UCOOL 350i

THE FUTURE OF SMART FRIDGES

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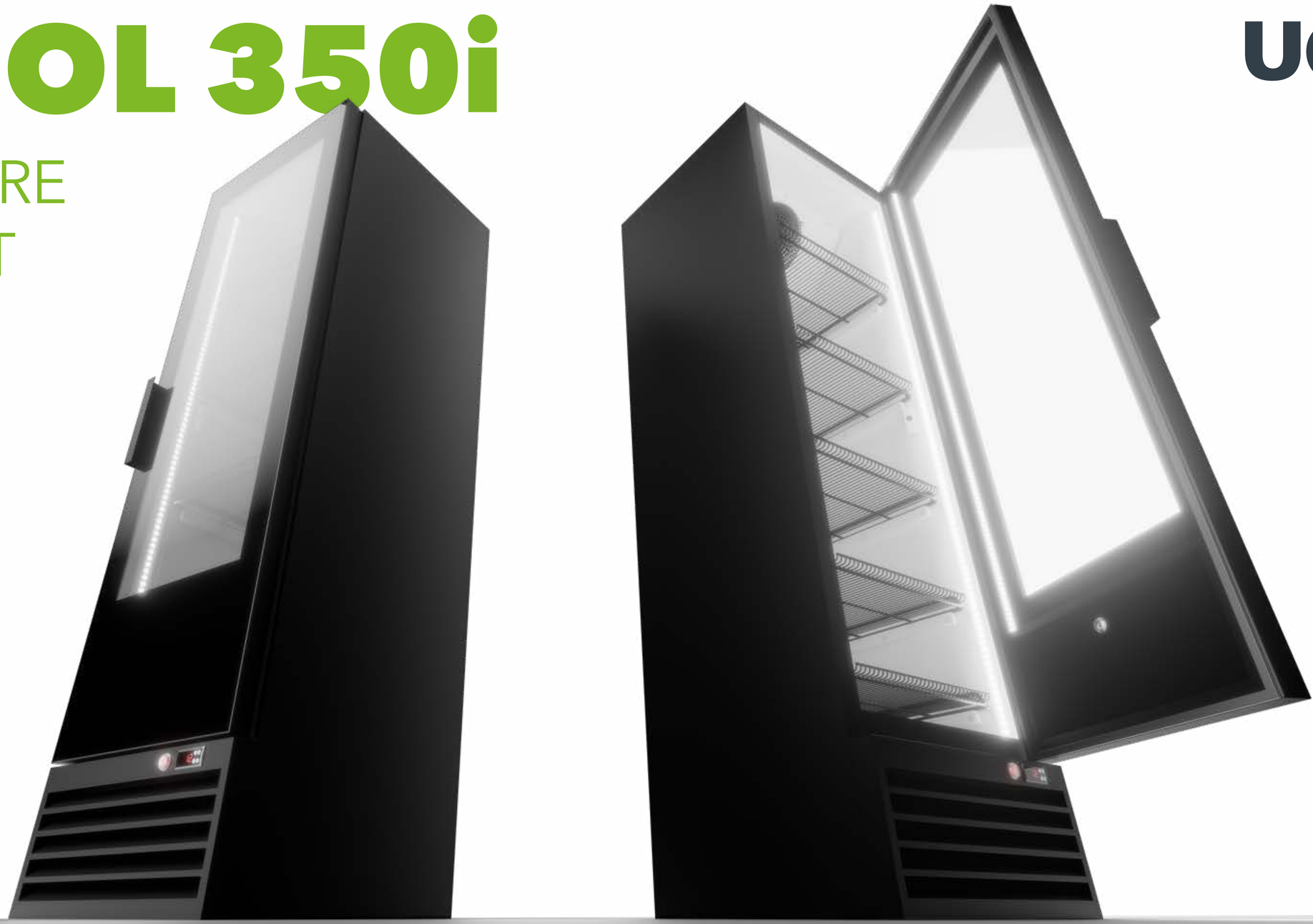



ABOUT THE PRODUCT

Traditional commercial fridges (whether in retail outlets or popular restaurants) today simply cool and display products behind glass or with a logo on the door. We're all familiar with that. But why not use this space and the fridge's technology itself for smart measurement and targeted communication?

Yes, the new smart fridge with an intelligent scale and camera analytics is more advanced than a conventional model. But what is the value of a solution that tracks the current stock levels of products on individual shelves, identifies who took a product, at what time, and their age group and gender, whilst also being able to adjust the contents immediately?

Content that appears on the transparent display in the door, tailored precisely to the type of product selected, and which can either align with the brand's main media campaign or enhance it with a relevant call to action? What's more, a system that you can manage remotely and update with new data and messages at any time.

Our smart fridges showcase products clearly against a high-contrast transparent display,

complemented by intelligent shelf weighing and advanced camera analytics. This enables original, data-driven communication precisely where you want to promote your products or brand, whether in the HORECA sector or traditional RETAIL.

The smart fridge is manufactured in the Czech Republic.

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KEY FEATURES



Door with transparent display

Integrated transparent IPS display with high transparency and contrast, applied directly to the front glass of the door. Special plexiglass with side LED backlighting ensures colour accuracy and eliminates loss of quality when displaying multi-coloured products.

Perfect visibility of both products and digital content at the same time.



Camera analytics

Two integrated cameras analyse age group, gender and time of interaction. All processing takes place offline directly on the device, without storing video recordings. Camera footage is automatically deleted within 10 seconds and only anonymised metadata is sent to the system.

A secure solution compliant with the GDPR, providing accurate demographic and time data for targeted communication and more effective marketing.



Smart scales on shelves

Integrated weight sensors on each shelf enable accurate measurement of products removed in real time. The system automatically assesses stock depletion and provides an immediate overview of current stock levels.

Accurate data for sales monitoring and efficient restocking.

BEYONDA

CONTENT MANAGEMENT SYSTEM

Content management system

A platform for remote content management and comprehensive 24/7 data control. It enables the planning and immediate modification of content displayed on the door screen, device monitoring and online access to reports.

The system collects and analyses data from smart scales and cameras – door opening times, the number and type of products taken, as well as the customer's age group and gender.

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CONFIGURATION



Transparent LCD doors

- Option to choose a version with a transparent LCD display
- Display integrated directly into the door glass
- Simultaneous visibility of products and contents



Smart scales on the shelves

- Integrated sensors for accurate monitoring of product removal
- Real-time stock overview
- Automatic sales monitoring and restocking



Video analytics & smart scales

- Cameras + weight sensors for a detailed overview of behaviour and sales
- Customer analysis and real-time sales tracking
- Anonymous data, offline processing, GDPR compliant



Complete configuration

- Transparent LCD doors + cameras + weight sensors
- Dynamic display content based on the product selected
- Real-time overview of products, customers and sales
- Anonymous data, offline processing, GDPR compliant

Customised modular solution

Do you have your own fridge? On request, we can customise it and add a door with a transparent display, smart scales on the shelves and camera analytics.

Individual technologies can be installed separately or as a complete integrated smart fridge solution.



TECHNICAL SPECIFICATIONS

Display type	Transparent IPS LCD panel
Display size	55″
Resolution	708x1920
Display lighting	Insulating double-glazed screen with side lighting
Active area	445.7 mm (W) x 1209.6 mm (H)
Colours	16.7M (6-bit + Hi-FRC)
Contrast ratio	1000:1 (Typ.) (Transmissive)
Connectivity	GSM/LTE module
Remote control	CMS Beyonda Display Manager
Content playback	Linux / Android MiniPC
Add-on modules	Camera analytics & smart scales
External dimensions	605 (W) x 1940 (H) x 602 mm (D)
Capacity	350 litres
Cooling system	R600a compressor
Weight	92 kg
Power consumption	65 W/h

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About us

We are Premium Visual Systems Integrators. Since 2009, we have been actively exploring new avenues in the field of display technologies and interactive media.

We operate globally and our solutions are used in industry, education and on a large scale in the retail sector. We develop our own range of products and regularly bring new innovations to visual communication.

We are

Premium Visual Systems Integrators

Let’s get in touch!

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