



## AI Service Robot

Korben Welcome Nova is a versatile robot capable of performing multiple functions, including **welcoming and attracting customers, interactive guidance, answering complex questions**, as well as **dynamic marketing and promotional activities**.

Powered by its **exclusive robotic operating system**, it can be easily customized to meet specific needs in various environments and seamlessly integrate with clients' existing systems.

Successfully deployed across **more than 20 industries**, **Welcome Nova** helps businesses **reduce costs, enhance efficiency**, and deliver an **enriched and intelligent user experience**.

## Key Benefits

### Suspension system

Stable operation in various harsh environments such as uneven and greasy floors.

### Batteries LG

Allows the robot to run uninterrupted for 12-14 hours.

### Microphone and speaker

6 microphone arrays.  
Answer questions accurately, even in noisy environments.

### High Definition Video

Displays predefined ads or promotions when detecting a human face.

### 360° Smart Sensors

Built-in RGBD cameras, small obstacles can be detected quickly and accurately.

### Working 24/7

Allows the robot to cover every day of productivity, meeting a wider range of scenarios and needs.



# Product Characteristics

<b>Size (L*W*H)</b>	410×410×1000 (mm)
<b>Weight</b>	21kg
<b>Autonomy</b>	12-14h
<b>Charging time</b>	4.5h
<b>Standard Mapping Area</b>	≤5000m <sup>2</sup>
<b>Screen Size</b>	14 inch, 1080 FHD
<b>Chest/ Single Layer Loading Weight</b>	5kg / Max 15kg
<b>Hardware</b>	Qualcomm 8-core chip + industrial-grade MCU
<b>Navigation Sensor</b>	LiDAR + Visual Positioning + Visual Obstacle Avoidance + Odometer + IMU
<b>Microphone Array</b>	Rows of 6 microphones, 360° sound source positioning
<b>Operating System</b>	Android 9
<b>Supported Networks</b>	4G supports TDD-LTE, FDD-LTE WiFi supports 2.4G/5G

With a **97% voice recognition accuracy rate**, it understands what you say even in noisy environments. It handles **different languages and accents** with ease, thanks to an advanced 6-microphone array located at the center of its head.

Welcome Nova utilizes **facial recognition** to welcome visitors with voice greetings and offer **personalized services and suggestions** based on their needs. It detects the presence of people and proactively initiates greetings and interactions.

Welcome Nova can proactively recommend specialties while customers wait. It can also perform various tasks such as **selling gift cards, presenting dishes, and distributing coupons.**

