

# LG to show off robotic cleaner at CES in January

December 21 2015, by Nancy Owano

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A robotic vacuum cleaner from LG is about to make its debut at CES 2016 in Las Vegas. The kinds of compliments LG would probably be happy to hear when they show it off: could cleaning get any easier? and oh nice, it doubles as a guard dog.

Those remarks would be reflecting the two features about this robotic

[vacuum cleaner](#). The name of the machine is the HOM-BOT Turbo+.

The smartphone is part of this machine concept. In the Internet of Things future, people will apparently be used to controlling household gadgets while they are on the road or in other living spaces through their [smartphone apps](#).

LG's new robotic vacuum cleaner has a Home-Joy user interface. It allows the person to issue instructions to the vacuum cleaner by designating areas that need extra cleaning using the camera of any smartphone. "Simply tap on the part of the room in the image to clean and HOM-BOT Turbo+ goes to that exact location and begins cleaning."

Jon Mundy in *Trusted Reviews* noted the HOM-BOT Turbo+ has camera sensors to record and track where it already cleaned. (HOM-BOT's Triple Eye camera sensors, as they are called, record the surrounding area including the ceiling to track where it has already cleaned.) A camera in front is for sending live feeds to your [smartphone](#).

LG said, "The camera located on the front of the unit enables other smart features such as Home-View and Home-Guard."

The Home-View feature transmits the feed to smartphones. That way, one can control the vacuum remotely. As for playing a security role, the machine can send photos of inside the home to a paired smartphone when the HOM-BOT Turbo+ senses movement.

David Curry in *Digital Trends* said on Monday, "To keep all of this running at a smooth speed, LG [fitted](#) a dual CPU into the vacuum." What about bumping into things? The company said the cleaner navigates and avoids obstacles such as stairs with the Robonavi software system. The latter makes use of the dual CPUs to make fast directional decisions.

Mundy said the 80V lithium-ion battery is good for 40 minutes of continuous cleaning.

Actually, the HOM-BOT Turbo+ headlines a lineup of LG Electronics' CordZero collection at CES 2016. Other items in that cordless vacuum collection are the CordZero Canister, the 2-in-1 CordZero handstick and CordZero Bedding Cleaner. The company said the collection "provides a premium cleaning experience that is free of tangled cords and smarter than ever before."

In the bigger picture, said Curry, "As more companies enter into the smart home market, the opportunity for multiple functions in one device becomes too hard to resist."

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