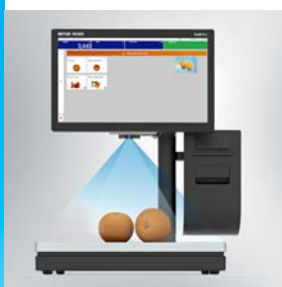


Smart Item Recognition Enhanced Customer Experience



Intuitive User Experience

FreshAI-powered interactive touchscreen navigation is user-friendly for customers, reducing item search times and simplifying product identification. Automatic, accurate identification of goods provides a seamless shopping experience to ensure convenience while keeping customer lines moving quickly.



Adaptability and Efficiency

The FreshAI at Self-Service solution supports self-service weighing for key retail applications such as the fresh foods department. Auto-learning capabilities enable the software to "learn" new items simply via usage – no manual input by staff required.



Reduced Costs

Robust, high-quality components boost uptime and lengthen the device life cycle. The user-friendly interface of FreshAI minimizes the loss in sales related to customer frustrations in locating items. The ability to share image recognition learning results across stores simplifies multi-store development and improves implementation efficiency.



Advanced Technology

Item recognition software works directly on-scale to support uptime – no need for ongoing network connectivity. Goods are identified automatically and shown as easily-identifiable images on the display. The advanced software also tracks inventory usage to reduce shrink and improve inventory management.



FreshAI at Self-Service

The FreshAI at Self-Service smart item recognition system provides end-to-end intelligent weighing solutions for modern grocery retailers. This solution enhances self-service weighing applications – in the produce department and beyond – with automatic item identification. Its impressive recognition capabilities are able to show the correct product in the top four items displayed on-screen with 99%* accuracy within only half a second!

FreshAI technology provides retailers with a fully-integrated, intelligent weighing solution that optimizes processes in order to improve efficiency, reduce costs, and achieve operational excellence – all while maintaining privacy, security, and data integrity.

*Laboratory Data

Technical Data

FreshAI at Self-Service

Camera

- 2.1 Megapixel CMOS camera
- High dynamic range
- Automatic adjustment of key parameters
- Industrial-grade, robust metal housing with hidden cables

Operator Touchscreen Display

- 12.1" (30.7 cm) capacitive touchscreen with a bright, high-contrast TFT LED backlit display
 - Screen resolution: 1024 × 768 pixels
- Continuous tilt angle adjustments (stepless)
- Optional 15.6" (39.6 cm) display available
 - Screen resolution: 1366 × 768 pixels

Printers

- Printing width: 2.2" (56 mm)
- Paper width: 1.7 – 2.4" (44 – 62 mm)
- Printing speed: up to 5.9"/sec (150 mm/sec)
- Print resolution: 8 dots/mm
- Separate paper feed button
- Pole-mounted printer options:
 - 2-inch (50.8 mm) ticket printer
 - 2-inch (50.8 mm) label printer
 - 2-inch (50.8 mm) linerless printer
 - 3-inch (76.2 mm) linerless printer
- Remote-mounted (up to 4m) printer options:
 - 3-inch (76.2 mm) label printer
 - 3-inch (76.2 mm) linerless printer

Processor

- Intel® quadcore processor

Data Storage

- 8 GB RAM
- 128 GB Flash

Operating System

- Microsoft Windows®
- Linux openSUSE Leap 15 64-bit

Scale Software

Available as option to FreshPro software

Power Supply

100 – 240 V AC, 50 / 60 Hz

Average Power Consumption

During operation: ca. 26 W

Interfaces and Protocols

- Gigabit Ethernet interface (10/100/1000)
- 1 × RJ11 interface for controlling the cash register drawer
- 2 × USB 2.0 ports
- 2 × USB 3.0 ports
- Integrated solution for wireless data transmission in accordance with IEEE 802.11 ac/a/b/g/n (2T2R), with 2 × 2 MIMO

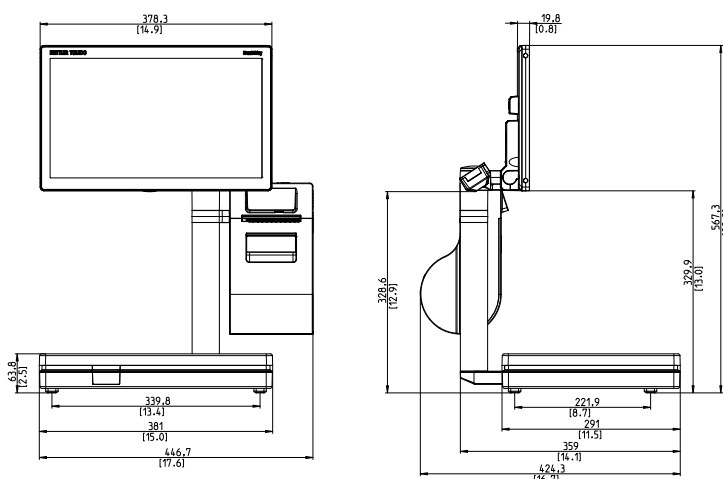
Housing

- Impact-resistant housing made of die-cast aluminum
- Color: Black

Weighing range	3 kg / 6 kg*	6 kg / 15 kg*	3 kg / 6 kg / 15 kg	30kg
Graduation	1 g / 2 g	2 g / 5 g	1 g / 2 g / 5 g	5 g
Minimum load	20 g	40 g	20 g	100 g

*Optional with Inclination Compensation

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