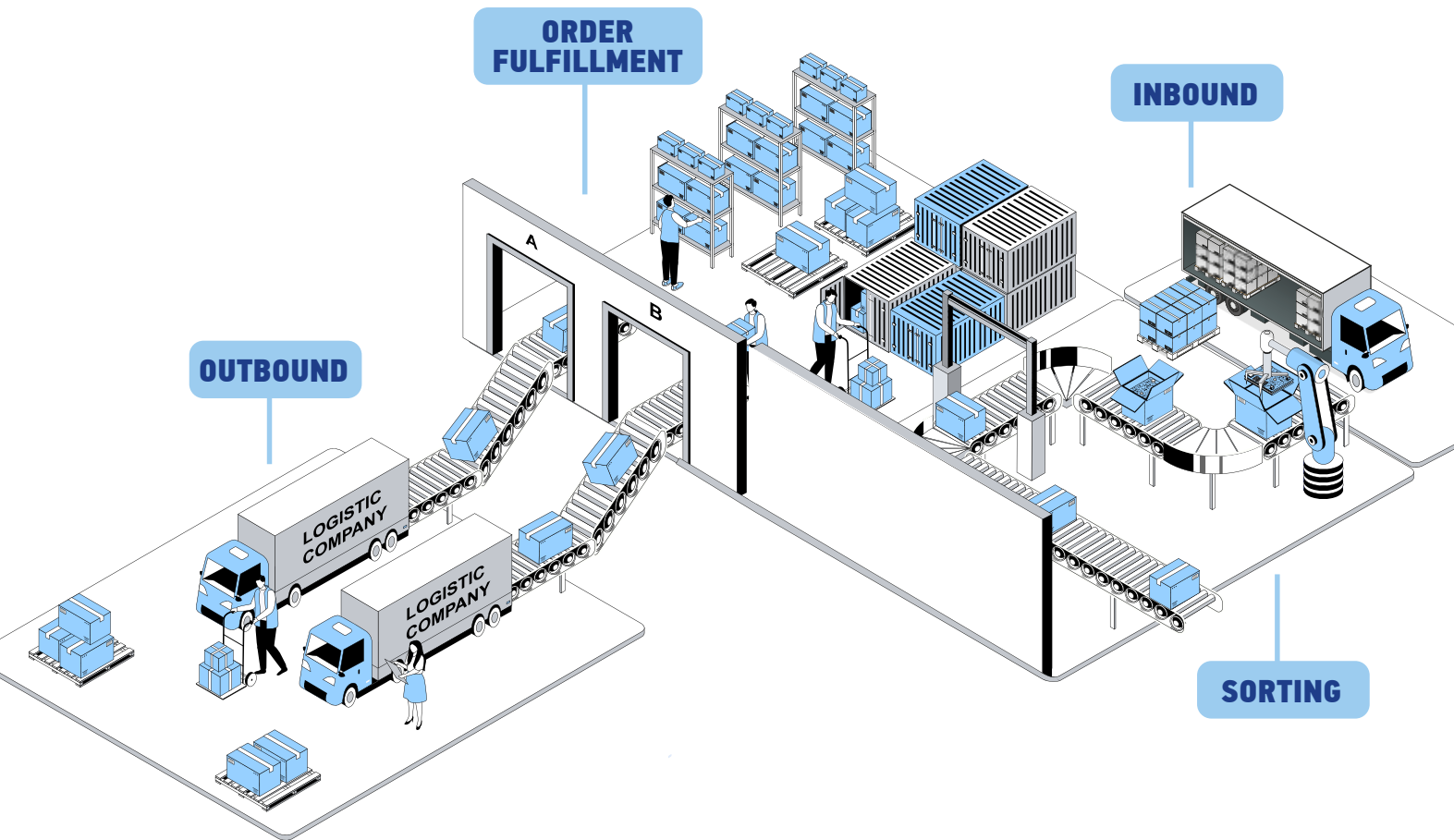


LOGISTICS AUTOMATION

Solution Guide



INDOOR LOGISTICS FOR E-COMMERCE



TRACEABILITY



- Allowing End-to-End traceability along the parcel journey



- From Goods Manufacturer to Final Customer full tracking in every moment



- 1D/2D codes reading for extended additional info

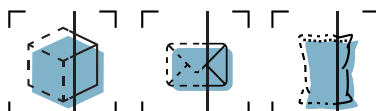
MORE THAN THE BARCODE



- Sensible Data Blurring



- Hazardous Materials Identification



- Parcel classification

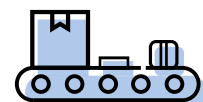
VOLUME MEASUREMENT



- Truck-load optimization based on precise parcel dimensions



- Improve revenue by invoicing on real parcel dimensions



- Improve sorting for large size parcel

WEBSENTINEL™ SOFTWARE SUITE

WebSentinel™ PLUS

WebSentinel Plus is a supervisory software solution for monitoring operational activities of reading devices through a single web browser based interface. It collects data from scan points over Ethernet network, presents the information flow and updates the database. Diagnostics and tracking reports are available periodically or on demand.

WebSentinel™ PLUS INVESTIGATOR

INVESTIGATOR is an upgrade to the WebSentinel Plus, suitable for Datalogic 2D Scanners (AV and Matrix series). INVESTIGATOR extracts value from parcels data by performing 'No Read' image analysis and providing automated recognition of the main 'No Read' root cause (no label, damaged label, obscured label, etc.).



SERVICES



EASEOFBUILD: Personalized solution design and installation

We work with you to design an installation that works best for your workflow and timing. Datalogic-trained technicians carefully install, configure and commission your solution to ensure optimum performance. During and on completion of installation, we also train your staff in all aspects of system use.



EASEOFPM: Keep equipment in top shape

Keep your equipment in top operating condition with our onsite preventative maintenance program. PM service not only increases equipment life but ensures that it always operates at peak efficiency and lowest cost. Our Datalogic-trained technicians thoroughly inspect all components, replace parts as needed, and ensure that the entire installation performs to standards.



EASEOFSUPPORT: Technical Support that fits your needs

For SIS Family get help fast with our 24/7 phone support programs. Datalogic can tailor a service-level agreement to your specific needs, with worldwide coverage, with add-ons to dispatch a technician should an issue require on-site assistance.



INBOUND

Datalogic powers every step of the inbound journey, delivering fast and accurate identification of all inbound goods: code, shape and weight.



1. FORKLIFT SOLUTIONS: MANUAL AND AUTOMATED

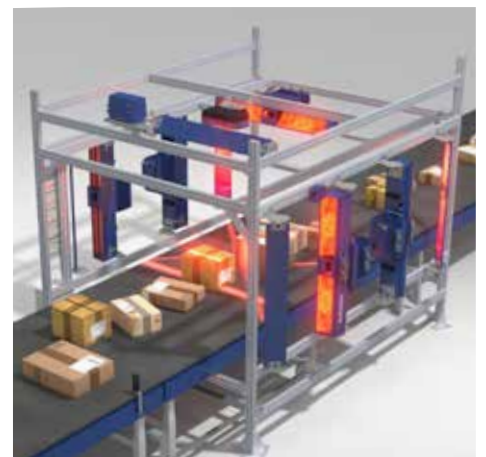


Eliminates manual entry errors: Forklift drivers don't have to key in pallet IDs or shipment numbers, reducing costly mistakes.

Real-time validation: Misrouted or mislabeled pallets can be flagged immediately, lowering rework, claims, and lost shipments.

From vehicle-mounted readers to handheld devices and cutting-edge barcode/RFID scanning, Datalogic technology offers unmatched versatility to power every aspect of your operations with precision and efficiency.

2. INBOUND TRACKING



Ensures faster and more accurate receiving, provides real-time visibility to the supply chain, reduces errors and disputes, and scales smoothly with peak demand. It's essential for maintaining speed, reliability. Automatic reconciliation: Barcodes (or other identifiers) can be instantly matched to expected inbound loads, reducing discrepancies.

WAREHOUSE - ORDER FULFILLMENT

Datalogic's key advantage lies in its flexible automation, which adapts to the unique characteristics of each product—automatically identifying the item type and dynamically adjusting its routing for optimal flow.

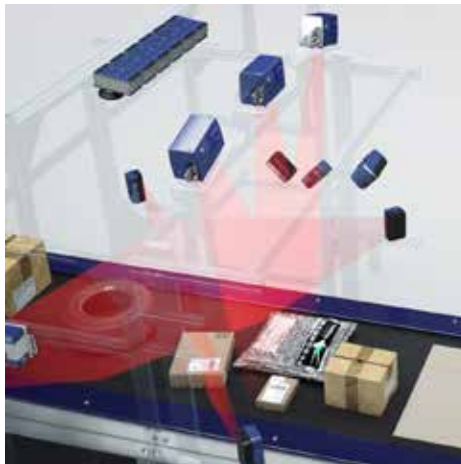


1. HANDS-FREE



Hands-free barcode scanning with manual handling makes inbound workflows faster, safer, and more ergonomic. Workers don't lose time or focus juggling scanners, while operations gain real-time accuracy, better throughput, and stronger visibility. In high-volume hubs, these benefits scale to millions of packages per day.

2. NON CONVEYABLES



MFDS systems address non-conveyable, non-singularized and touching parcels. Easier inbound freight, automating barcode scanning with integrated Legal For Trade volume measurement, MID and NTEP certified. Billing accuracy improvement and customer visibility while reducing labor strain and disputes. At scale, this automation is critical for handling the growing volume of oversize e-commerce shipments profitably.

3. TOTE TRACKING



Automated barcode scanning for tote tracking ensures that inbound containers are always accounted for, visible, and moving efficiently. This prevents lost inventory, speeds up inbound handling, reduces labor, and provides an auditable chain of custody. For large networks, it's critical to maintaining high accuracy at very high tote volumes.

WAREHOUSE - SORTING

Datalogic technology seamlessly integrates across all distribution equipment—including AGVs, forklifts, conveyors and cross-belts—ensuring consistent performance and efficiency throughout the entire logistics flow.

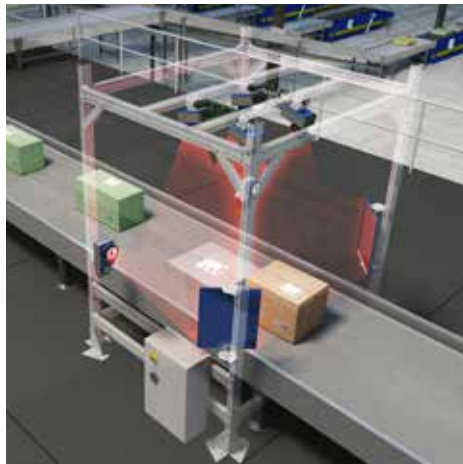


1. HIGH SPEED SORTING



Automated barcode capture in high-speed sortation enables massive scale, near-perfect accuracy, and end-to-end visibility while cutting labor, boosting safety, and ensuring customer satisfaction. It's the foundation of their ability to move millions of parcels daily with speed and reliability for the lowest labor investment.

2. CROSS DOCKING



Automated barcode scanning in cross-docking creates speed, accuracy, and visibility—ensuring freight flows seamlessly from inbound to outbound without costly detours. It reduces labor, errors, and claims while giving carriers the real-time data they need to promise fast, reliable service.

3. SORTING ON AGV



Automated barcode capture in AGV sorting ensures that every item is identified, validated, dimensioned legal for trade, and tracked as it moves autonomously. This drives accuracy, throughput, and safety, while giving operators real-time visibility and flexible scaling—critical in modern high-volume logistics and e-commerce warehouses are replacing manual sorters and static conveyors with robotic fleets.

OUTBOUND

Maximize throughput across all sorting technologies while ensuring complete shipping traceability and control for end-to-end operational excellence.



1. DIMENSIONING, WEIGHING, SCANNING (DWS)



Automating outbound DWS ensures that every parcel or pallet leaves the facility with verified barcode, weight, dimensions, and timestamp. This protects revenue, speeds outbound flow, reduces errors and disputes, improves safety, and provides real-time visibility to carriers and customers. It's a critical step for logistics and high-volume warehouse to maintain both profitability and service quality. Legal for Trade, available both MID and NTEP certifications.

2. PALLET TRACKING



Automated barcode scanning for outbound pallet tracking provides speed, accuracy, safety, and visibility at the final, most critical handoff in the warehouse. It ensures the right pallets go to the right trailers, creates a rocksolid audit trail, reduces costly errors, and gives customers real-time confirmation that their freight is en route.

3. TRUCK LOADING



Automated barcode scanning during outbound truck loading ensures that the right freight goes onto the right truck, with speed, safety, and full digital traceability. It eliminates costly misloads, accelerates departures, improves cube utilization, and provides real-time visibility to both carriers and customers.

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 320X Premium** available: can capture and process twice as many images as the standard version in a given time period



AV500/AV900

- High performance 2D camera
- AV500=5MPx, AV900=9MPx
- White and Red lighting options
- Dynamic focus
- Item speeds up to 2.5m/s
- Dedicated Gigabit Ethernet port for image savings in Multiple formats
- Advanced barcode decode algorithm

1D IMAGER READERS



BLADE

- 1D code reading
- Embedded Ethernet connectivity
- Two Ports Profinet and ETH-IP
- M12 rotating connector
- Compact dimensions
- Excellent performance on low quality and damaged labels
- BLADE 100: Up to a 310 mm (12.2 in.) reading distance
- BLADE 200: Up to a 600 mm (23.6 in) reading distance



DS8110/DX8210

- Ethernet Bus Connections (EBC) for high-speed data transmission and real time synchronization
- Excellent performance on low quality code and unpredictable reading conditions
- Fully redundant configuration and no single point of failure



AV7000

- High speed linear camera
- 8k and **NEW12k resolutions**
- High density barcodes down to 5mil
- Belt widths up to 1600mm.
- Single view high quality images
- Patented Autofocus System offering extended DoF
- Patented PLS technology, reducing system footprint by 50%

NEW

DIMENSIONERS & SYSTEM INTEGRATION



DM3610

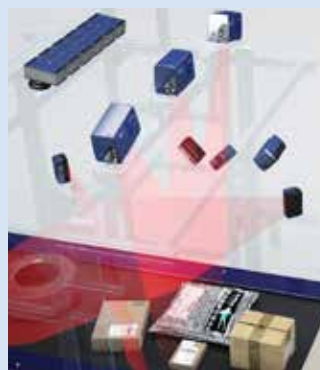
- Ultra-high performance, in-motion, overhead dimensioning unit
- Automatically measures the length, width, and height of packages
- Performs highly accurate measurements
- Perfect solution for spatial management applications



SC5100

- Laser (DS-DX), Imagers (AVs), Dimensioner Native Integration
- 4 GB ETH embedded switch
- 5 inch Graphical Color display and Clear Status LEDs
- Supports Full Redundant Controller Layout

MFDS (MASS FLOW DETECTION SYSTEM)



MFDS

- **Detect** items when touching or running side by side on large conveyor belts (up to 1.5 m)
- **Dimension** items, regular or irregular shaped, LFT certified measurements
- **Decode** barcode information on labels and merge it to the respective item
- **Depict** items by capturing and saving respective images

SOFTWARE AND TOOLS



WebSentinel PLUS

- Very advanced monitor
- Offers key features, benefits, and insights to end-users and System Integrators specializing in Factory Automation and Transportation and Logistics.



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

INDUSTRIAL HANDHELD SCANNERS



PowerScan 9600

- New **1D/2D Auto Range series** with extra long range capabilities
- **Standard Range (SR) and High Performance (HP)** for standard / high resolution code
- **Document Capture (DC)** for color image capture
- Superior omnidirectional reading on 1D/2D codes
- Rugged device to withstand drops from 2.5m/8.2 ft (in addition to IP65 and IP67 sealing ratings)
- Wireless Charging reducing total cost of ownership
- Modular cradle design for multiple connectivity, comprising Ethernet and industrial fieldbus
- High visibility OLED Display with 4-Keys / 16-Keys keypad options
- Datalogic's 3GL™(3 Green Lights) technology, vibration and loud beeper for good-read feedback



PowerScan 9600 RFID

- Scan 1D/2D barcodes, and Digimarc
- UHF RFID Read/Write capabilities
- Capture and transfer color images
- Full keypad and large display option
- Ultra-reliable charging system based on inductive charging technology

