

## APPLICATIONS

### MATRIX 200™

- Electronics
- PCB board tracking
  - Electronic product tracking

- Pharmaceutical & chemical
- Pharmaceutical industries
  - Supply chain traceability

### OEM

- Chemical & biomedical analysis
- Access control systems
- Self service systems (ATM, kiosks)
- Print & apply systems
- Document handling

### MATRIX 400™ / MATRIX 2000™

- Automotive
- DPM reading and verification

### Electronics

- PCB board tracking
- Electronic product tracking

### Distribution & retail industry

- Presentation scanner
- Small object sorting
- Warehouse applications

### Medical & pharmaceutical

- Medical device traceability
- Pharmaceutical industries
- Chemical & biomedical analysis

### Food & beverage

- Work-in-progress traceability
- Code quality control

## HIGHLIGHTS

### MATRIX 200™ / MATRIX 400™ MATRIX 2000™

- CCD/CMOS based 2D readers for fixed industrial applications
- Compact industrial units integrating lighting, image capturing, decoding and communication
- Direct or 90° reading window
- Outstanding decoding capability on 1D, 2D, stacked and postal symbologies
- Excellent performance on DPM applications
- Code quality verification capability (ISO/IEC, AS9132A, AIM DPM)
- External illuminators available as accessories
- Intuitive X-PRESS™ human machine interface
- ID-NET™ embedded interface for high speed communication network
- Adjustable focus through C-Mount lenses (MATRIX 400™)
- Blue Diamonds™ aiming and focusing system (MATRIX 400™)
- USB connectivity (MATRIX 200™)

## TECHNICAL DATA

### MATRIX 200™

- Extremely compact dimensions: 50x25x45mm
- CMOS matrix sensor
- WVGA image resolution
- Read rate: up to 60frames/s
- Object speed: up to 2.0m/s
- Connectivity: RS232, RS485, USB
- I/O: 2 inputs, 2 outputs; optocoupled
- Power supply: 10 to 30Vdc, 3.6W max (serial models); 5Vdc; 2.5W max (USB models)
- Protection class: IP65

### MATRIX 400™

- CMOS/CCD matrix sensors
- SXGA/UXGA image resolution
- Read rate: up to 27frames/s
- Object speed: up to 6.0m/s
- Connectivity: RS232, RS485, Ethernet
- I/O: 2 inputs, 2 outputs; optocoupled
- Power supply: 10 to 30Vdc; 8W max.
- Protection class: IP67

### MATRIX 2000™

- CCD matrix sensor
- VGA image resolution
- Read rate: up to 60frames/s
- Object speed: up to 4.0m/s
- Connectivity: RS232, RS485, Ethernet
- I/O: 2 inputs, 3 outputs; optocoupled
- Power supply: 10 to 30Vdc; 8W max.
- Protection class: IP64

