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Data Matrix™ Controller

Reads and Decodes
Data Matrix Codes

Compact Rugged
Industrial Controller



Overview

The MX-600 Data Matrix reader is a low cost controller and scanner (that includes lights, camera, and optics) designed for reading Data Matrix marks in a variety of applications. The MX-600 has been designed to function even in the harshest environments. It is a compact and heavy-duty device, packaged in anodized aluminum that resists corrosion, dents and scratches. Applications include reading printed labels, directly applied pin stamps or laser marks on parts in the semiconductor, electronics, automotive, packaging and other industries.

Features/Benefits

- Complete system includes a controller, camera/s, and optics
- Reads data matrix in sizes from .001" square to 14"
- Advanced image processing algorithms
- Advanced error detection
- Up to 600 decodes per minute
- RS232 communication port
- Strobe and sensor control
- Opto I/O port
- CCD camera
- Compact size
- Statistical analysis
- Real time display of information on mark quality
- Ease of installation
- A variety of applications and variability of data matrix symbols in the same application
- Ability to accept a variety of marking techniques and to read damaged and low contrast codes
- Reliable, robust performance. Advanced performance analysis.
- Allows applications in demanding dynamic environments
- Easy network and data base connectivity
- Fits into most industrial environments
- Connections to industrial controllers
- Improved field of view
- Easy to incorporate into industrial environments with space limitations
- Ability to analyze overall system performance, including part marking
- User friendly system fine-tuning

Applications

The MX-600 reads Data Matrix codes used for manufacturing control, part traceability, theft deterrence and distribution control in the semiconductor, electronics, automotive, packaging and other industries.

Applications include:

- Printed labels
- Directly applied pin stamps
- Laser marks on parts
- Ink jet marks on parts

Specifications

- | | |
|--------------------------------|---|
| ● Resolution | 640 x 480 medium resolution only |
| ● Reads/Minute | up to 600 |
| ● Power Requirement | 95-250 VAC, 47-63 Hz |
| ● Power Safety Standards | UL/CSA/TUV approved power supply |
| ● Operating Environment | 0-40°C (32-104°F), 20-80% relative humidity |
| ● Communications | RS-232C at 300 to 19200 baud rate |
| ● Controller Set-up | Windows™ '95 Terminal Emulation |
| ● Control I/O | Opto isolated inputs and outputs (3 in/8 out), Opto 22 compatible |
| ● Weight | 1.25 lbs. (0.6 KGS) |
| ● Mounting | Rack or table top |
| ● Electromagnetic Interference | Verified FCC Part 15 Class A |
| ● Certification | Verified CISPR-22/EN55022 |
| | CE Marked |



CiMatrix

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MX600-1 01/98 5M

Specifications subject to change without notice.



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