



Powerful self-scanning solution for modern stores

-  **AI-supported goods inspection detects missing or incorrectly scanned items**
The rear camera automatically scans the goods in the shopping trolley, and the system immediately informs customers of any possible errors.
-  **5-inch display, ergonomic design and fast scanner for high user-friendliness**
Bluetooth headset support makes it easier for visually impaired customers to use the service.
-  **Robust housing with IP54 protection and high impact resistance**
Designed for tough everyday use in shops – resistant to dust, moisture and frequent drops.
-  **Integrated NFC for contactless activation and direct payment**
Devices can be removed from the charging stations using a customer card or smartphone; payments can be made quickly and directly using cards or digital wallets.
-  **Wi-Fi 6E and indoor localisation for optimal connectivity and store navigation**
Stable connectivity and indoor localisation support a guided, efficient route through the entire store.

Features

Readable codes: 1D, 2D, up to 1 m reading range

Display: 5-inch HD touchscreen with Gorilla Glass

Operating system: Android 15, upgradeable to Android 18

Processor: Qualcomm QCS4490 Kryo Octa-core, 2.4 GHz

Memory: 6 GB RAM, 64 GB flash memory

Camera: 13 MP rear camera for ShopGuard AI

Feedback: Green Spot

Buttons: 1 scan button

Connectivity: Wi-Fi 6E, Bluetooth 5.3, NFC (payment & Tap-to-Go), USB C

Additional features: Indoor localisation, various sensors, 1 microphone, 1 loudspeaker

Battery: 3500 mAh Li-ion, up to 12 hours of runtime, wireless Qi charging (10 W)

Protection: IP54, chemical-resistant surface, drop resistance up to 1.3 m (up to 1.5 m with protective cover)

Operating temperature: -10°C to 50°C

Dimensions (W x L x H): 77.8 × 214 × 104 mm

Weight: 303 g

Optional accessories

1- and 3-slot charging stations (optionally with lock)

Wall mounts for charging stations

Shopping trolley mounts

Belt holster

Screen protector

Spare battery

Protective cover

WIRELESS COMMUNICATIONS

Local Area Network (WLAN)	Wi-Fi 6e IEEE 802.11 a/b/g/n/ac/ax and 802.11 d/e/h/i/k/r/v/w/mc; Frequency range: Country dependent, typically 2.4 GHz, 5 GHz and 6 GHz bands; 2x2 MIMO; WPA3 Enterprise 192-bit mode supported
Personal Area Network (WPAN)	Bluetooth wireless technology v5.3 (Classic Bluetooth wireless technology and BLE)
NFC Communication	Support for the following standards: Tag types 2/3/4/5 (ISO14443-4 A/B; ISO15693; Mifare; Felica) Card emulator. Contactless payments and Apple ECP protocol supported. EMVCo RR PCD Level 1 Compliant Strongbox Secure Element

ELECTRICAL

Battery	Replaceable battery pack with rechargeable Li-Ion Battery 3,500 mAh capacity
Wireless Charging	WPC Qi EPP compliant; 10W charging

ENVIRONMENTAL

Drop Resistance	Multiple 1.3/4ft drops to concrete across operative temperature without rubber boot per enterprise standard according to MIL STD 810H. Multiple 1.5m/6ft drops to concrete over operating temp (-10°C to 50°C/14°F to 122°F) with rubber boot according to MIL STD 810H.
Tumbles	1000 0.5m/1.6 ft tumbles at room temperature without protective boot, meets and exceed IEC 60068-2-32 Procedure 2 specification. 500 1m/3.2 ft tumbles at room temperature with rubber boot, meets and exceed IEC 60068-2-32 Procedure 2 specification.
Sealing	IP54
Chemical Resistance	General purpose chemical cleansers: Chemical agents against which the device is resistant; isopropyl alcohol 70% (IPA) / Alcohol Wipes 70% Glassex with ammonia / Formula 409® Glass and Surface Cleaner Glassex with ammonia / Windex® Water solution of Sodium Hypochlorite 0,8% / Clorox® Bleach Ethyl alcohol 70% Hydrogen peroxide 3%
Temperature	Operating: -10 to 50 °C / 14 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F
ESD	15kV air discharge / 8kV contact discharge

PHYSICAL CHARACTERISTICS

Dimensions	214 mm x 77.8 mm x 104 mm / 8.42 in. x 3.06 in. x 4.09 in.
Weight	With Battery: 303g/ 10.68 oz.
Primary Display	5 inch color HD (1280x720); optically bonded to touch panel glass; 450 NITS
Keys	Physical Keys: 1 scan trigger
Touch Panel	Touch Screen: 5 points multi-touch capacitive panel with Gorilla Glass 3 and optical bonding; Support for gloves and stylus; water drops rejection and antifingerprint surface finishing

READING PERFORMANCE

Camera	Rear Camera: Resolution: 13 megapixel; Auto focus Illumination: User controllable LED flash (torch mode);
Scan Engine	Halogen™ DE2121-DL 1D/2D scan engine; Datalogic's 'Green Spot' for good-read feedback;

SENSORS

Vibration	Software programmable for duration and intensity
Accelerometer	3-Axis accelerometer to detect orientation
Gyroscope	Senses angular velocity
Magnetometer	e-compass for direction and orientation detection
Barometer	Atmospheric pressure / Z-location
ToF	Time of Flight

LOCATIONING

Indoor locationing	Integrated IMU sensors compatible with third party indoor locationing software solutions
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INTERFACES

Interfaces	High Speed USB 2.0 (Type-C) for device maintenance
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AUDIO

Microphones	1x mic
Loudspeaker	1x speakers 0,8W (1W short term) and 92dBA

SAFETY & REGULATORY

Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use.
Environmental Compliance	Complies to EU RoHS

SOFTWARE

DATALOGIC MOBILITY SUITE - Discover more on: datalogic.github.io

Protection	Shield - Android Security Updates; Launcher - to lockdown device to kiosk mode; Enterprise Browser - to web-browse only to a set of approved URLs; Integrity KIT - to safeguard HW interfaces
Configuration	Scan2Deploy Studio - to configure and stage device, OEMConfig - for UEM/EMM Compatibility, AE QR Code Enrollment - for easy EMM/UEM enrollment
Development	SDKs (Java, Kotlin, Xamarin, .NET MAUI JavaScript), Visual Formatter - a no-code platform for barcode formatting, Wedge - a configurable barcode scanning input method
Optimization	SoftSpot - a draggable touch scanner trigger; Logger - to collect advanced device events log; Wi-Fi Guard - to collect Wi-Fi data and statistics; Battery Manager to select from different charging policies; Snap OCR - Rear or scanner camera digitizes text, streamlining data entry and label parsing
Additional Features	
Self-Shopping software	Compatible with Self-Shopping software from all major retailers and ISVs. Seamless integration with Datalogic's Shop evolution™ and EasyShop software platforms.
Provisioning	Android Zero-Touch, Android Enterprise QR Code, NFC Bump, EMM Token, DPC Identifier enrollment
UEM/EMM	SOTI MobiControl, VMware Workspace One, Microsoft Intune, 42Gears Sure MDM, Ivanti Neurons, Ivanti Avalanche, and any OEM Config compliant UEM/EMM

SYSTEM

Memory	6 GB RAM / 64 GB Flash Storage
Microprocessor	Qualcomm QCS4490 Kryo Octa-core 2.4 GHz
Operating System	Android 15, upgradeable up to Android 18
Real-Time Clock	Time and date stamping under software control

WARRANTY

Warranty	1-Year Factory Warranty Additional Datalogic EaseofCare services available
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