, Ready, Power On, Good read Spot)  SO/IEC 154/16 (Print quality test specifications for 2D codes) ISO/IEC 154/16 (Print quality test specifications for Inear codes) AS9132A (Data Matrix, 1,50 / IEC 18004 (QR Code) ISO/IEC 154/16 (Print quality test specifications for Inear codes) AS9132A (Data Matrix, 1,50 / IEC 18004 (QR Code) ISO/IEC 154/16 (Print quality test specifications for Inear codes) AS9132A (Data Matrix, 1,50 / IEC 18004 (QR Code) ISO/IEC 154/16 (Print quality test specifications for Parts Marking) Alm DPM (Global Direct Part Mark Quality Guideline)	Dimensions	50 x 25 x 45 mm (1.97 x 0.98 x 1.77 in)	54 x 32 x 45 mm (2.12 x 1.26 x 1.77 in)			
Operating Temperature Storage Temperature Storage Temperature Humidity Protection Class Protection Class Optical Features Oto 70 °C (-4 to 158 °F) Optical Features Protection Class Optical Features WVGA (752 x 460) CMOS Sensor with Global Shutter Frame Rate Reading Window Reading Mindow Reading Angles  1D e Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode Readable Symbologies GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal Royal Mail, Japan Post, Planet, Postnet and many more Communication Interfaces GS1 DATABAR (RSS) Family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal Royal Mail, Japan Post, Planet, Postnet and many more Communication Interfaces PS232 + RS232 / RS242 / RS428 up to 115.2 Kbit/s Digital Inputs Two SW programmable, optocoupled and polarity insensitive Digital Outputs Two SW programmable optocoupled Device Programming X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  X-PRESS™ Human Machine Interface, Reper, Programmable Push Button, LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot) ISO/IEC 154.16 (Print quality test specifications for 2D codes) ISO/IEC 154.16 (Print quality test specifications for 1 Parts Marking) Alm DPM (Global Direct Part Mark Quality Guideline)  Matrix 210 21x+30x	Weight	WEIGHT 60g. (2.1	oz.) without cable			
Storage Temperature  -20 to 70 °C (-4 to 158 °F)  Humidity  Protection Class  Optical Features  WGA (752 x 480) CMOS Sensor with Global Shutter  Frame Rate  Reading Window  Birect or 90°  Reading Angles  1D e Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode  Readable Symbologies  GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph  Postal: Royal Mil, Japan Post, Planet, Postnet and many more  Communication Interfaces  GS1 DATABAR (RSS) family, and Many More 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph  Postal: Royal Mil, Japan Post, Planet, Postnet and many more  RS232 + RS232/RS422/RS485 up to 115.2 kbit/s  Connectivity Modes  GS1 DATABAR (RSS) family, and Many more 2D: Data Matrix, JR Code, Maxicode, Aztec, Microglyph  Postal: Royal Mil, Japan Post, Planet, Postnet and many more  RS232 + RS232/RS422/RS485 up to 115.2 kbit/s  Connectivity Modes  GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, JR Code, Maxicode, Aztec, Microglyph  Postal: Royal Mil, Japan Post, Planet, Postnet and many more  RS232 + RS232/RS422/RS485 up to 115.2 kbit/s  Connectivity Modes  Pass Through, Master/Slave, Multiplexer, USB Point To Point  Digital Inputs  Two SW programmable, optocoupled and polarity insensitive  Digital Outputs  Two SW programmable optocoupled  Device Programming  X-PRESS™ Human Machine Interface, Windows* Dased SW (VisiSet™) via serial or USB link  Serial Host Mode Programming sequences  X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button,  LEDS (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)  ISO/IEC 154/15 (Print quality test specifications for 2D codes)  ISO/IEC 154/15 (Print quality test specifications for inear codes)  AS9132A (DATX-vox  Matrix 210 21x-vox  Matrix 210 21x-vox  Matrix 10 21x-vox  Matrix 10 21x-vox	Case Material	Alumin	um alloy			
Humidity Protection Class Optical Features Optical Features Frame Rate Frame Rate Reading Window Reading Angles  The Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode Readable Symbologies  The Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode Readable Symbologies  GS1 DATABAR (RSS) family, and many more 2D. Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal: Royal Mail, Japan Post, Planet, Postnet and many more  Communication Interfaces  GS232 + RS232 / RS422 / RS485 up to 115.2 kbit/s  Connectivity Modes Pass Through, Master/Slave, Multiplexer, USB Point To Point Digital Inputs Two SW programmable, optocoupled and polarity insensitive Tigital Outputs Two SW programmable potocoupled  Device Programming  X-PRESS™ Human Machine Interface, Windows™ based SW (Nis/Sett™) via serial or USB link Serial Host Mode Programming sequences  X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)  ISO/IEC 15415 (Print quality test specifications for 2D codes) ISO/IEC 15415 (Print quality test specifications for 12D codes) ISO/IEC 15415 (Print quality test specifications for 12D codes) AS9132A (Data Matrix), USO/IEC 18004 (QR Code) ISO/IEC 15415 (Print quality test specifications for 12D codes) AS9132A (Data Matrix), USO/IEC 18004 (QR Code) SO/IEC 15415 (Print quality test specifications for 12D codes) AS9132A (Data Matrix), USO/IEC 18004 (QR Code) SO/IEC 15415 (Print quality requirements for Parts Marking) AMD PM (Global Direct Part Mark Quality Guideline)	Operating Temperature	0 to 50 °C (3	32 to 122 °F)			
Protection Class Optical Features Optical Features WWGA (752 x 480) CMOS Sensor with Global Shutter Frame Rate Frame Rate Reading Window Direct or 90° Reading Angles Max. Pitch: ± 35°, Tilt: 0-360°  The Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode Readable Symbologies GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal: Royal Mail, Japan Post, Planet, Postnet and many more Communication Interfaces RS232 + RS232 / RS232 / RS232 / RS485 up to 115.2 k bit /s ID-NET** port up to 1 Mbps, USB 2.0 up to 921.6 k bit /s Connectivity Modes Pass Through, Master/Slave, Multiplexer, USB Point To Point Digital Inputs Two SW programmable, optocoupled and polarity insensitive Digital Outputs Two SW programmable optocoupled Device Programming X-PRESS** Human Machine Interface, Windows** based SW (VisiSet**) via serial or USB link Serial Host Mode Programming sequences  LEDS (Status, Com, Trigger, Good, Ready, Power On, Good read Spot) SO/IEC 15415 (Print quality test specifications for 12D codes) ISO/IEC 15415 (Print quality test specifications for 1De codes) AS9132A (Data Matrix), 150/IEC 15416 (Print quality test specifications for 1De arts Marking) AMID PM (Global Direct Part Mark Quality Guideline)  Matrix 210 21××2× POWER SUPPLY 10 to 30 VDC 5 VDC	Storage Temperature	-20 to 70 °C	(-4 to 158 °F)			
Optical Features Frame Rate Frame Rate Fooframe/s Direct or 90° Reading Window Reading Angles  Direct or 90° Reading Angles  1D e Stacked: IL 2/5, Code 128, Code 39, EANY UPC, PDF417, Micro PDF417, Pharmacode Readable Symbologies  GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal: Royal Mail, Japan Post, Planet, Postnet and many more  Communication Interfaces  Connectivity Modes Pass Through, Master/Slave, Multiplexer, USB Point To Point Digital Inputs Two SW programmable, optocoupled and polarity insensitive Digital Outputs Two SW programmable optocoupled  Device Programming  X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDS (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)  SO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code) ISO/IEC 154/15 (Print quality test specifications for Ize codes) AS9132A (Data Matrix) Quality Requirements for Parts Marking) AlM DPM (Global Direct Part Mark Quality Guideline)  Matrix 210 21x-x2x  POWER SUPPLY  10 to 30 VDC  SVDC	Humidity	90% non c	ondensing			
Frame Rate Reading Window Reading Angles Max. Pitch: ± 35°, Tilt: 0-360°  1D e Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode Readable Symbologies GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal: Royal Mail, Japan Post, Planet, Postnet and many more Communication Interfaces ID-NET™ port up to 1 Mbps, USB 2.0 up to 921.6 Kbit/s Connectivity Modes Pass Through, Master/Slave, Multiplexer, USB Point To Point Digital Inputs Two SW programmable, optoccupled and polarity insensitive Digital Outputs Two SW programmable optoccupled Device Programming X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot) ISO/IEC 15022 (Data Matrix), ISO/IEC 18004 (QR Code) ISO/IEC 15416 (Print quality test specifications for Inear codes) AS9132A (Data Matrix) Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guiler) Matrix 210 21x-x0x POWER SUPPLY 10 to 30 VDC 5 VDC	Protection Class	IP	65			
Reading Window Reading Angles  Max. Pitch: ± 35°; Tilt: 0-360°  Max. Pitch: ± 35°; Tilt: 0-360°  1D e Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode  GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal: Royal Mail, Japan Post, Planet, Postnet and many more  Communication Interfaces  Connectivity Modes  RS232 + RS232/RS422/RS485 up to 115.2 Kbit/s  Connectivity Modes  Pass Through, Master/Slave, Multiplexer, USB Point To Point  Digital Inputs  Two SW programmable, optocoupled and polarity insensitive  Digital Outputs  Two SW programmable optocoupled  X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger,Good, Ready, Power On, Good read Spot)  ISO/IEC 154/15 (Print quality test specifications for 12D codes) ISO/IEC 154/15 (Print quality test specifications for 12D codes) AS9132A (Data Matrix Quality Requirements for Parts Marking) AMD DPM (Global Direct Part Mark Quality Guideline)  Matrix 210 21x-x0x	Optical Features	WVGA (752 x 480) CMOS S	Sensor with Global Shutter			
Reading Angles    Max. Pitch: ± 35°; Tilt: 0-360°     1D e Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode     GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph     Postal: Royal Mail, Japan Post, Planet, Postnet and many more     Communication Interfaces   RS232 + RS232 + RS232 + RS422 / RS485 up to 115.2 Kbit/s     Connectivity Modes   Pass Through, Master/Slave, Multiplexer, USB Point To Point     Digital Inputs   Two SW programmable, optocoupled and polarity insensitive     Digital Outputs   Two SW programmable optocoupled     Device Programming   X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link     Serial Host Mode Programming sequences     User Interface   X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button,     LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)     ISO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code)     ISO/IEC 15415 (Print quality test specifications for 2D codes)     SO/IEC 15416 (Print quality test specifications for Innear codes)     AS9132A (Data Matrix) Quality Requirements for Parts Marking)     AlM DPM (Global Direct Part Mark Quality Guideline)     Matrix 210 21x-x0x   POWER SUPPLY     10 to 30 VDC   5 VDC	Frame Rate	60 fra	ame/s			
1D e Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal: Royal Mail, Japan Post, Planet, Postnet and many more  Communication Interfaces  RS232 / RS4422 / RS485 up to 115.2 Kbit/s  Connectivity Modes  Pass Through, Master/Slave, Multiplexer, USB Point To Point Digital Inputs  Two SW programmable, optocoupled and polarity insensitive Digital Outputs  Two SW programmable optocoupled  Device Programming  X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)  SO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code) ISO/IEC 15416 (Print quality test specifications for 2D codes) ISO/IEC 15416 (Print quality test specifications for Parts Marking) AIM DPM (Global Direct Part Mark Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality SVDC  POWER SUPPLY  10 to 30 VDC  5 VDC	Reading Window	Direct	or 90°			
Readable Symbologies  GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microglyph Postal: Royal Mail, Japan Post, Planet, Postnet and many more  Communication Interfaces  RS232+RS232/RS422/RS485 up to 115.2 Kbit/s ID-NET™ port up to 1 Mbps, USB 2.0 up to 921.6 Kbit/s  Connectivity Modes  Pass Through, Master/Slave, Multiplexer, USB Point To Point  Digital Inputs  Two SW programmable, optocoupled and polarity insensitive  Digital Outputs  Two SW programmable optocoupled  X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  V-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)  SO/IEC 15415 (Print quality test specifications for 2D codes) ISO/IEC 15416 (Print quality test specifications for linear codes) AS9132A (Data Matrix, 100 Inear codes) AS9132A (Data Matrix, Quality Requirements for Parts Marking) AIM DPM Matrix 210 21x-x0x  Matrix 210 21x-x0x  Matrix 210 21x-x0x  Matrix 210 21x-x2x  10 to 30 VDC  5 VDC	Reading Angles	Max. Pitch: ± 35°; Tilt: 0-360°				
Postal: Royal Mail, Japan Post, Planet, Postnet and many more  RS232+RS232/RS422/RS485 up to 115.2 Kbit/s ID-NET™ port up to 1 Mbps, USB 2.0 up to 921.6 Kbit/s  Connectivity Modes Pass Through, Master/Slave, Multiplexer, USB Point To Point Two SW programmable, optocoupled and polarity insensitive Digital Outputs Two SW programmable optocoupled  Device Programming X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  User Interface X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)  ISO/IEC 15615 (Print quality test specifications for 2D codes) ISO/IEC 15416 (Print quality test specifications for linear codes) AS9132A (Data Matrix Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guideline)  Matrix 210 21x-x0x  Matrix 210 21x-x0x  Matrix 210 21x-x0x  POWER SUPPLY  10 to 30 VDC  5 VDC		1D e Stacked: IL 2/5, Code 128, Code 39, EAN/UPC, PDF417, Micro PDF417, Pharmacode				
Communication Interfaces  RS232 + RS232 / RS422 / RS485 up to 115.2 Kbit / s ID-NE™ port up to 1 Mbps, USB 2.0 up to 921.6 Kbit / s Connectivity Modes Pass Through, Master / Slave, Multiplexer, USB Point To Point Digital Inputs Two SW programmable, optocoupled and polarity insensitive Digital Outputs Two SW programmable optocoupled  Device Programming  X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  User Interface  X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)  ISO/IEC 15415 (Print quality test specifications for 2D codes) ISO/IEC 15415 (Print quality test specifications for Innear codes) AS9132A (Data Matrix), User Matrix Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guideline)  Matrix 210 21x-x0x  Matrix 210 21x-x0x  Matrix 210 21x-x2x  5 VDC	Readable Symbologies	GS1 DATABAR (RSS) family, and many more 2D: Data Matrix, QR Code, Maxicode, Aztec, Microgl				
Connectivity Modes Pass Through, Master/Slave, Multiplexer, USB Point To Point Digital Inputs Two SW programmable, optocoupled and polarity insensitive Digital Outputs Two SW programmable optocoupled  Device Programming X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences  User Interface X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger, Good, Ready, Power On, Good read Spot)  ISO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code) ISO/IEC 15415 (Print quality test specifications for 2D codes) ISO/IEC 15416 (Print quality test specifications for linear codes) AS9132A (Data Matrix) Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guideline)  Matrix 210 21x-x0x POWER SUPPLY 10 to 30 VDC 5 VDC		Postal: Royal Mail, Japan Post, Planet, Postnet and many more				
Digital Inputs       Two SW programmable, optocoupled and polarity insensitive         Device Programming       X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences         User Interface       X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger,Good, Ready, Power On, Good read Spot)         ISO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code)       ISO/IEC 15415 (Print quality test specifications for 2D codes)         Code Quality Verification       ISO/IEC 15416 (Print quality test specifications for linear codes)         AS9132A (Data Matrix Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guideline)         Matrix 210 21x-x0x       Matrix 210 21x-x2x         POWER SUPPLY       10 to 30 VDC       5 VDC	Communication Interfaces					
Digital Outputs       Two SW programmable optocoupled         Device Programming       X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences         User Interface       X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger,Good, Ready, Power On, Good read Spot)         ISO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code) ISO/IEC 15415 (Print quality test specifications for 2D codes)         Code Quality Verification       ISO/IEC 15416 (Print quality test specifications for linear codes) AS9132A (Data Matrix Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guideline)         Matrix 210 21x-x0x       Matrix 210 21x-x2x         POWER SUPPLY       10 to 30 VDC       5 VDC	Connectivity Modes	Pass Through, Master/Slave, Multiplexer, USB Point To Point				
Device Programming       X-PRESS™ Human Machine Interface, Windows™ based SW (VisiSet™) via serial or USB link Serial Host Mode Programming sequences         User Interface       X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger,Good, Ready, Power On, Good read Spot)         ISO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code) ISO/IEC 15415 (Print quality test specifications for 2D codes) ISO/IEC 15416 (Print quality test specifications for linear codes) AS9132A (Data Matrix Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guideline)         Matrix 210 21x-x0x       Matrix 210 21x-x2x         POWER SUPPLY       10 to 30 VDC       5 VDC	Digital Inputs	Two SW programmable, optocoupled and polarity insensitive				
Serial Host Mode Programming sequences  X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger,Good, Ready, Power On, Good read Spot)  ISO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code) ISO/IEC 15415 (Print quality test specifications for 2D codes) ISO/IEC 15416 (Print quality test specifications for linear codes) AS9132A (Data Matrix Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guideline)  Matrix 210 21x-x0x  POWER SUPPLY  10 to 30 VDC  S VDC	Digital Outputs	Two SW programmable optocoupled				
ISO/IEC 16022 (Data Matrix), ISO/IEC 18004 (QR Code) ISO/IEC 15415 (Print quality test specifications for 2D codes) ISO/IEC 15416 (Print quality test specifications for linear codes) ISO/IEC 15416 (Print quality test specifications for linear codes) AS9132A (Data Matrix Quality Requirements for Parts Marking) AIM DPM (Global Direct Part Mark Quality Guideline)  Matrix 210 21x-x0x  Matrix 210 21x-x2x  POWER SUPPLY  10 to 30 VDC  5 VDC	Device Programming					
ISO/IEC 15415 (Print quality test specifications for 2D codes)   ISO/IEC 15416 (Print quality test specifications for 2D codes)   ISO/IEC 15416 (Print quality test specifications for linear codes)   ISO/IEC 15416 (Print quality test specifications for linear codes)   ISO/IEC 15416 (Print quality test specifications for linear codes)   AS9132A (Data Matrix Quality Requirements for Parts Mark Marking)   AIM DPM (Global Direct Part Mark Quality Guideline)   Matrix 210 21x-x0x	User Interface	X-PRESS™ Human Machine Interface LEDs (Status, Com, Trigger,Good,	X-PRESS™ Human Machine Interface, Beeper, Programmable Push Button, LEDs (Status, Com, Trigger,Good, Ready, Power On, Good read Spot)			
POWER SUPPLY 10 to 30 VDC 5 VDC	Code Quality Verification	ISO/IEC 15415 (Print quality test specifications for 2D codes) ISO/IEC 15416 (Print quality test specifications for linear codes) AS9132A (Data Matrix Quality Requirements for Parts Marking)				
		Matrix 210 21x-x0x	Matrix 210 21x-x2x			
POWER CONSUMPTION         3.6 W max; 3.0 W typ.         2.5 W max; 2.0 W typ.	POWER SUPPLY	10 to 30 VDC	5 VDC			
	POWER CONSUMPTION	3.6 W max; 3.0 W typ.	2.5 W max; 2.0 W typ.			

MODELS				_ "	_		
MUDELD	N W		-				•
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	P/N	Description	P/N	Description
	937501026	MATRIX 210 211-100 WVGA-NEAR-25P-ST	937501038	MATRIX 210 211-000 WVGA-NEAR-90-25P-ST
SERIAL	937501027	MATRIX 210 212-100 WVGA-MED-25P-ST	937501039	MATRIX 210 212-000 WVGA-MED-90-25P-ST
SERIAL	937501028	MATRIX 210 213-100 WVGA-FAR-25P-ST	937501040	MATRIX 210 213-000 WVGA-FAR-90-25P-ST
	937501029	MATRIX 210 214-100 WVGA-UHD-25P-ST	937501041	MATRIX 210 214-000 WVGA-UHD-90-25P-ST
SERIAL ETHERNET	937501030	MATRIX 210 211-110 WVGA-NEAR-ETH-ST	937501042	MATRIX 210 211-010 WVGA-NEAR-90-ETH-ST
	937501031	MATRIX 210 212-110 WVGA-MED-ETH-ST	937501043	MATRIX 210 212-010 WVGA-MED-90-ETH-ST
	937501032	MATRIX 210 213-110 WVGA-FAR-ETH-ST	937501044	MATRIX 210 213-010 WVGA-FAR-90-ETH-ST
	937501033	MATRIX 210 214-110 WVGA-UHD-ETH-ST	937501045	MATRIX 210 214-010 WVGA-UHD-90-ETH-ST
USB	937501034	MATRIX 210 211-120 WVGA-NEAR-USB-ST	937501046	MATRIX 210 211-020 WVGA-NEAR-90-USB-ST
	937501035	MATRIX 210 212-120 WVGA-MED-USB-ST	937501047	MATRIX 210 212-020 WVGA-MED-90-USB-ST
	937501036	MATRIX 210 213-120 WVGA-FAR-USB-ST	937501048	MATRIX 210 213-020 WVGA-FAR-90-USB-ST
	937501037	MATRIX 210 214-120 WVGA-UHD-USB-ST	937501049	MATRIX 210 214-020 WVGA-UHD-90-USB-ST

# READING CHARACTERISTICS

MODELS	FOCUS DISTANCE	FIELD OF VIEW @ FOCUS DISTANCE	PPI@ FOCUS DISTANCE	TYP. 1D AND STA- CKED CODE RESOLUTION	2D CODE RESOLUTION		READING DISTANCE	
	mm (in)	mm (in)		mm (mils)	mm (mils)	mm (in)	Min.	Max.
MATRIX 210 214-xxx UHD	30 (1 38)	16.5 x 10.5 (0.65	1150	0.063 (2.5)	Тур.	0.076 (3)	28 (1.10)	32 (1.26)
		x 0.41)	1150		Max.	0.13 (5)	23 (0.91)	38 (1.50)
MATRIX 210 211-xxx UHD	45 (1.77)	35 x 22	545	0.10 (4)	Тур.	0.13 (5)	42 (1.65)	53 (2.08)
MATRIX 210 211-XXX UHD	45 (1.77) (1.38	(1.38 x 0.87)	545	0.10 (4)	Max.	0.19 (7.5)	36 (1.42)	61 (2.40)
MATRIX 210 212-xxx MEDIUM	CE (2.EC)	50 x 32	380	0.15 (6)	Тур.	0.19 (7.5)	54 (2.13)	90 (3.54)
	65 (2.56) (1.97 x 1.26)	(1.97 x 1.26)			Max.	0.25 (10)	47 (1.85)	101 (3.97)
MATRIX 210 213-xxx FAR	105 (4.13) 80 x 50 (3.15 x 1.9)	80 x 50	238	0.20 (8)	Тур.	0.25 (10)	85 (3.35)	135 (5.31)
		(3.15 x 1.97)			Max.	0.38 (15)	70 (2.76)	192 (7.55)

