

# Matrix 400™

## Compact 2D Imager

### Highlights

Matrix 400™ is an industrial compact 2D reader that combines image capturing, decoding and communicating in a single compact and versatile product.

#### • EXCELLENT PERFORMANCE

The two sensor versions (**SXGA** and **UXGA**), combined with **powerful internal lightings** and **C-Mount lenses**, guarantee accuracy in identifying and verifying codes with different resolutions at various distances. **Powerful proprietary decoding libraries** provide the Matrix 400™ with excellent performance even on damaged and low quality codes. Higher frame rates can be achieved using the powerful **Region Of Interest Windowing**, satisfying applications with high throughput.

#### • EASE OF SETUP

**X-PRESS™** makes installation and maintenance easier than ever thanks to a five LED bar-graph and a multi-function key that sets relevant functions such as Focus (**Blue Diamonds™** System), Test Mode (for bar graph activation), Setup (for automatic imager calibration), Learn (for automatic code setting).

#### • EASE OF USE

**Run Time Self-Tuning (RTST)** increases the Matrix's flexibility by automatically setting the reader in run time, and a **Green Spot** provides immediate Good Read feedback.

#### • FLEXIBILITY

**Modular design**, focus adjustable **C-Mount lenses** and a **large set of accessories** provide high flexibility in covering demanding application.

#### • CONNECTIVITY

Embedded high speed **ID-NET™** communication interface allows efficient data collection and simplify network wiring

#### • VERSATILITY

Matrix 400™ features both **DPM (Direct Part Marked) reading capability** and **Code Quality Verification** in the same product accordingly to ISO and IAQG standards.

#### • INDUSTRIAL STRENGTH

With its **rugged construction**, **IP67** protections and **50°C** max operating temperature, Matrix 400™ is the best product for industrial application.

**2MP  
Sensor**

Large FOV



Adjustable Focus

**Xpress  
Interface**

Ease of Setup



Ease Aim & Focus



### Features

- 1,3 (SXGA) & 2,0 (UXGA) MPixels models
- Adjustable focus through C-Mount lenses
- Outstanding decoding capability on 1D, 2D, Stacked, Postal symbologies
- Excellent Performance on DPM Application
- Region Of Interest Windowing for higher frame rate
- Blue Diamonds™ aiming and focusing system
- X-PRESS™ for easy and intuitive setup
- Run Time Self Tuning for higher flexibility
- ID-NET™ embedded high speed connectivity
- Code Quality Verification Capability
- Ethernet Connectivity

### Applications

- **Automotive**
  - DPM Reading and Verification
- **Electronics**
  - Large PCB Board Tracking
  - Electronics Product Tracking
- **Distribution & Retail Industry**
  - Presentation Scanner
  - Small Objects Sorting
  - Warehouse application
- **Medical & Pharmaceutical**
  - Medical Devices Traceability
  - Pharmaceutical and Medicine Manufacturing
  - Chemical & Biomedical Analysis
- **Food & Beverage**
  - Work in Progress Traceability
  - Code Quality Control

