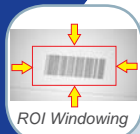


# MATRIX-2000™

## Compact 2D Imager



ROI Windowing



DPM Applications



Autolearning



Symbol Verification



### HIGHLIGHTS

Matrix-2000™ is a fully integrated area reader that combines a LED lighting system, image capturing, decoding and communication interfaces in a single compact product. Rugged construction and ESD Safe versions make this reader suitable for any industrial application in all the main industries.

#### • EXCELLENT PERFORMANCE

Powerful proprietary decoding libraries provide the Matrix with excellent performance on printed or DPM (Direct Part Marked) symbols even when damaged or of low quality. High dynamic reading performance allows the Matrix to acquire images up to **60 frames/s**. Higher frame rates can be achieved using the powerful **Region Of Interest Windowing**, satisfying applications with object speeds up to **6.0 m/s**.

#### • EASE OF USE

The **Autolearning function** automatically sets photometry and decoding parameters making installation faster and easier (only 4 steps!), even for non-expert users. In order to avoid new reconfiguration, **Run Time Self-Tuning (RTST)** increases the Matrix's readiness by automatically setting the reader in run time.

#### • SYMBOL VERIFICATION

Matrix-2000™ can verify code quality by monitoring how well the printing/marketing system is performing. It is compliant with **AS9132A** and supports **ISO/IEC standards** for Data Matrix and linear codes.

#### • FLEXIBILITY & VERSATILITY

Matrix-2000™ is ready for use in various applications, offering **VGA** and **SXGA** sensors and **many optical solutions** guaranteeing accuracy in identifying codes with different resolutions at various distances with the best reading performance in its class. Moreover, a **complete set of accessories** is available: lighting systems, connection boxes, mounting accessories and brackets.

### FEATURES

- Outstanding decoding capability: 1D, 2D, Postal, Stacked
- Excellent performance on DPM application
- Application speed up to 6 m/s
- Region of Interest Windowing for higher frame rate
- Autolearning function for easy and intuitive set-up
- Run Time Self-Tuning for higher readiness
- Up to 100 codes in a single frame
- Symbol Verification Capability
- Image Management capability
- Ethernet connectivity
- Extensive Optical solution

### APPLICATIONS

- Automotive industry
  - Work-in-Progress Traceability
  - DPM Reading and Verification
  - Tire Sorting
- Electronic Industry
  - PCB Handling Systems
  - Semi-conductor Assembly
- Medical & Pharmaceutical
  - Medical ID Devices
  - Pharmaceutical Manufacturing
  - Chemical & Biomedical Analysis
- Postal & Distribution Industries
  - Document and Mail Processing
  - Small Parcel Sorting
  - CD/DVD Identification
- Food & Beverage Industry
  - Work-in-Progress Traceability
  - Reverse Vending Machine

