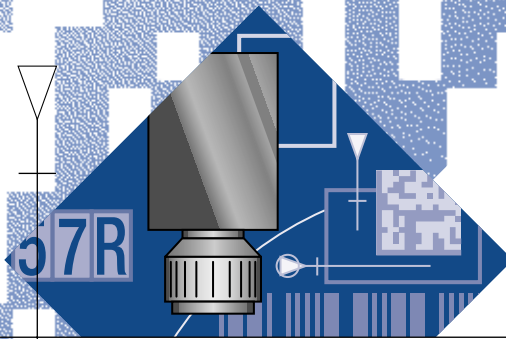


# MX-700 Series



## Rugged and Compact Fixed-Position Readers Decode 2-D Data Matrix and 1-D Bar Codes

### Product Summary

The MX-700 series of fixed-position readers decode two-dimensional (2-D) Data Matrix marks and one-dimensional (1-D) bar codes in a variety of applications. They are rugged, compact and integrated readers, combining illumination, camera and optics.

These readers are ideal for applications where separate small cameras and remote controller units are required. Designed to function in the harshest environments, the MX-700 system is a heavy-duty device packaged in anodized aluminum that resists corrosion, dents and scratches. The readers require minimal set-up and installation time and are easily networked into most industrial environments.



### Features/Benefits

- Compact size with the ability to separate camera and lighting from remote controller
- Complete integrated system, including controller, camera, and optics
- Quick unit set-up and installation
- Extensive network and database connectivity
- Real-time processing control and display of mark quality information and statistical analysis
- Allows preventive maintenance of printers and marking equipment
- Reliable, robust performance in demanding, dynamic environments
- Applicable to a wide variety of marking techniques
- Verifies damaged and low-contrast marks
- Mixed symbology application versatility
- Auto-discriminates between all codes
- Advanced image processing algorithms

### Applications

- Reading codes on printed labels and Direct Part Marks (DPMs) created by dot peen, laser, and ink-jet for:
  - Electronics and semiconductor
  - Automotive
  - Aerospace
  - Manufacturing control, part traceability, theft deterrence, and distribution control
- Harsh manufacturing environments
- Tight working areas due to the ability to separate the imager and controller
- Transitional 1-D bar code to 2-D Data Matrix code reading

# MX-700 Series

## Physical Characteristics

Dimensions:	2.13" H x 4.4" W x 6.7" D (5.41 cm H x 11.18 cm W x 17.0 cm D)
Power Requirements:	95-250 VAC, 47-63 Hz (MX712 only) with External Power Supply Options without External Supply: MX712 12v% 10% V at 2 A MX724 24v% 20% V at 1.25 A UL/CSA/TUV/CE approved power supply

## Performance Characteristics

Interfaces:	Communications: RS-232C, baud rates from 300 bps to 57600 Control I/O: Opto isolated inputs and outputs (3 in/8 out), Opto 22 compatible
Optical Resolution:	640 x 480 high resolution only 320 x 240 low resolution only
Programming:	Windows® 95/98 and NT. Graphical User Interface (GUI) for PCs
Decode Capability:	1-D: Code 39, Code 93, I2of5, Code 128, Codabar, BC412, Postnet, Pharmacode, UPC/EAN, Compressed UPC/EAN 2-D: Data Matrix

## User Environment

Operating Temperature:	32° F to 104° F (0° C to 40° C)
Humidity:	20% to 80%, relative humidity

## Regulatory

Electrical Safety:	CE Compliant, UL/CSA/TUV
EMI/RFI:	FCC Part 15 Class A, CIS PR-22/EN 55022

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