

## STATIONARY INDUSTRIAL SCANNERS - 1D IMAGER READERS

### DS8110/DX8210



- ALL-IN-ONE architecture (DX8210)
- Top class reading performance
- Excellent performance on Low quality code
- DST (Digital Signal Technology) offering stable and constant performance at any operative conditions
- Multi laser ASTRA G3 technology
- Ethernet Bus Connections
- Fully redundant configuration, no single point of failure
- Unmatchable ease of use and ease of installation
- e-GENIUS web browser programming tools
- Ease maintenance and automatic replacement

### DS5100



- Selectable focus system
- Display and multi-language messages
- ID-NET™ embedded interface for high speed communication network
- Single/Double Ethernet port
- Integrated oscillating mirror models
- Profinet (MRP supported)
- Compatible with SC500/DS8110/DX8210

### DS2100N/DS2400N



- Embedded Ethernet connectivity
- Two Profinet Ports (MRP supported)
- Embedded Ethernet Switch
- Rotating connector block
- Compact dimensions
- Excellent performance on low quality and damaged labels
- DS2100N: Up to a 300 mm (11.8 in.) reading distance
- DS2400N: Up to a 600 mm (23.6 in.) reading distance
- Oscillating Mirror (Accessory)

### SC5100



- Laser (DS-DX), Imagers (AVs), Dimensioner Native Integration
- 4 GB ETH embedded switch
- RFID scale and 3rd Party Integration
- Industrial Grade protection (IP65, no need for added enclosure)
- 5 inch Graphical Color display and Clear Status LEDs
- Supports Full Redundant Layout
- Support to Legal For Trade DWS Systems (provide Alibi for scale, DWS systems)
- Built-in Ethernet, Ethernet/IP and optional Profibus and Profinet models
- Access locally or remotely from one point all the connected components

## SYSTEM INTEGRATION

# Manufacturing Portfolio & Barcode Testing Chart

POCKET GUIDE



## STATIONARY INDUSTRIAL SCANNERS - 2D IMAGER READERS

### Matrix 320



- Innovative platform and sensor with outstanding Field of View (FoV) and Depth of Field (DoF)
- Smart configurable lighting solutions with more color options in three power versions
- Liquid lens remote focus control for extreme flexibility in production
- C-Mount lenses for maximum optical configurability and high intrinsic DOF
- Web monitoring, fast image saving, configurable 360 degree multicolor visual feedback for complete performance diagnostics
- Embedded distance sensor and orientation sensor for easy of use and installation

### Matrix 220



- Compact dimension and rotating connectors for easy integration
- White, red and blue light All-In-One DPM illuminator for strong DPM reading performance including diffuser and polarizer in the same model
- Top performing High Power Illuminator models for challenging high speed applications
- Smart electronic focus control for high reading flexibility
- ESD and YAG cut filter protection as front cover accessory for extreme flexibility, reducing the number of models and simplifying the stock management
- Flexible cables suitable for robotic arms applications

### Matrix 120



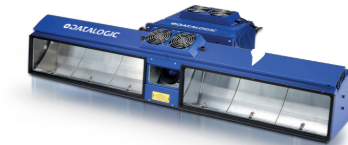
- Ultra compact dimensions and short cable versions for easy integration and ideal to mount on robotic arms
- External smart user selectable focus for high application flexibility
- ESD Version for electronic applications
- Polarized Version for 90° mounting and reflecting surfaces
- Wide angle models for proximity reading
- New flexible cables suitable for robotic arms applications
- 90 degree deflection mirror for morecompact installation, designed to be compatible with previous Matrix 210N 90 degree version for easy replacement

### AV Series



- High performance camera (5MPx AV500, 9MPx AV900) with integrated image processing system
- Image saving to external locations through the dedicated high speed Gigabit Ethernet port
- White and Red lighting options
- New generation decode algorithm to read very bad quality label
- Multiple format Image saving from full definition to highly compressed JPG

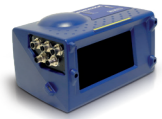
### AV7000



- Single view high quality picture on large conveyor
- Excellent reading performances on high speed conveyors: 4.8m/s (945fpm)
- Patented Pulsed Lighting System to reduce reading station footprint 2.2m (7ft)
- Patented Autofocus System offering extended DoF
- New generation decode algorithm to read very bad quality label

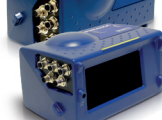
## DIMENSIONERS

### DM3610



- NTEP, OIML and MC certified for Legal for Trade applications on belt conveyors
- NTEP and OIML certified for Legal for Trade applications on cross-belt
- Works for cuboidal
- Works for singulated and non-singulated package flows

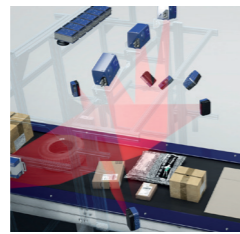
### DM3610 2 head system



- NTEP and OIML certified for Legal for Trade applications on belt conveyor and cross-belt
- Works for cuboidal and irregular package flows
- Works for singulated and non-singulated package flows
- Reduced shadowing

## SOLUTIONS

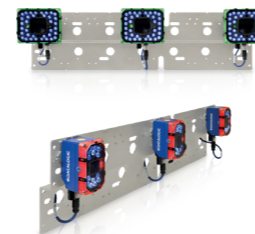
### MFDS - MassFlowDetectionSystem



- Automated data collection (replaces manual barcode reading) for large items in a non-singulated flow
- Legal for trade volume measurement for a non-singulated flow
- Leverages standard, well known proven components, empowered by new 3D algorithms and system integration software (AV9000, DS8110, DM3610)
- State-of-the-art 3D analysis of touching objects allows a maximum level of object recognition (separation and detection of each item running even if they are touching or side by side)
- The main system component comes in one pallet for ease of installation

## CONNECTIVITY

### STS320



- Outstanding reading performance
- Compact and out of the box solution fully pre-assembled, pre-configured and validated in the factory for the quickest installation on the field and for fast replacement
- Run time diagnostics and unreadable code classification to increase the overall productivity
- Live and high-speed image saving for post processing analysis
- Web Mosaic view to monitor all the readers
- Completely new state of the art DL.CODE software

### CBX Series



- Simplified wiring to speed up installation
- Scalable and modular connectivity
- Base and extended models
- Modular field bus connectivity
- Optional backup/restore module
- Optional display
- Low temperature model

## STATIONARY INDUSTRIAL SCANNERS SOFTWARE AND TOOLS

### WebSentinel



- Real-Time Performance at a glance
- Front page that shows real-time reading performance, package activity and device diagnostics in foreground
- Complete control from enterprise to device
- Quickly 'drill-down' from enterprise to facility to scan point to device level views
- Database searches and reporting
- Image file browsing for imager devices (linear and area camera)

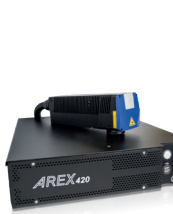
### WebSentinel PLUS Investigator



- No Read Root Cause Automated aggregation in classes
- Printing Quality Trend evaluation
- Analysis Result at Parcel Level
- Full integration within WebSentinel Plus platform
- Individual user accounts
- Web-based client

## LASER MARKING

### AREX400



- Ultra-compact, lightweight scanhead
- IP64 protection against dust, water, oil and lubri-coolant droplets
- Robot-ready, high resistance cables and conduit
- Laser marking GreenSpot
- All-inclusive design; no external PC or additional hardware required
- High reliability, high resolution full-fiber Laser Technology
- Built-in Ethernet TCP/IP, EtherNet/IP and Profinet communication protocols
- Access locally or remotely from
- Fully compatible with MARVIS\* (Mark and Validate Integrated Solution) for zero-defect Traceability

### VLASE



- Compact, high-performance laser resonator
- Detachable resonator & optical fiber
- High Peak power up to 60 kW
- Infrared, Green and UV on same platform
- All-inclusive design; no external PC or additional hardware required
- Built-in Ethernet TCP/IP, EtherNet/IP and Profinet communication protocols
- Fully compatible with MARVIS\* (Mark and Validate Integrated Solution) for zero-defect Traceability

## LASER MARKING SOFTWARE AND TOOLS

### Lighter MARVIS



- Unified, full graphical interface for Laser Marking and Code Reading
- Object-related Laser Properties and ID configuration
- Simplified reader connection and setup
- Auto setup and auto tuning features
- Multi codes verification
- Code Image storage
- Advanced statistics informations

## MOBILE COMPUTERS - PDA

### Memor 11



- Ultra-Ergonomic, compact and robust
- 5 inch brilliant capacitive multi-touch HD display
- Validated by Google as 'Android Enterprise Recommended' for rugged devices
- Wireless charging increases reliability dramatically by eliminating contacts on both the device and docks
- Ruggedized with drop resistance to 1.5 m / 5 ft to concrete and IP65 sealing
- Full suite of cellular connectivity for voice and data, featuring LTE-Advanced/4G+

### Memor K



- Ergonomic, very light weight and pocketable size to read 1D and 2D codes in any direction and on any surface, including mobile screens
- Easy-swappable battery for a quick replacement
- Enhanced productivity all over the store: run simultaneous applications smoothly

## MOBILE COMPUTERS - PDT

### Skorpio X5



- Largest 4.3" high visibility display in its class
- High performance octa-core 2.2 GHz Qualcomm processor up to 4 GB RAM
- Handheld and Pistol-grip form with 3 keyboard layouts
- Fully rugged 1.8 m drop and IP65 rating
- Choice between Wireless Charging or Wired versions with dedicated docks
- Scan engine: 1D Imager, 2D Imager Standard Range, Mid-Range and near/far Extra-Long-Range Imager

## INDUSTRIAL HANDHELD SCANNERS

### PowerScan 9600



- Snappy omnidirectional reading on 1D, stacked and 2D codes, postal codes
- Standard Range and High Performance models
- Wireless Charging reducing total cost of ownership
- Water and Particulate Sealing Rating: IP67 and IP65; Cradle IP65; 10 million hits trigger
- Center of gravity design
- Modular cradle design allowing interface expansion
- White light illumination
- High visibility OLED Display with 4-Keys /16-Keys keypad options
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback

### PowerScan 9100



- Datalogic's linear imaging technology for 1D barcode labels
- Green scanning line with the same definition of a Laser beam
- Outstanding decoding capability on damaged barcodes
- Bluetooth and Datalogic proprietary STAR Radio with display and keypad options
- Balanced ergonomics and built to last with its 10 mln hits trigger

### PowerScan 9500



- Omnidirectional reading on 1D, 2D, Stacked and Postal Codes
- Standard-range and long-range scanning capabilities
- Bluetooth and proprietary Datalogic STAR Radio system with display and keypad options
- Multiple connectivity including Ethernet and Industrial Ethernet
- Specific models for Direct Part Mark codes
- Superior Good Read feedbacks with 3GL technology and Green Spot

### HandScanner



- Improves productivity saving 4 seconds per scan
- Improves accuracy: up to 33% less errors
- Improves worker ergonomics: weight savings of up to 1.5 tons per shift
- Best performance: megapixel resolution and ability to capture 1D/2D barcodes
- Premium solution compared to a ring scanner: fingers are free to grab items and use tools and device is less exposed to impacts

# 1D CODES

Code 93 13mils



2165144

Standard 2 of 5 13mils



65791813

GS1 Databar (RSS) 13mils



(01) 0 0000123 00001 7

EAN8 13mils



2 1 2 3 4 5 6 9

UPC-A 13mils



0 1 4 1 4 9 9 2 9 9 6 2

Interleaved 2 of 5 13mils



3571297342

Codabar 13mils



9847516

Plessey 8mils



12345678

UPC-E 13mils



0 4 0 2 9 3 1 1

EAN13 13mils



6 4 5 6 8 1 3 4 7 2 3 4 5

# 1D CODES

# LONG CODES

ISSN 13mils



ISSN 977-832-26-1345-1  
9 7 7 8 3 2 2 6 1 3 4 5 1

Code 128 10mils



2112345678917

MSI Plessey 10mils



161499967

Code 39 - Full ASCII 10mils



123abc

Code 128 10mils (35 Digits)



95158975215978415159875314097845345

ISBN 13mils



ISBN 979-923-45-6421-6  
9 7 9 9 2 3 4 5 6 4 2 1 6

GS1-128 13mils



24561239

Code 32 13mils



A056742113

Code 39 - Regular 13mils



121654

# 2D CODES

QR Code 15mils



Data Matrix 15mils



Data Matrix 55mils



Aztec Code 15mils



EAN - UCC Composite



QR Code 5mils



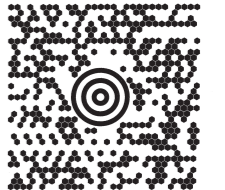
QR Code 3mils



Data Matrix 100mils



Maxicode



Micro QR 15mils



PDF417 10mils



Han Xin Code 15mils



# LOW CONTRAST CODES

# DAMAGED CODES

EAN13 13mils (60% PCS)



EAN13 13mils (30% PCS)



EAN13 13mils (20% PCS)



QR Code 15mils (40% PCS)



QR Code 15mils (25% PCS)



Code 128 13mils



Code 128 13mils



Code 128 13mils



QR Code



12345678

Code 128



QR Code



Data Matrix



QR Code



Data Matrix



Data Matrix



# LARGE CAPACITY CODES

# INVERSE COLOR CODES

# HIGH DENSITY CODES

QR Code 15mils



Code 128 13mils



EAN8 13mils



2 1 2 3 4 5 6 9

Data Matrix



Code 39 5mils



85681347236

PDF417 5mils



QR Code 15mils



Code 128 3mils



6541

Data Matrix 5mils

