



# 11/14/2019 Sensors

## Smart Kitchen - Ecosystem containing fridge and microwave oven

[This 'smart' kitchen recognizes the food in your fridge, creates recipes, and then cooks your meals](https://www.businessinsider.com/inuit-recognizes-food-in-your-fridge-and-creates-recipes-2016-5#the-sensors-also-know-when-you-put-say-a-milk-carton-in-the-fridge-since-the-system-knows-that-milk-usually-lasts-no-longer-than-two-weeks-it-alerts-you-when-its-expiring-and-suggest-recipes-with-milk-so-it-doesnt-go-to-waste-4)

<https://www.businessinsider.com/inuit-recognizes-food-in-your-fridge-and-creates-recipes-2016-5#the-sensors-also-know-when-you-put-say-a-milk-carton-in-the-fridge-since-the-system-knows-that-milk-usually-lasts-no-longer-than-two-weeks-it-alerts-you-when-its-expiring-and-suggest-recipes-with-milk-so-it-doesnt-go-to-waste-4>

## Sensors

### Spoilage Sensor

[Amazon wins patent for spoilage-sniffing refrigerator ... but don't hold your breath](https://www.geekwire.com/2019/amazon-wins-patent-spoilage-sniffing-refrigerator-dont-hold-breath/)

<https://www.geekwire.com/2019/amazon-wins-patent-spoilage-sniffing-refrigerator-dont-hold-breath/>

The FoodSniffer is a handheld gizmo that measures the levels of gases given off by raw meat and fish, analyzes the results and beams the thumbs-up or thumbs-down to your mobile device.

### Voice Control

### Best of CES 2019: The smart home explosion

<https://www.pocket-lint.com/smart-home/buyers-guides/139916-ces-smarthome-gadgets-and-devices-from-the-consumer-electronics-show>

### What is Bixby? Samsung's smart assistant explained

<https://www.pocket-lint.com/phones/news/samsung/140128-what-is-bixby-samsungs-assistant-explained-and-how-to-use-it>

Samsung's Family Hub 2.0 fridge also has Bixby support. The idea is that you won't always need to use your hands if, say, they are covered in flour. You can have the latest news read out, or the weather or calendar, directly from your fridge. Samsung's 2018 TVs feature Bixby, too.

### "A Day Made of Glass" Brought to Life at CES 2016 | Corning

<https://www.corning.com/worldwide/en/innovation/the-glass-age/the-glass-age-today/ces-2016/a-day-made-of-glass-brought-to-life-at-ces-2016.html>

### Glass Cooks Creative Kitchen Design Possibilities | Kitchen Glass Innovations | The Glass Age | Corning

<https://www.corning.com/worldwide/en/innovation/the-glass-age/design-and-application/glass-cooks-creative-kitchen-design-possibilities.html>

### Connected Car Connected Home Collaboration Surface Infotainment Wall | The Glass Age | Corning

<https://www.corning.com/worldwide/en/innovation/the-glass-age/design-and-application/how-glass-is-enabling-todays-most-powerful-trends.html>

### Connected Kitchen Hub | The Glass Age | Corning

<https://www.corning.com/worldwide/en/innovation/the-glass-age/the-glass-age-today/see-you-in-the-kitchen.html>

### LG's smart fridge also makes crystal-clear ice for cocktails

<https://www.engadget.com/2019/08/28/lgs-smart-fridge-also-makes-crystal-clear-ice-for-cocktails/>

## Image Recognition - Expiring Date

### Artificial Intelligence in Practice

[https://books.google.com/books?id=A62SDwAAQBAJ&pg=PT53&lpg=PT53&dq=smart+fridge+facial+recognition&source=bl&ots=AAt4pH7ZMo&sig=ACfU3U0dGalHVtSDXqWfx57BVvG5VoaMbw&hl=en&sa=X&ved=2ahUKewiCsajbo\\_bIAhXE7Z4KHQpgDnY4HhDoATAGegQICBAB#v=onepage&q=smart%20fridge%20facial%20recognition&f=false](https://books.google.com/books?id=A62SDwAAQBAJ&pg=PT53&lpg=PT53&dq=smart+fridge+facial+recognition&source=bl&ots=AAt4pH7ZMo&sig=ACfU3U0dGalHVtSDXqWfx57BVvG5VoaMbw&hl=en&sa=X&ved=2ahUKewiCsajbo_bIAhXE7Z4KHQpgDnY4HhDoATAGegQICBAB#v=onepage&q=smart%20fridge%20facial%20recognition&f=false)

### Why China's No.2 e-commerce site JD sees smart refrigerators as a key to IoTs boom

<https://medium.com/act-news/why-chinas-no-2-e-commerce-site-jd-sees-smart-refrigerators-as-a-key-to-iots-boom-d9674a8c9a45>

With the installation of cameras and image recognition technology, the user will know what is exactly inside and when the food will expire. A user can check all information via an app, and buy more food if the refrigerator is nearly empty at JD.com.

The smart machine can also learn your habits, according to Liu, and recommends that food can be purchased on the e-commerce website.

