

LG GuideBot



Specification

- Size (W x D x H) : 20 in x 20 in x 63 in
- Display : Head 9.2inch 1EA, Body 27inch 2EA
- Weight : 80kg / 176 lb
- Camera : FHD, 30-60fps, angle of view 90° or larger, F2.0 maximum
- Charging duration : 5hrs maximum (auto-charging)
- Continuous driving: 10hrs maximum
- Driving speed: 0.1 - 1m/s (setting adjustable)
- Network: LTE/Wi-Fi/BT

Feature

Category	Detail
Guide	Facilities/amenities guide Way-finding and voice guidance Selfie with the Robot Robot will take picture and share via Cloud Content Management System for Display
Advertising	Context based digital Ad insertion
Security	Vision based security solution
Tour / Docent	Context based voice and image (Museum, Art Gallery, Exhibition)

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Facilities/Amenities Guide & Way-finding Service

Facilities guide

- Provides directions to various facilities inside the exhibition hall along with relevant information
- Speech recognition & touch interaction



Way finding

- Escorts the visitor to the destination via smart navigation
- Displays map, distance and remaining time in escort mode.



- ❖ Value proposition: Provides facility information immediately upon request and escorts the user conveniently to the requested destination.
- ❖ Main operation environments: commercial spaces, office spaces, public institution buildings

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| Taking Picture with Robot, Robot Takes Picture for User

Selfie with the Robot

- Robot facial expression/body image
- Enter name/message
- Background music



Robot takes picture for user

- Taking picture
- Decorating photo (background/frame)
- Sending photo (email/MMS)



- ❖ Value proposition: Lets the user take pictures with the friendly robot for a good memory.
- ❖ Main operation environments: Commercial spaces

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| Advertisement Signage

Schedule/location-based advertisement

- Context (location, time, promotion) based Ad. insertion
- Lunch time sale event

Advertisement statistics/analysis

- Provides data analysis on advertisements



- ❖ Value proposition: Moving advertisement and timed sales/location-based advertisement through linkage with the advertisement signage solution
- ❖ Main operation environments: Commercial spaces

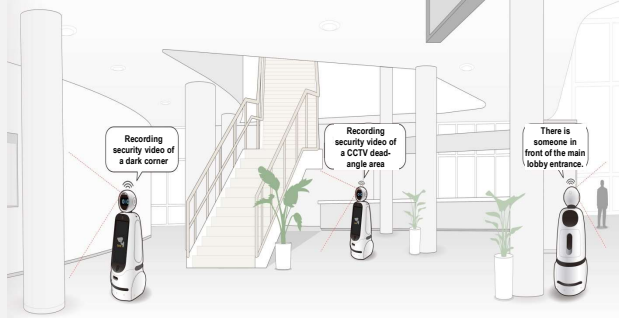
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| Patrol / Security Solution

Patrol video recording and real-time monitoring

- Patrol video recording
- Safety inspection in dark regions of the space
- Real-time monitoring of video being recorded via PC and mobile device
- Automatic video recording for abnormal activities



Intelligent image analysis

- Intrusion detection, fire detection (flame, smoke) and other facility abnormalities
- Collaboration with 3rd party AI-based security solution company

- ❖ Value proposition: Remote monitoring and alarm service through the security solution
- ❖ Main operation environments: commercial spaces, office spaces, public institution buildings

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| Docent Feature

Visitor guide & exhibits description

- Provides detailed guide in front of each piece of work along the set path
- Provides content related to the artworks on the display and via speech
- Displays appropriate screens and provides voice interaction to the visitors' questions



- ❖ Value proposition: Guides the visitors through the exhibited artworks and provides detailed description on each exhibit using speech and display.
- ❖ Main operation environments: commercial spaces, office spaces, public institution buildings

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