# DATACARD® MX SERIES MODULES

## VISION VERIFICATION MODULE GEN 3

The vision verification module gen 3 provides operational peace of mind and reduces costly human errors through a pre-programmed, automatic verification of card stock, vision registration, or read-lookup functionality.

• Increases confidence in card personalization by adding automated verification steps prior to issuance

• Locates and verifies unique identifiers

• Complements the numerous checks and balances already in place as the card moves from module to module, audited at every step

• Vision registration feature drives downstream personalization activities by using dynamic image/ text positioning to increase production efficiencies

### Vision Verification Module Gen 3 Specifications

| | |
|---|---|
| Module Functionality | Verifies pre-printed and personalized elements<br>• Graphics, durable graphics, drop on demand, color printed images, and text<br>• Laser engraving<br>• Facial recognition through pattern match |
| Readable Elements | Basic support for many TrueType fonts for Microsoft® Windows® operating systems; printed and pre-printed graphics, durable graphics, drop on demand, laser, and OCR-B characters (including ICAO MRZ standards for cards)* |
| Capabilities | • Supports rotation at 90, 180, and 270 degrees<br>• Analyzes front and/or back of card in one module |
| Text Placement | • All pre-printed characters must be at least 0.06 in. (1.52 mm) from top and bottom of card<br>• All graphics and color printed elements need to follow the printing specifications as determined for each module |
| Minimum Verifiable Text Size | • High-quality, lithographic printing — 0.06 in. (1.52mm)<br>• High-quality color (D2T2) and graphics printing — 0.085 in. (2.16mm) |
| Card Types Supported | IICO/IEC 7810 Size: 30 mil (+/- 10%) |
| Card Materials Supported | See system level specifications; no further limitations |

* For more information, please contact a local sales representative

### Vision Verification Module Gen 3 Supported Systems

| Available Systems | MX9100™ System | MX8100™ System | MX6100™ System | MX2100™ System |
|---|---|---|---|---|
| Rated Speed | Up to 4,000 CPH (dependent on number of elements being checked) | Up to 3,000 CPH (dependent on number of elements being checked) | Up to 1,800 CPH (dependent on number of elements being checked) | Up to 1,200 CPH |
| Allowed Quantity | Up to 2 modules per system | | | Up to 1 module per system |
| Module Configurations | Minimal field calibration needed for camera | | | |
| System Considerations | • For pre-printed card stock verification or vision registration, position immediately after the Card Input Module and Card Cleaning Module if in system<br>• Verification setups can be shared across DATACARD® Systems | | | |
| Module Dimensions | 50.1 in. H x 10.0 in. W x 27.0 in. D (127.3 cm x 25.4 cm x 68.6 cm) | | | |
| Weight | 96.0 lbs (43.6 kg) | | | |
| Current Draw | 0.26 Amps at 230V | | | |
| Heat Output | Average of 194 BTUs per hour | | | |

## Learn more about the MX Series at entrust.com

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