



A woman plays ASTRO BOT Rescue Mission at a Playstation VR display at the Sony Exhibit at the Las Vegas Convention Center during CES 2019 in Las Vegas

Facial recognition: Coming near you

Las Vegas, United States |

Imagine walking into a store where a robot greets you by name, lets you know that your online order is ready, and then suggests other products you might want pick up.

Facial recognition is making that possible as the technology gains traction in a range of consumer products, automobiles, and retail and hotel services, in addition to its longstanding but controversial use in law enforcement and security.

At the 2019 Consumer Electronics Show in Las Vegas this week, exhibitors pointed to how facial recognition may be used to “personalize” experiences and

enhance personal security.

While facial recognition has been on smartphones for some time, some newer uses include in care and entry systems for homes and offices, along with retail applications.

SoftBank Robotics chief strategy officer Steve Carlin, who showed CES attendees how the company’s Pepper robot could offer retail customers personalized attention, said the technology could also be used in hotels where an automated system could deliver a customized experience to a regular client.

“They should be able to say ‘Welcome back, you don’t need to stand in line, we’ve already checked you in and we’ve sent

the key to your phone,” Carlin said.

Carmakers at CES were showing how facial recognition could improve and personalize the travel experience through music, entertainment and other preferences.

Abe Chen of the Chinese-based auto startup Byton said its vehicle, set to launch later this year, would be able to make useful recommendations based on facial recognition.

“It knows who is in the car, how long you’ve been on the road and what you like to eat, so it could make a restaurant recommendation,” Chen told a CES presentation.

Custom signs

Richard Carriere of the Taiwan-based tech firm Cyberlink said the firm’s new facial recognition being shown at CES is “very precise” and is being offered for retail, home and law enforcement applications.

Carriere said retailers can customize ads on digital signs by using this technology -- so a teenage girl might not see the same message as an elderly man.

“If someone walks into a store, based on gender or facial expression or age group we can customize what shows up in the signage,” he said.

Other startups were integrating facial recognition into home doorbells or security systems, enabling family members and friends to gain entry while alerting homeowners about potentially suspicious people.

“This is one more element of autonomy in your intelligent home,” said Bill Hensley of the security firm Nortek, who showed how its new Elan system can easily let people in and then customize the home environment.

Chinese startup Tuya introduced its AI video doorbell using real-time facial recognition to identify family members, friends, couriers, property managers and even pets, and to create a “whitelist” of accepted people.

“You will be able to give people a one-time pass, and you can talk with them over a video connection,” said Tuya sales chief Sandy Scott of the device, which is to go on sale later this year.



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The Mercedes-Benz EQ Silver Arrow, an electric powered homage to the record-breaking W 125 car from 1937, is displayed at the Las Vegas Convention Center



The Mercedes-Benz Vision Urbanetic autonomous vehicle



People look at the Waymo car, formerly the Google self-driving car project



People look at the Audi Aicon concept autonomous car during CES 2019



A Lamborghini massage chair is displayed at CES 2019 consumer electronics show. The Bodyfriend LBF-750 Lamborghini massage chair features a 4D massage system, healing massage, brain massage, mood lighting and multi-channel surround sound speakers



Companion robot Kiki the cat is displayed at CES 2019. Kiki, designed as a children’s “pet” learns human behavior over time and can identify its surroundings, remember people and track an individual by moving its head.



The Travis Touch pocket translator is displayed at CES 2019. The Travis Touch can translate speech from 100 languages and speak the translation back to the user. The smart translator is available for USD \$199.

this week by the Information Technology and Innovation Foundation offered different results, finding just 26 percent want the government to strictly limit facial recognition, and 20 percent support limits on facial recognition if it would mean air-

ports cannot use it to speed up security lines

“People are often suspicious of new technologies, but in this case, they seem to have warmed up to facial recognition technology quite quickly,” said Daniel Castro of ITIF.