

## Fixed-Position Reader for Data Matrix Symbols, Bar Codes, and Optical Character Recognition on Any Surface

### Product Summary

DMx AutoID+ is a fast, high-performance symbology reader designed for a variety of two-dimensional (2-D) codes, one-dimensional (1-D) bar codes and optical character recognition (OCR). It has an in-line verification option for all Data Matrix symbols, permitting real-time analysis of key marking parameters for every Data Matrix symbol.

Fast image processing and a Windows® NT/98/2000 software interface make DMx AutoID+ the most flexible, powerful, yet easy-to-use system — ideal for any application in which a PC is used.

Advanced image processing features allow DMx AutoID+ to solve the most demanding automatic identification and data collection problems, while ensuring exceptional performance. Extensive I/O interface options, transmission speeds and a rich set of programmable features can be configured to address any data collection application.

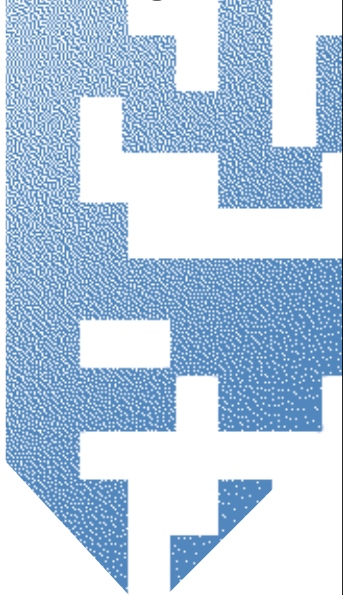
### Features and Benefits

- Easy to install and operate
- Up to 1800 reads per minute in high-resolution mode and even faster in low-resolution mode
- Reads multiple symbols in the same field of view
- Supports four cameras individually, triggered or synchronous triggered, via I/O board with strobe output
- Real time in-line verification of Data Matrix symbols
- On screen image and data display for each camera input
- Windows-based graphical user interface (GUI)
- Ability to accept a variety of marking techniques and to read damaged and low-contrast codes
- Auto-discriminates major 1-D bar codes and 2-D codes
- Advanced field proven image processing algorithms

### Applications

- Parts traceability
- Small part identification and serialization
- OCR
- Printed circuit board identification
- Automotive component identification and error proofing
- Electronic component identification
- Semiconductor wafer ID (Semi T7)
- Aerospace part identification (ATA Spec 2000)
- Pharmaceutical label verification (FDA)
- Quality program/ISO 9000 verification
- Data Matrix symbol verification
- Fraud prevention
- Work-in-process tracking





This information is provided by

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### **Physical Characteristics**

Dimensions: Half-length PCI board

Power Requirements: Powered via PC

### **Performance Characteristics**

Interfaces: 16 programmable digital I/O  
RS-170 or CCIR video inputs  
Reading results with debugging outputs  
Multiple image display options

Optical Resolution: Up to 30 reads per second with full 640 x 480 resolution or 25 reads per second with 768 x 572 resolution

Optical Parameters: Four camera asynchronous or synchronous image acquisition with strobe output per PCI board. Up to four boards supported

Programming: Windows® NT/98/2000/XP graphical user interface

Decode Capability: 1-D: Code 128, Code 39, Codabar, Code 93, I2of5, UPC/EAN, UPC-E, UPC Supplementals, Postnet, Pharmacode, BC 412  
2-D: Data Matrix, PDF417  
OCR: SEMI, OCR A, OCR B

Networking Options: Ethernet TCP/IP  
Profibus Slave (slave card required)

### **User Environment**

Operating Temperature: 32° F to 104° F (0° C to 40° C)

Storage Temperature: -4° F to 149° F (-20° C to 65° C)

Humidity: Up to 95%, non-condensing