# E-COMMERCE

## Solution Guide



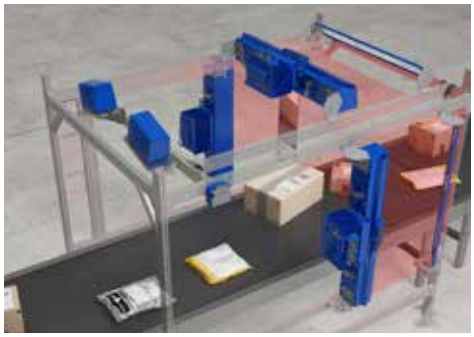
DATALOGIC
EMPOWER YOUR VISION

# THE E-JOURNEY



### A new business model

The Covid-19 pandemic has had a massive impact on how we do business, including our purchasing methods. Online shopping and e-commerce demand has gone through the roof. A decade ago, we felt the effects of the so-called "Amazon effect". However, we have now exceeded all predictions of our hunger for e-commerce. This trend will only continue to accelerate over the next 5 years.



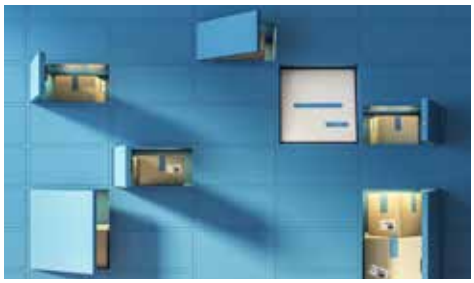
### Supply chain complexity

Rising e-commerce is having an increasing impact on retailers, including those businesses with established "brick and mortar" networks of stores within assigned territories. Supply chain complexity has increased dramatically and the concept of "omnichannel" is now a "must have" component of companies' logistic strategies. It is worth noting that most of the well-known retail brands that already have well-established physical store networks will move up to 50% of their business to online sales over the next 5 years. "Click and collect", "home delivery", "try before you buy", "drive-through", and "PUDO" are some of the choices available to consumers today for a more enhanced customer experience.




### The new challenge of returns

A traditional logistic center is a fantastically complex structure, designed to accept items in an inbound area, splitting and recombining them according to order fulfillment requirements, and finally preparing the outbound product stream for shipment. This seemingly one-way flow is not always a natural fit with the opposite stream of returned items. The cost of managing returns is sometimes too high in comparison to the original item value, implying that it would be easier to ship the customer a replacement item, and not bother with the return. However, in most situations, processing a return is a value-added feature, one that is highly appreciated by customers, as they consider it a way to "try before you buy". It's a great way for retail vendors to leverage sales and increase customer trust and retention.



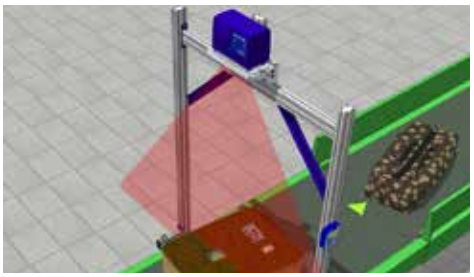
### Two-way direction of product flow

E-commerce presents a fundamental shift in how consumers shop. Instead of firms pushing cases and pallets to physical stores, e-commerce has consumers pulling customized baskets to their desired location, whether at home, a nearby store, or other convenient location such as a locker. This push-to-pull transition has created a structural change in underlying supply chains, and the movement of products, location of assets, delivery modes, and the enabling technologies and analytics have also adapted.



## Dimensioning

Detecting the physical volume of shipped items is a fundamental requirement for most e-commerce supply chain stakeholders. The dramatic increase in the number of shipped items (parcels, bags, flats) and their average reduced dimensions makes the volume calculation a critical feature for the following reasons: improved shipping efficiency (truck loading), revenue recovery and secondary packaging optimization. Datalogic provides an off the shelf high-speed dynamic Legal for Trade dimensioning solution.



## Fulfillment

Order fulfillment is at the heart of any Distribution Center. It is achieved in several ways, from manual picking of individual items in the warehouse, to automated sorters that provide throughputs upwards of 20,000 items/hour. Order fulfillment is paramount as it impacts every aspect of the Distribution Center, given that it needs be accomplished in the shortest possible timeframe. During peak seasons in particular, order fulfillment triggers many processes and requires buffer areas with dimensions based on forecasts and predictions. Huge amounts of data have to be processed to keep up with the various automated data capture processes (storing, picking inventory, etc.). Order fulfillment is much more than the sum of its parts.



## Sorting and shipping

If order fulfillment is the core application inside a Distribution Center, then sorting and shipping are its direct counterpart within a logistic hub: the order is fulfilled, the packages are complete, and the next step is to move the items from inbound to outbound in the quickest and most efficient way.



## Last mile delivery

As the item moves into the final step of its journey to the end customer, last mile delivery becomes the single most important activity. This involves two steps: route optimization for efficient delivery (for both cost and time savings), and POD (Proof of Delivery) to provide the necessary confirmation that items have reached their destination. Using a rugged portable device with a wide screen and an up-to-date OS is the ideal choice for completing last mile delivery.



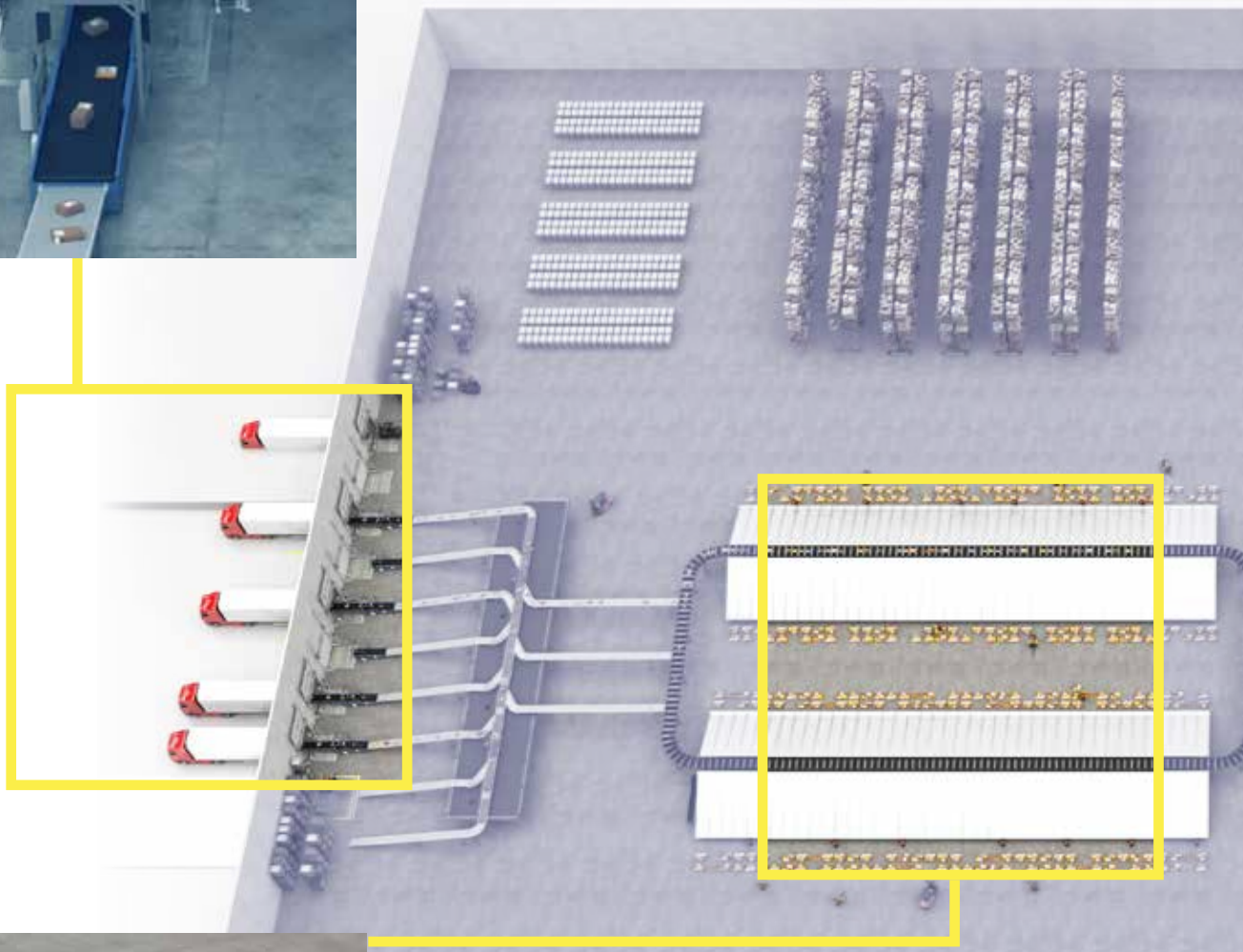


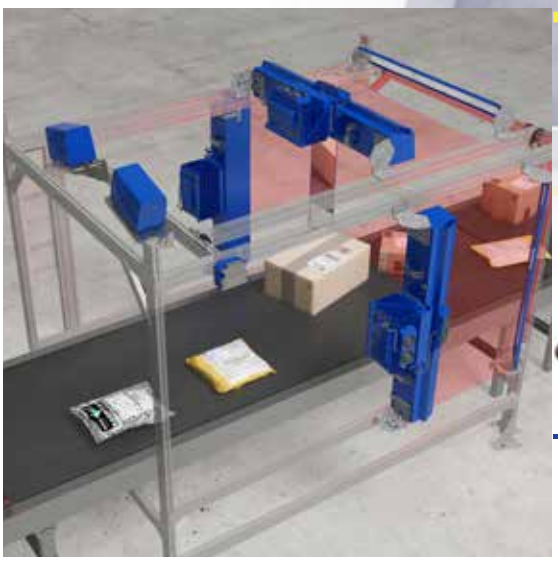
# INDOOR LOGISTICS FOR E-COMMERCE





## INBOUND





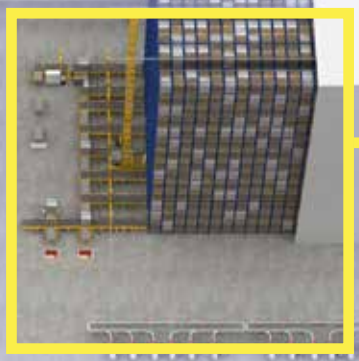


## SORTING





## ORDER FULFILLMENT









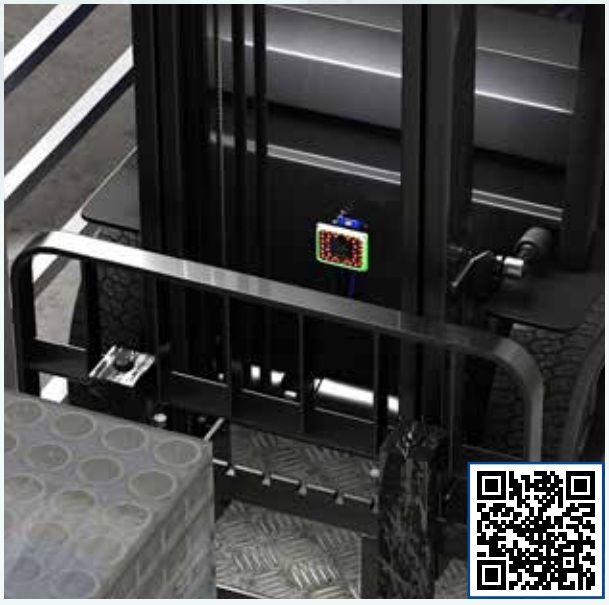
## OUTBOUND

# INBOUND LOGISTICS

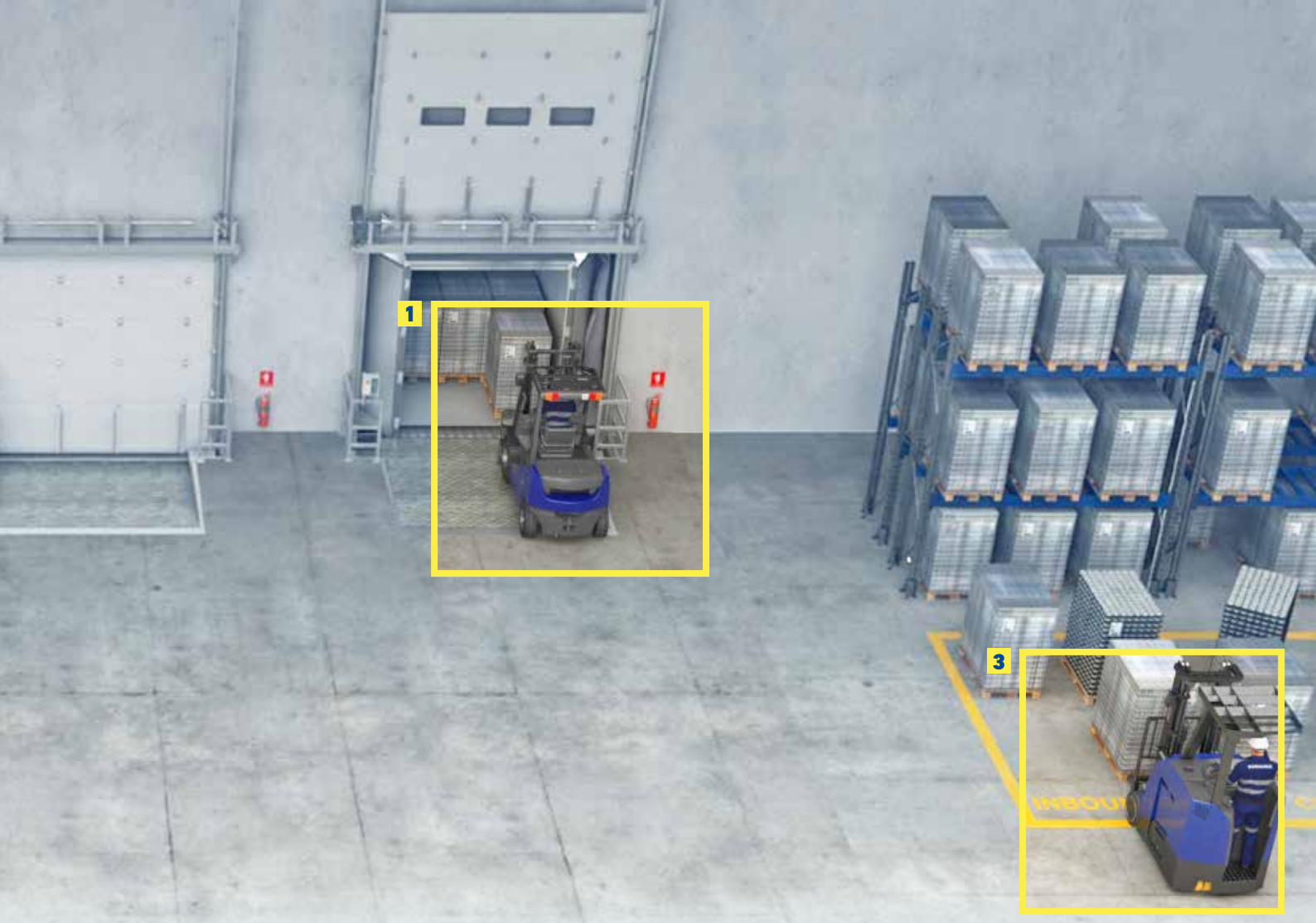



## 1. FORKLIFT SOLUTIONS: MANUAL AND AUTOMATED





Forklifts are used in many areas of a Distribution Center. When equipped with AutoID devices, they increase productivity enormously. The PowerScan™ reader combined with the Rhino™ II VMT, and a Matrix 320™ between the forks, is the complete solution for fast and seamless data capture.




## 2. TRACKING, DIMENSIONING, WEIGHING



Unloaded parcels are dimensioned and weighted; thousands of parcels are automatically handled and classified based on dimensions and weight. The captured data can be used for quality checks or storage optimization. The DM3610 in combination with the Matrix 830-930 is the perfect solution.

Inbound areas are also dedicated to returned items that are traced and positioned into the warehouse, once accepted by the quality check process.

## 3. PALLET ACCEPTANCE & CHECK



Received goods must match with the relevant purchase order: this is the main priority in the inbound area, together with quality checks; the Falcon X60/65 mobile computer is the perfect device, with its wide and bright display, and the capability to take pictures for recording any quality issues.

# ORDER FULFILLMENT: PICKING & SORTING




## GOODS TO PERSONS

### 1. AUTOMATED PICKING



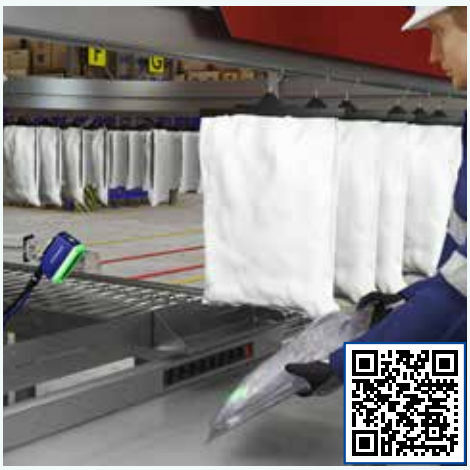
When using the Goods to Persons (GTP) strategy, the operators work in dedicated areas and the goods reach the areas by means of automated material handling solutions (Mini-loads, AGVs or AMRs). The items are identified and placed in the final or temporary package.

### 2. HANDS-FREE

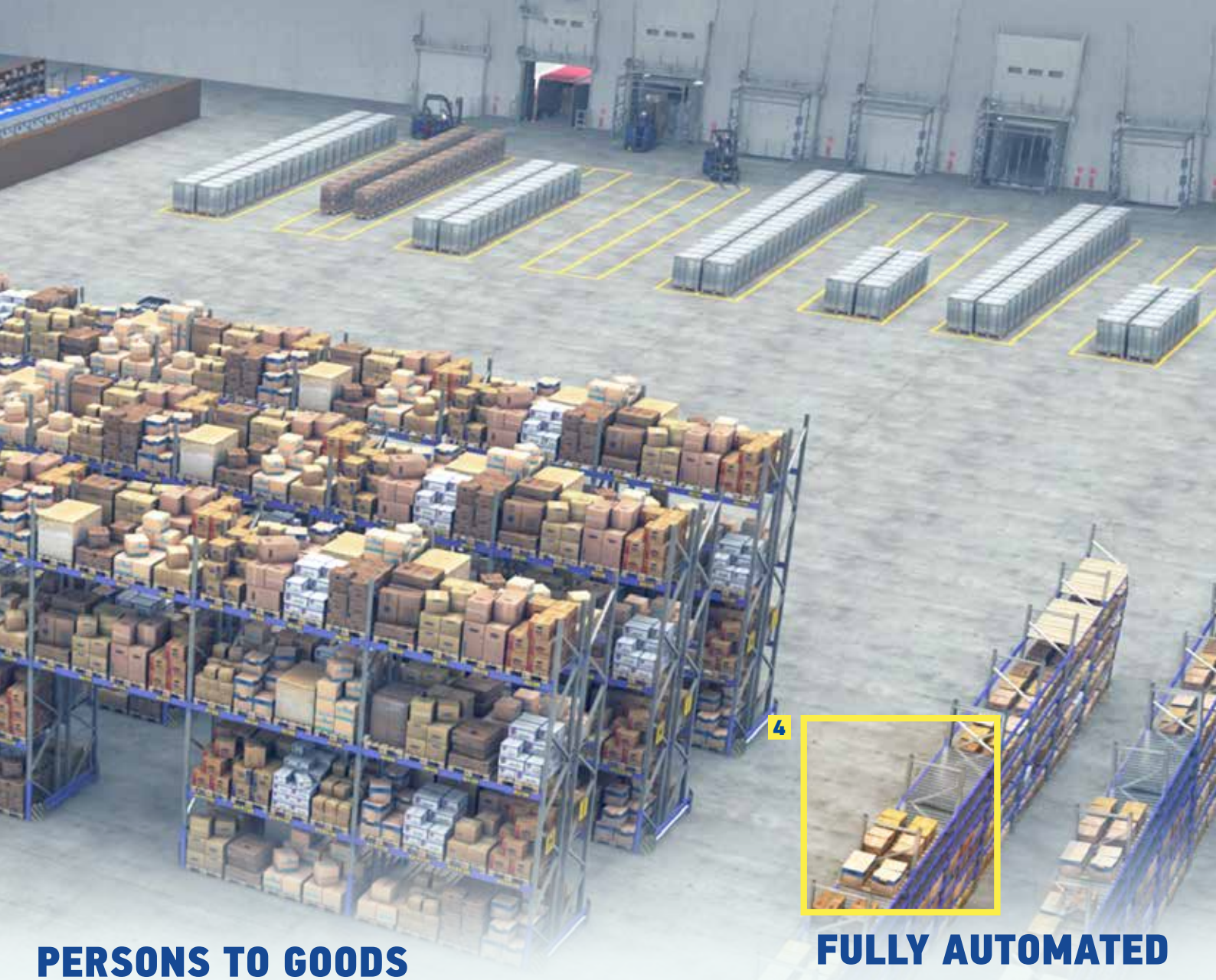


Hands-free is often used in order fulfilment, as it is flexible and easy to be implemented. A portion of the sorter is dedicated to e-commerce and the operator prepares the order in a fast and productive way, as physical handling of the item is not needed when scanning the barcode.

### 3. POCKET SORTER



Pocket sorters are often used as a flexible temporary buffer to manage seasonal peaks and e-commerce returns. They are the ideal link between the different areas of the DC. The Matrix 320 in hands-free mode is the perfect answer to pocket sorter loading and peaking requirements.




# PERSONS TO GOODS

# FULLY AUTOMATED

## 4. PICK TO LIGHT



Pick to Light (PTL) is another typical picking process: the operator manually picks the items by following a light indication. The picking is confirmed by either pushing a button or scanning the location barcode with a Datalogic wearable device.

## 5. MANUAL PICKING



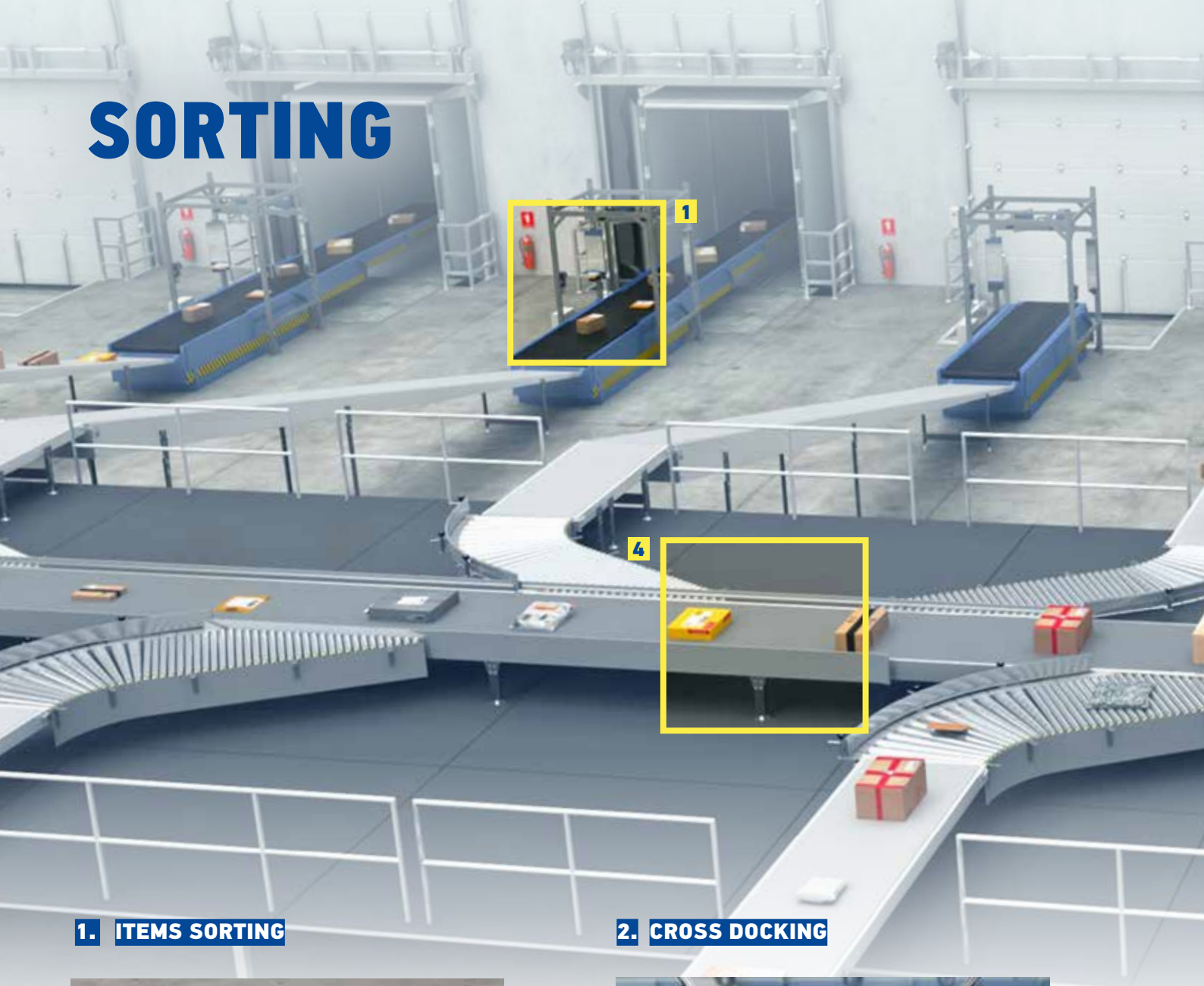
Picking is the first step of the order fulfillment process, where the operator's mission is to complete the picking list as quickly as possible and without errors; the Falcon X60-65 is the ideal device for this task, as it combines superior keyboard readability with optimized key spacing, ensuring high efficiency even for workers wearing gloves.

## 6. TOTE TRACKING

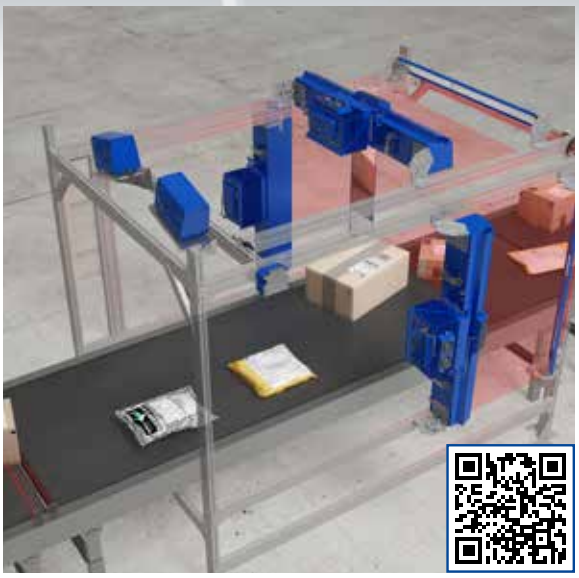


An automated sorting process is the best way to manage large volumes of items. The Blade Series is a paradigm shift in 1D decoding, utilizing an integrated powerful imaging processor. High read rates are achievable, even when challenges associated with damaged, low-quality or worn-out labels are par for the course.

# SORTING




## 1. ITEMS SORTING

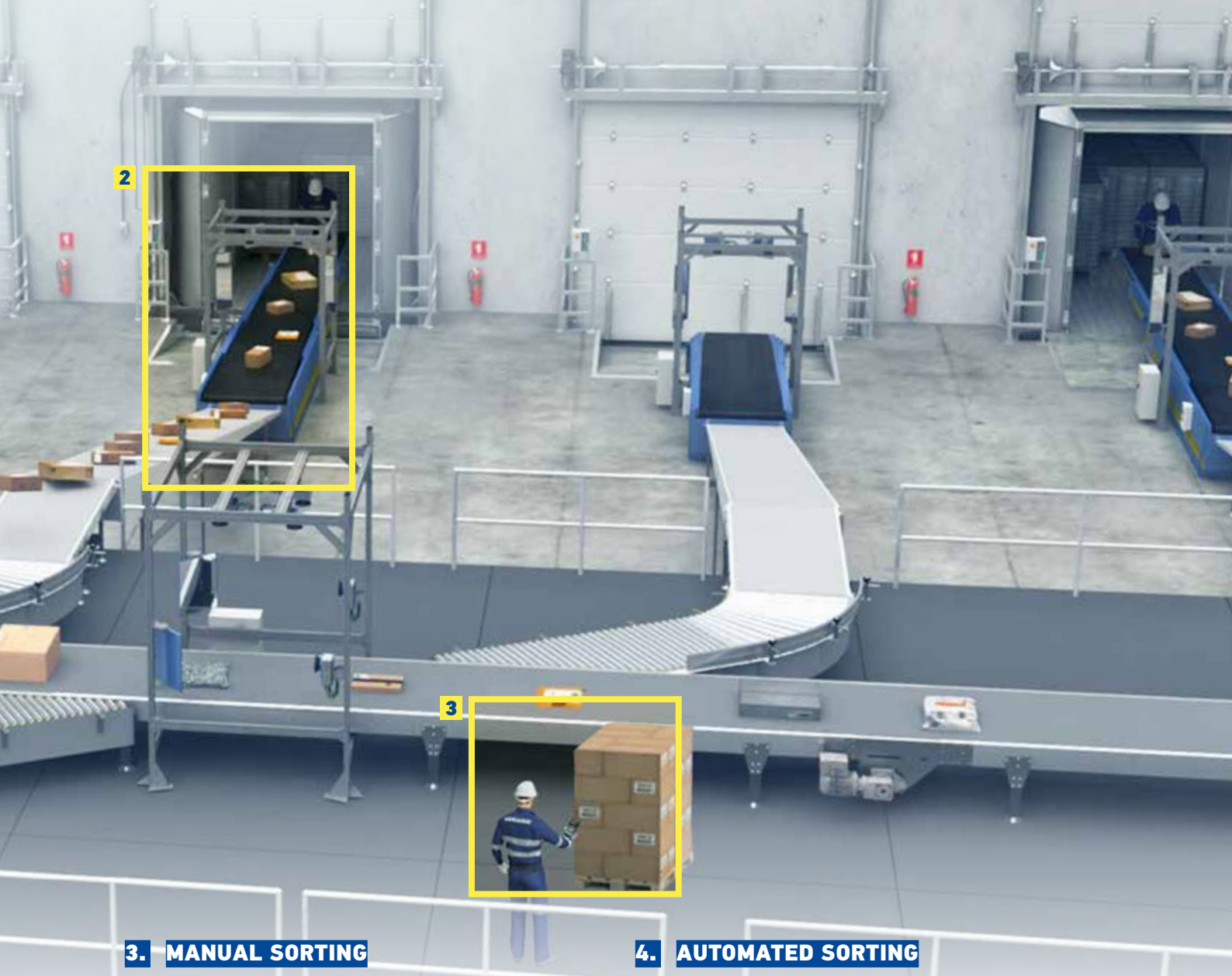


High-speed sorting is the core application in a logistic hub, where several thousands of items are sorted hourly, on a 24/7 basis. A multi-side reading station, based on the AV7000 is the state-of-the-art solution for this type of applications. The AV7000, in combination with the DM3610, offers high-speed parcels reading and dimensioning.

## 2. CROSS DOCKING



Cross docking is a typical application of logistic centers, where inbound and outbound processes are streamlined and warehousing is bypassed. This process can be performed manually or through automated systems (such as shoe sorters), leveraging high-performance readers like Matrix 830-930 to ensure fast, reliable, and traceable material flow.

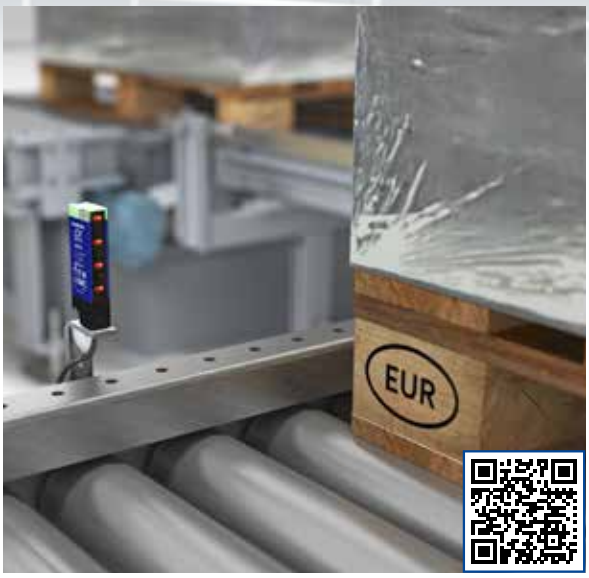



## 3. MANUAL SORTING



Most logistics hubs are performing manual operations and the data capture can be achieved in several ways. A wearable scanner in combination with a mobile computer offers several benefits, including fast and seamless barcode reading, with easy and complete feedback via the Memor™ 30, connected to the Datalogic's CODiScan via Bluetooth®. If preferred, the operator could opt to use a more traditional keyboarded mobile computer such as the Skorpio X5.

## 4. AUTOMATED SORTING




The wide variety of items that can be sorted on conveyors makes their detection extremely challenging. CR0 polarized area sensors can reliably detect any type of object, including transparent and irregular ones. With only one active unit, the CR0 can be quickly deployed in large installations.

# OUTBOUND LOGISTICS




## 1. PALLET PREPARATION



Pallet preparation is the final activity prior to shipment and offers the last opportunity to identify and remedy any errors before the product leaves the the “4 walls” of the Logistic Center. The Matrix 320 stationary industrial imager, with its wide field of view that offers a great tolerance in the label positioning, is the perfect device for pallet traceability. The 360° light feedback gives an immediate indication on the reading result, visible from long distance and even in very bright ambient conditions.

## 2. PALLETIZING - MACHINERY SAFEGUARDING



The extreme flexibility of the SH4 allows the safe passage of material by adapting to its size, direction and speed. For increased safety, the part of the light curtain to be muted can be limited to a fixed area or automatically adjust to the height of the material.





## 3. TRUCK LOADING



In the outbound area, pallets need to be identified before leaving the Distribution Center (DC): a wide reading area coverage is needed, as numerous barcodes are typically distributed on one or more pallets. Thanks to its big 28 MP CMOS sensor and dynamic focus, Matrix 830-930 perfectly matches these needs.

## 4. SHIPMENT



When an item leaves the Distribution Center, destined for delivery to an end user, a restaurant, or a shop, it is important to record this transition, as it is during this phase that the item property changes. The Memor™ 12-17 is the perfect solution.

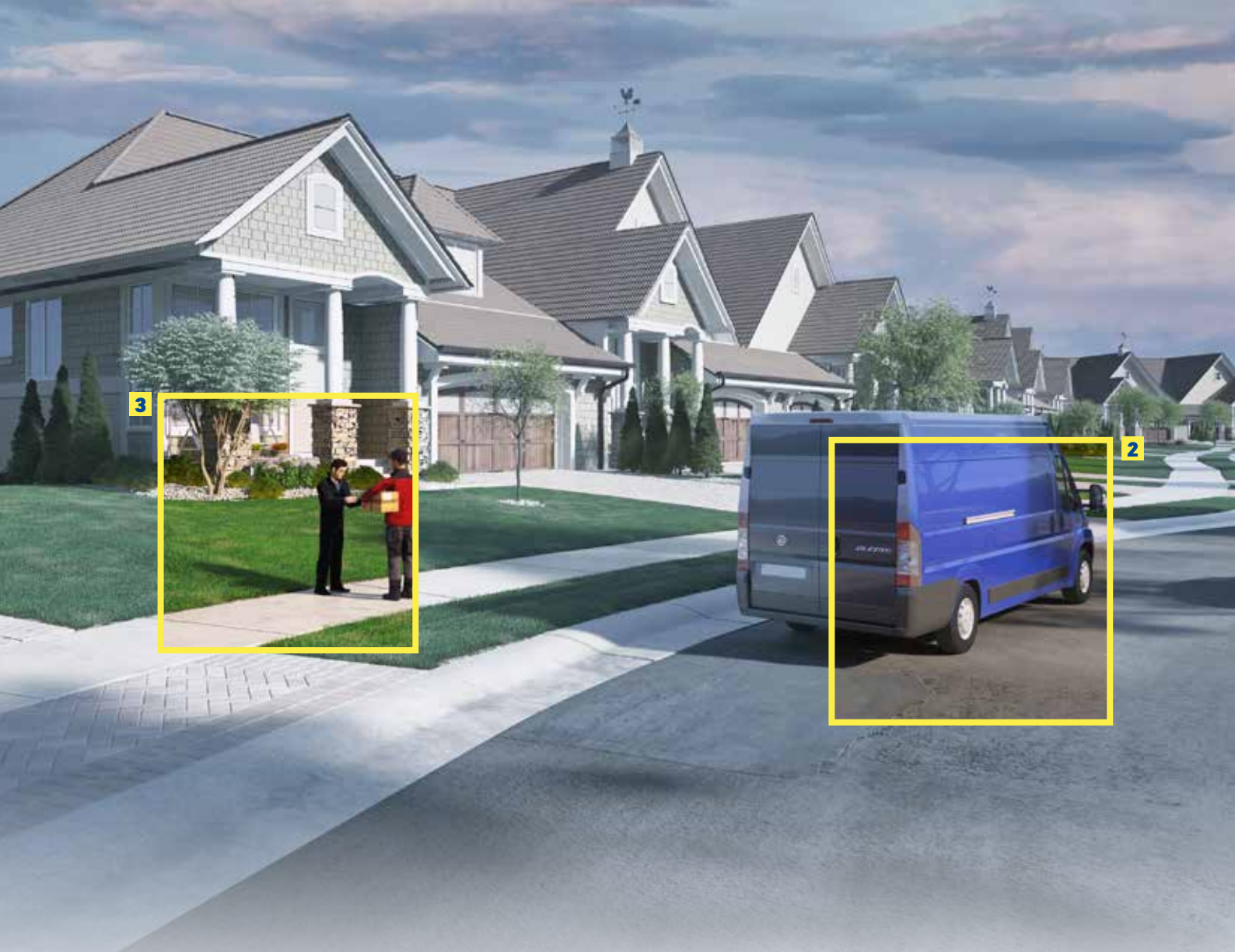
# OUTDOOR LOGISTICS




## 1. PROOF OF SHIPMENT



This is the beginning of the last mile delivery process. A driver takes the parcels and notifies the WMS by using their Datalogic mobile computer. This step avoids any possible disputes on item responsibility / delivery and is typically a value-added feature of the logistic center ERP.




## 2. ROUTE OPTIMIZATION



Delivery is an expensive process for e-commerce companies: everybody is thinking of how to keep these costs under control. Route optimization is the key to making the business profitable. A mobile computer such as the Memor 30-35 is valuable both to optimize the delivery and to easily communicate to the driver.

## 3. PROOF OF DELIVERY

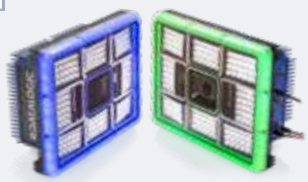


At the end of last mile delivery, the Proof of Delivery (POD) is the very last step of the journey. The Memor 17 is the ideal solutions to identify the goods and collect customer signatures. A similar, opposite sequence is the starting phase of returns in reverse logistics.

# PRODUCTS PORTFOLIO

## STATIONARY INDUSTRIAL SCANNERS

### MATRIX 830 - MATRIX 930



- Wider field of view and higher-resolution imaging, allowing one reader to cover belt widths that normally require multiple devices
- Beyond Barcode capability on board (Premium version) enables Hazmat recognition, parcel inspections, OCR
- Advanced PackTrack technology enables accurate code reading with very small item gaps, maximizing throughput and efficiency

### 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
- Configurable 360° multicolor visual feedback
- Liquid lens remote focus control for extreme flexibility in production

### AV500/AV900



- 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

### 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 footpring by 50%

## MOBILE COMPUTERS

### JOYA SMART & JOYA SMART+



- Processor & connectivity: Qualcomm 4490 | Wi-Fi 6/6E, BT 5.3
- Scanning: Halogen™ DE2121-DL with Green Spot and Auto Scan mode
- Wireless charging: no contacts, less downtime
- Tap & Go: fast NFC payments
- Smart Cart Mode: AI vision to validate items and flag re-checks
- GS1 Digital Link reader: Shoppers can scan product GS1 Digital Link ready QR codes to view real-time, screen-displayed information
- Vibrant 5-inch display for a fully immersive shopping journey

### DATALOGIC SMART PORTAL



- Instant self-shopping start with fast customer identification and automatic device unlocking
- Fewer queues and faster service thanks to multi-function self-service capabilities
- Real-time price and product verification with fast, accurate Datalogic scanning
- AI-ready insights at the store level to detect risks and optimize operations instantly
- Flexible deployment anywhere with PoE or standard power and VESA mounting

### FALCON X60-65



- Largest display in its class with a 4.3" WVGA with Gorilla™ Glass 7
- Uncompromised durability (IP65/68 and 2.4m/8ft drop) and wireless charging option for lower TCO
- Enterprise-grade processing and connectivity with Wi-Fi 6/6E and 5G
- Android™ 15 with AER and GMS (upgradeable to Android 19)
- Advanced capture with TrueAim™ technology and Extra-Long range with Green Spot visual feedback
- Choice of 3 keyboards optimized for flawless typing even with gloves
- Empowered by Datalogic Connect and compliant with main MDMs and TE

### SKORPIO X40-X45



- Lightweight design and comfortable handling for extended shifts
- Enterprise-ready computing platform QC4490 with Wi-Fi 6/6E and 5G
- Precision scanning and intuitive Green Spot visual feedback
- Versatile data entry with choice of 3 keyboards and field adaptability
- Wireless charging option and eco-system of accessories' continuity
- Field-detachable handle for added operational flexibility

## HANDHELD SCANNERS

### POWERSCAN 9600 SERIES




- Standard Range (SR) and High Performance (HP) for standard / high resolution codes
- 1D/2D Auto Range series, able to scan at very short distances up to very far barcodes
- Wireless Charging technology
- Center of gravity design and modular cradle design for multiple connectivity

### GRYPHON™ 4600 SERIES



- Ecodesign, lower carbon footprint
- Double camera, from near to far, fast reading
- Configurable white/red illumination
- Wireless communications and wireless charging
- Battery and supercap power packs, long lasting

## FIXED RETAIL SCANNERS

### MAGELLAN 900i



- Advanced digital imaging provides excellent performance and reliability
- Quickly reads 1D and 2D barcodes, whether printed or displayed with Greenspot™ technology
- Subtle, adaptive illumination for user comfort
- Compact, ergonomic design is ideal for hands-free or handheld operations
- Image capture and adjustable stand

## 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 to a 310 mm (12.2 in.) reading distance
- BLADE 200:
  Up to a 600 mm (23.6 in) reading distance

## 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

## 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.

## MEMOR™ 30/35 family



- Complete range of mid-tier mobile computers with top data capture performance: 2 scan engines with a range up to 10mt, front/rear camera, green spot good read technology
- Qualcomm 2.4 GHZ Octa core platform, 5G and WIFI 6E, Android 13
- 6" display, 12h swappable battery, multiple modular charging solutions, full accessory range
- IP68 dust and water protection, wireless charging battery and cradles, full software suite to enhance optimization, deployment and protection of the asset

## MEMOR™ 12/17 family



- Effortless scanning at fast pace in any environment with Green Spot technology
- Reliable and stable connectivity in crowded environments: Wi-Fi 6/6E, Bluetooth 5.3, 5G + Qualcomm 4490 platform
- Rugged and high-quality display: 6" inch capacitive multi-touch, FHD+ display, GG7
- Ultimate flexibility with three different charging options: USB-C, Wired cradles, Wireless cradles
- Quick and Effortless Payments with Multi-Side NFC reading technology

## CODISCAN



- Flexible Bluetooth wearable scanner with multiple comfortable mounting options: hand, neck, belt/pocket
- Small, lightweight super reliable device
- 2 working shifts and up to 12,000 scans with a single charge
- Best-in-class scanning performances reduce TCO: 1D/2D Datalogic decoding library, smart-aiming system, Green Spot, 3 high-visible LEDs, audio and vibration feedback

## RHINO II™ and SH15/SH21



- 10 ,12, 15, 21 inch high resolution color display
- Operating System: Windows 10 IoT or Android 7.1
- Capacitive multi-touch screen with gloves support or resistive touch screen for cold/freezer environments

## MAGELLAN 1500i



- Advanced digital imaging provides class-leading performance and reliability
- Seamlessly reads 1D and 2D barcodes, whether printed or displayed on mobile phone, laptop or tablets
- Compact, ergonomic design for hands-free or handheld operations

# OEM BARCODE READERS

## MAGELLAN 900i OEM



- All digital imaging provides excellent performance and low TCO
- Quickly reads 1D and 2D barcodes from printed or mobile sources with Greenspot™ good read confirmation
- Dedicated OEM mount for easy kiosk or self checkout integration

## MAGELLAN 3600Vsi



- Advanced digital imaging provides class-leading performance and reliability
- Seamless 1D, 2D, GS1 Digital Link, OCR, and Digimarc® digital watermark reading
- Subtle, adaptive illumination for user comfort
- Software driven - flexible and upgradeable
- Read and write UHF RFID Tags
- Color video and color image capture
- Checkpoint Systems and Tyco Sensormatic EAS compatible
- Cable retention harness
- IoT Remote Management Platform for diagnostics, SW upgrades, and configuration
- Available Magellan Customer Service Scanner (CSS) with omni-mount for reading cell phones, coupons and loyalty cards

## GRYPHON 4500 FIXED SERIES



- Easy to integrate – Compact size
- Easy to use – Superior good read feedback
- Built to last – 5year warranty
- Wide Angle 1 MP optics – High motion tolerance

# PRODUCT PORTFOLIO by DATASENSING

easing automation challenges

## MACHINE VISION

### P2X-SERIES



- Field replaceable illuminators, lenses and filters
- High computing power
- 360° visual feedback

### P3X-SERIES



- High-end smart camera providing state of the art computing performance. With resolutions up to 5MP, P3x enables high-accuracy Quality inspection and measurement applications.

## SENSORS

### S5N IO-Link



- First tubular sensor line with all optic functions and IO-Link V1.1 smart sensor profile on the market becoming a reference point for the Industry 4.0.
- All the basic optic functions available
- M18 flat plastic with universal mounting or available in M18 metal housing
- Axial or radial optics, cable or connector

### S100 IO-Link



- Universal Miniature Photoelectric Sensor
- Cost saving: best price on the market
- Space saving: standard miniature dimension and universal mounting
- Time saving: quick and easy mechanical and electrical installation

### S3N IO-Link



- High performance in standardized miniature housing
- Replaces larger sensors and fits in limited space in smaller machinery
- Miniaturized fast and precise mark reader is also available

### S300-PA/PR



- Heavy duty, multi-voltage sensors with terminal block and internal relay
- Durability for integration in outdoor applications and harsh environments

## SENSORS

### CR0/CR1/CR2



- Control heights from 69 mm to 310 mm
- Sensing distance up to 4.5 m
- Adjustment with Teach-in button
- Optical pitch 10 mm
- PNP and NPN outputs
- Blanking function

### S65-M IO-Link



- Cost-Effective Long-Range Background Suppressor with Time Of Flight (TOF) technology and Infrared emission
- Risk-free Infrared LED emission and embedded green LED pointer
- Two independent fully programmable outputs

### S85



- Long distance sensor based on TOF
- Accurate controls based on a target object distance and improved cost saving
- Measuring range up to 10m or 20m [32.8 - 65.6 in]
- 1 mm resolution, 7 mm [0.02 in] accuracy, 1 mm repeatability

## SAFETY AND GUIDANCE

### SH4



- Safety Type 4 (Pl=e, SIL3)
- Resolution Finger 14 mm; Hand 30mm; Body 2, 3, 4 beams
- Zero dead zone on all finger/ hand resolution models
- Controlled heights from 300 to 2250 mm (n x 150 mm)
- Operating distance: Finger 10 m; Hand 20 m; Body 70 m

### SH4 ACTIVE/PASSIVE



- Safety Type 4 (Pl=e, SIL3)
- Resolution Body 2, 3, 4 beams
- Controlled heights: 500/800/900/1200 mm
- Operating distance: 2/4 beams: 8 m; 3 beams: 6.5 m

### SLIM



- SLIM profile: 15 x 32 mm [0.6 x 1.2 in]
- 34 different protection lengths, with 30 mm [1.1 in] modularity from 150 to 1200 mm
- Cascadable up to 3 units

### LASER SENTINEL MASTER/REMOTE



- More than 72 m2 safely monitored, with 5.5 m / 180.4 ft over 275°
- Minimum response time: 62 ms
- High detection performances in compact size
- Advanced dust filtering
- Dimensions (w,d,h): 102 , 112.5 , 152 mm

## MX-E-SERIES



- Multi-camera vision processors
- GigE Vision camera connectivity
- Four different models with different processing capabilities

## MX-G2000



- Industrial vision processor with PEKAT VISION deep learning
- The MX-G2000 integrates the 12th generation INTEL chipset and NVIDIA RTX GPU providing the highest computing power to run both PEKAT VISION deep learning and IMPACT rule-based algorithms

## PEKAT DEEP-LEARNING SOFTWARE



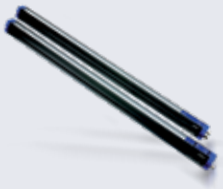
- Software solution based on proprietary advanced deep-learning algorithms and neural networks
- Ease of use and wide hardware compatibility, with preferential hardware being the MX-G2000
- Universal application for various solutions in quality control and defect detection

## AS1/DS1



- High resolution area sensor
- Detection and measurement of small objects crossing the area, even in a random positions

## DS2



- Dimensional sensor with extended controlled heights
- Set controls based on height or width measurement and object positioning

## DS4



- Controlled heights from 300 to 3000mm
- 5, 10 or 25mm pitch
- Operating distance up 13m
- Crossed or parallel beams
- Opaque and Transparent detection
- Outputs: analogue and digital, RS485, Ethernet TCP/IP
- Fully configurable via IO-Link or through WiFi with GUI

## CX0/CX2



- Control heights from 160 mm to 960 mm
- Sensing distance up to 6 m
- Pitch 5 mm, 10 mm, 20 mm
- PNP and NPN outputs, 0-10 V and 4-20 mA analogue outputs and PNP and 0-10 V outputs
- Adjustment by teach-in via cable
- Blanking function

## TL46 IO-Link




- High resolution, White, Red or RGB emission, very fast response time
- Thanks to its new Low jitter models performs very precisely in packaging machinery and synchronization based mark detection, even in extremely fast processes

## LD46



- UV high power emission LED with high sensitivity
- Precise packaging machinery synchronization or material sorting and selection based on luminescent “invisible” mark detection

## SMART-VS




- The smart vision sensor enabled with A.I. and empowered by machine learning assisted setting algorithms.
- Simply clever solution for all your presence and orientation object detection applications

## LASER SENTINEL PROFISAFE



- More than 72 m2 safely monitored, with 5.5 m / 180.4 ft over 275°
- Control system integration in profinet/ profisafe
- Up to 8 simultaneous areas monitored with 70 zone set
- High detection performances in compact size (w,d,h): 102 , 112.5 , 152 mm
- Dynamic reference points
- Advanced dust filtering

## LIDAR GUIDANCE SCANNER

### LGS-N50



- High performance lidar guidance scanner
- ToF technology on infrared laser
- 2D Measurement data for natural or marker navigation
- 360° measurement for all-round scanning
- Scanning rate 10/15/20/25 Hz
- Measurement rate 60000 points/s
- Measurement range: 0.2 - 2 m with 1.8% reflectivity / 0.2 - 15 m with 10% reflectivity / 0.2 - 50 m with 80% reflectivity
- Dimensions (w,d,h): 95 x 97 x 116 mm

### LGS-N25



- Compact lidar for mapping, navigation and object profiling
- ToF technology on infrared laser W
- 2D Measurement data for natural or marker navigation
- 360° measurement for all-round scanning
- Scanning rate 10/15/25 Hz
- Angular resolution : up to 0,25°
- Scan Rate : up to 25 Hz
- Measurement range: 0.1 - 5 m with 2 % reflectivity / 0.1 - 10 m with 10% reflectivity / 0.1 - 25 m with 80% reflectivity
- Dimensions (w,d,h): 65 x 65 x 70 mm

### LGS-A10



- Compact lidar for collision avoidance, object detection and shape recognition
- ToF technology on infrared laser
- 2D measurement data available
- 360° measurement for all-round scanning
- 10m of detection capability range
- 3 simultaneuos outputs
- 16 zone sets
- Scanning rate 10/15/25 Hz
- Angular resolution : up to 0,25°
- Measurement range: 0.1-25m with 80% reflectivity
- Dimensions (w,d,h): 65 x 65 x 70 mm




# Datalogic at a glance

**Datalogic Group** is a global leader in the **automatic data capture and industrial automation** markets. It is well known around the world for designing and producing barcode readers, mobile computers, sensors for detection, measurement and safety, RFID, machine vision and laser marking systems. Datalogic solutions help customers increase the quality of their processes in the **Retail, Manufacturing, Transportation & Logistics,** and **Healthcare** industries.

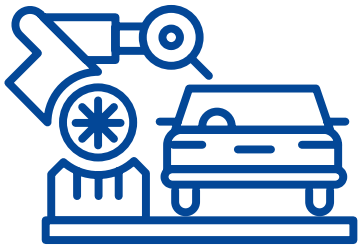
The Group has **more than 50 years of history** behind it, during which enormous successes have been achieved: **10 R&D centers and 3 DL Labs in Italy, USA, Vietnam, China, Czech Republic and Sweden; 10 manufacturing and repair facilities** in USA, Hungary, Slovakia, Italy, China and Vietnam; a **portfolio of about 1,200 patents and patent applications** in multiple jurisdictions; thousands of prestigious partners and customers spread across five continents.

Datalogic Group has **offices in 28 countries worldwide**, with the headquarters in Bologna, Italy. It is through the close cooperation of **approximately 2,700 employees** that Datalogic can boast some of the most remarkable automatic data capture and factory automation solutions available today in the market.

## DATALOGIC TARGET INDUSTRIES



RETAIL



MANUFACTURING



TRANSPORTATION & LOGISTICS



HEALTHCARE

# DATALOGIC PRODUCT RANGE



Fixed Retail Scanners



Handheld Scanners



Stationary Industrial Scanners



Mobile Computers




Laser Marking Systems



OEM Barcode Readers



RFID Systems



Sensors & Safety

by DATASENSING




Machine Vision

by DATASENSING



## CUSTOMER SERVICE

Datalogic's Customer Service offers a wide and complete range of post-sales services. It is organized in three levels of support, in order to guarantee the most appropriate professional assistance based on the specific problem.
Datalogic's Customer Service can deploy in each territory a team of multi-lingual professionals, with a broad technical expertise across the whole product range.
Our standard service portfolio includes: warranty extension, fast turnaround time for repairs, 24/7/365 phone support, next day on-site intervention and site audits. Datalogic can tailor the service offering to your specific needs.
Our experts will support every stage of your projects, from feasibility study to extended post-sales support, performing, when necessary, root cause analysis and remediation.



## EASEOFCARE Service Programs

Datalogic's EASEOFCARE Service Programs provide superior life-cycle support to ensure that products are always operating at peak performance. A variety of Service Programs are available to match your business requirements:



**FAST REPAIR TURNAROUND (OVERNIGHT/2 DAYS)**



**ACCIDENTAL DAMAGE COVERAGE**



**BOTH WAYS FREIGHT PAID BY DATALOGIC**



**DATALOGIC SHIELD FOR MOBILE PRODUCTS INCLUDED**




**3-5 YEARS CONTRACT SERVICE OPTIONS**

Please contact your sales representative to find out what type of services are available in your region.

*www.datalogic.com*

# NOTES

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