











With the participation of 4,500 technology companies, including 1,000 startups

## CES 2026 charts the course for technological advancement through artificial intelligence

### Las Vegas Report: Khaled Hassan

To learn about the latest technologies and electronic devices that will be launched in 2026 and to understand future market trends, including changes in consumer behavior, industry shifts, and innovation in products and services, you need to follow this report, which highlights the events of the 59th Consumer Electronics Show (CES 2026). CES is one of the largest and most important exhibitions in the field of consumer technology and electronics worldwide. It is organized by the Consumer Technology Association (CTA) and will be held from January 6-9 in Las Vegas, USA. Approximately 4,500 technology companies, representing about 100 countries, will participate, showcasing the latest technologies in various fields. Twelve main official sites, distributed across three complexes (LVCC, Venetian, and C Space), cover an exhibition area exceeding 2.5 million square feet. Accommodating approximately 140,000 visitors, CES 2026 (Consumer Electronics Show) brings together major companies, innovators, investors, and emerging technologies to showcase their

latest products and solutions and explore the future of technology.

The show features consumer technologies including electronics, communication technologies, smart home solutions, augmented/virtual reality (AR/VR), artificial intelligence, advanced mobility, and more. The exhibition takes place in three locations: the Las Vegas Convention Center (LVCC), which houses large exhibition and event halls; the Venetian Campus, featuring hotel rooms and conference facilities (similar to the Venetian Expo); and the C Space Campus, dedicated to content, advertising, and entertainment. Product demonstrations, advertising opportunities, and networking events will be held at the Las Vegas Convention Center and approximately 12 hotels throughout Las Vegas.

Prior to the exhibition, several companies held a number of events, including... Samsung kicked off CES with a "First Look" presentation, showcasing the company's vision for its Device Experience (DX) division in 2026, along with new AI-powered customer experiences. Simultaneously,



the official CES Unveiled exhibition, typically featuring smaller and emerging companies, took place.

LG also held its CES 2026 press conference, titled

"Innovation in Harmony with You," outlining its vision for enhancing everyday life through emotional intelligence. This event also marked the CES debut for Lego. For example, LG unveiled its first Micro RGB TV at the show. Nvidia showcased its latest solutions driving innovation and productivity across various sectors. Nvidia's press conference coincided with another from Hyundai, where the Korean automaker focused on in-car technologies and robotics.

If you prefer gaming monitors, LG unveiled a new lineup of 5K gaming monitors with built-in AI upscaling. But LG didn't stop at just displaying monitors; it also presented a modular home audio system. It features Dolby technology and a new line of xboom speakers developed in collaboration with will.i.am. The company will also showcase its automation capabilities with a humanoid home automation robot called CLOiD.

In the television market, LG is making a strong entry into the "art TV" competition established by Samsung with its Frame TVs: the LG Gallery TV will be available in 55-inch and 65-inch sizes.

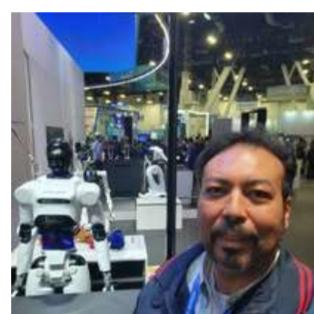
## At CES 2026: Home Robot, Robot Phone, and Solid-State Battery

### Las Vegas Report:

#### Khaled Hassan

The 59th edition of the world's largest technology trade show, CES 2026, concluded recently in Las Vegas, Nevada, with the participation of 4,500 technology companies. The event witnessed the launch of a diverse and innovative range of electronic devices equipped with artificial intelligence technologies, including virtual reality headsets, physical robots, robotic smartphones, and home appliances.

Initially, in the central hall of the exhibition, Honor unveiled its robotic phone with a unique design and innovative functions. The phone is equipped with a foldable digital camera and an integrated stabilization system, providing unprecedented flexibility in photography and videography. The company is expected to announce the full specifications of the device at the Mobile World Congress in February. Upon its official launch, it is likely to be a niche product specifically targeting the professional content creator community. In the North Hall of the exhibition, LG unveiled its LG CLOiD home robot. While not among the many robots on display, it was one of the first multifunctional robots from a leading home appliance manufacturer. CLOiD is expected



to become a powerful assistant, capable of handling a variety of household tasks, such as unpacking items from the refrigerator, preparing simple breakfasts, and even folding and organizing laundry. Crucially, this robot can seamlessly connect and coordinate with other smart devices within the LG ThinQ ecosystem, enabling the creation of a fully automated smart home.

The positive impact isn't limited to personal electronics; it extends to smart home appliances as well. The Euhomy Leopard X1 ice maker is a prime example, capable of producing pure ice cubes in under five minutes. According to expert David Watsky, this is three minutes faster than any other home ice maker currently available on the market. The product is expected to be available starting in April for \$150, a very reasonable price for providing quick and comfortable cooling during the summer.

Perhaps the most significant technological breakthrough at this year's Consumer Electronics Show came from a key area: solid-state batteries. A prototype solid-state battery, roughly the size of a smartphone, was successfully integrated into the Verge TS Pro electric bike. Unlike conventional batteries that use liquid electrolytes, solid-state batteries use solid materials to transport the ions, resulting in higher energy density, greater safety, better stability, and lower production costs.

The practical application of solid-state battery technology in the transportation sector is a huge step forward. The lightweight design and fast charging capabilities of this type of battery will become increasingly important in large electric vehicles, opening up new possibilities for sustainable transportation. Samsung also presented an upgraded version of its Bali assistant robot, along with an initiative using wearable devices to monitor brain health and detect early cognitive decline. Furthermore, Samsung unveiled a prototype of glasses equipped with a new 1.4-inch RGB OLED display. The new screen offers a resolution of up to 5,000 pixels per inch, three times the pixel density of 4K displays. Samsung's exhibition space was designed with an innovative storytelling approach, allowing visitors to truly engage with Samsung's AI innovations and cutting-edge technologies, as well as gain insights into future trends. Under the theme "Your AI Companion," the exhibition showcased how Samsung integrates AI technologies seamlessly across its product range, including smartphones, home appliances, and displays, and through the functions and services that connect all these devices into a single ecosystem. Visitors were given a comprehensive experience of the diverse capabilities of AI, which delivers seamless connectivity and efficient performance anytime, anywhere. This intelligent, connected ecosystem,

## During "The First Look": Samsung Unveils the World's Largest 130-inch Micro RGB Display

### Las Vegas Report:

#### Faten El-Khouly

At "The First Look 2026," Samsung's global technology conference, held in conjunction with CES 2026 in Las Vegas, the company unveiled its latest display technologies. Samsung presented the world's largest 130-inch Micro RGB display and showcased its Odyssey 3D gaming displays, which offer a glasses-free 3D experience through real-time eye-tracking technology. Samsung also presented an upgraded version of its Bali assistant robot, along with an initiative using wearable devices to monitor brain health and detect early cognitive decline. Furthermore, Samsung unveiled a prototype of glasses equipped with a new 1.4-inch RGB OLED display. The new screen offers a resolution of up to 5,000 pixels per inch, three times the pixel density of 4K displays. Samsung's exhibition space was designed with an innovative storytelling approach, allowing visitors to truly engage with Samsung's AI innovations and cutting-edge technologies, as well as gain insights into future trends. Under the theme "Your AI Companion," the exhibition showcased how Samsung integrates AI technologies seamlessly across its product range, including smartphones, home appliances, and displays, and through the functions and services that connect all these devices into a single ecosystem. Visitors were given a comprehensive experience of the diverse capabilities of AI, which delivers seamless connectivity and efficient performance anytime, anywhere. This intelligent, connected ecosystem,



which combines AI and software to overcome the traditional limitations of hardware, represents a unique model of innovation that only Samsung can offer. On the sidelines of its participation in CES 2026, the company hosted a series of technical discussion forums that focused on exploring the latest innovations and future trends in various technology fields. Each session included a select group of Samsung experts, along with participants from other major global companies, as well as a select group of academics and media professionals specializing in data analysis, to participate in in-depth discussions about industry trends, the latest new technologies, and the future of the technology and artificial intelligence industry.

**With five times the speed of Blackwell: In a new revolution in the world of chips, Nvidia launches Rubin, the world's most powerful AI computing brain.**

### By: Pakinam Khaled

While the world has yet to fully grasp the power of Nvidia's Blackwell chip, which was launched in 2025, and many businesses are still queuing to acquire it, Jensen Huang isn't waiting. Today, he officially unveiled Nvidia's next-generation Rubin at CES 2026. Rubin is a new computing architecture representing the pinnacle of AI technology. Huang confirmed that Rubin has already entered full-scale production, with plans to expand its scale in the second half of the year. This comes amidst the rapidly increasing global demand for higher computing power to train and operate advanced AI models, which now require unprecedented computing power. Rubin represents the latest generation in Nvidia's ongoing development series, which has contributed to establishing the company as one of the world's most valuable companies. Nvidia first announced Rubin in 2024 before confirming today its transition to the next stage. Full-scale production is underway, reflecting the company's rapid pace of innovation to maintain its dominance in the AI processor market.

The Rubin chips are expected to be widely adopted by major cloud computing companies and will also power supercomputers. Named after the American astronomer Vera Rubin, the new computing architecture consists of an integrated system of six chips working in harmony to address the data transfer and storage bottlenecks that have become a major challenge in running advanced AI models. According to Nvidia's tests, Rubin delivers a significant performance leap, operating up to 3.5 times faster in model training than Blackwell and up to five times faster in inference tasks, with a computing power of up to 50 petaflops. The new platform also offers eight times the computing power per watt of power, at a time when concerns about energy consumption and data center operating costs are escalating. Nvidia is no longer just a company that sells graphics cards; it has officially transformed into an "AI Factory" that controls everything from training models in the digital world to driving AI robots in the physical world: The Alphaya revolution: When a car "thinks" and doesn't just drive for the first time in history, Nvidia announces an AI model (Alphamayo) specifically designed for vehicles, but unlike anything that came before:

Reasoning: Current cars "react" to the road (see a child -> stop). The Alphaya model has the ability to "think" and reason. It analyzes why a decision should be made and predicts the trajectory based on logic, just like the human mind.

## OpenAI: Developing Robot Control Algorithms Incorporating a Human Hand Equipped with Touch Sensors and Lifting 50 kg

### By: Amir Taha

OpenAI is working on OpenAI, the developer of the ChatGPT chatbot, is assembling a team specializing in developing algorithms for controlling robots, a move that coincides with the hiring of robotics researchers.

The company stated that its Atlas robot has a human-sized hand equipped with touch sensors and can lift up to 50 kilograms. Atlas can operate

without direct human control and is designed to function in industrial environments with temperatures ranging from 20 to 40 degrees Celsius. The company indicated that it is accelerating development in this area through partnerships with global leaders in artificial intelligence, such as NVIDIA and Google, with the aim of improving safety, efficiency, and ensuring the real-world deployment of robots.

## Amazon Launches Smart Glasses for Delivery Drivers

### By: Islam Tawfiq

Amazon, the e-commerce and cloud services giant, has unveiled smart glasses designed to enhance the experience of delivery drivers and workers, helping them navigate safely and efficiently and interact with their surroundings without needing to use their mobile phones while performing their daily tasks.

Since launching its Delivery Service Partner (DSP) program in 2018, the company has invested over \$16.7 billion to support these partnerships and enhance safety, including \$1.9 billion allocated this year alone to launch safety initiatives and AI-powered technologies. Amazon's new system uses computer vision and AI-powered sensing technologies to provide a real-time view of the delivery details and instructions right in front of the wearer's eyes. This allows drivers to be less reliant on their phones and more focused on their surroundings while driving or walking to the delivery location. The company says the new system, consisting of lightweight smart glasses that can be worn all day, was developed in collaboration with hundreds of delivery service partners (DSPs) who provided extensive feedback on performance, comfort, and ease of use.

The glasses allow drivers to scan packages to view information, follow turn-by-turn navigation, and document deliveries with photos—all without needing to touch their mobile phones. The system offers a hands-free experience, minimizing distractions between looking at the phone, the package, and the surrounding environment while completing the task. Amazon's smart glasses utilize AI, machine learning, and computer vision technologies, along with a set of small cameras that integrate data into a display built into the lenses.

I. Bidding Conditions:  
Commissioned by Egypt-TEDA Investment Company, Benaa consult group conducted a public tender for The Initial Area 1 Km2 - Construction Works for Commercial Building # 2 in the Dinosaur Park.

#### II. Project Overview and Bidding Scope:

##### (1) Project Overview:

The Initial Area 1 Km2 - Construction Works for Commercial Building # 2 in the Dinosaur Park,

and the surrounding infrastructure connections.

(2) Construction site: The project is located in initial area of 3rd sector of north-west Gulf of Suez Economic Zone, TEDA, Ain Sokhna Industrial Zone, Suez Canal Economic Zone, Egypt.

(3) The planned construction period requirements: (8) months after the winner gets the construction order from the owner (Final construction period will be confirmed in the contract).

(4) Project quality requirements: meet the Egyptian acceptance standards.

#### III. Contractor Qualifications:

The contractor (or a party to the

contractor consortium) must have the construction qualification issued by the Egyptian Federation of Construction Contractors, the level should be higher than the sixth grade.

#### IV. Deadline for Announcement and Acquisition of Bidding Documents (Egyptian Time):

(1) The bidding announcement of this tender project will be published from 11/01/2026 to 17/01/2026.

(2) The deadline for obtaining the tendering documents for this bidding project is: 17/01/2026.

(3) The deadline for submission of the bidding documents for this bidding

project is: 02/02/2026.

(4) The tenderer will not accept any bidder who fails to receive the bidding documents within the time limit.

V. The Control Price should be: 39,584,475.00 EGP.

VI. How to Obtain Bidding Documents? Bidders should obtain the bidding documents from the consultant office from 12 o'clock to 5 o'clock (PM) Egyptian Time.

VII. Submission of tender documents: Refer to the tender document (Very Important Condition).

VIII. Contact: BENAA Consulting Group

Representative: Dr. Alaa El-Sayed "Chairman"  
Office Address: 4, Road 262, New Maadi, Cairo - Egypt  
Phone: 01226735111  
Email: info@benaa.com.eg

Owner: Egypt TEDA Investment Company  
Representative: Eng. Ahmed Abd El-Baky

Office Address: 3rd sector of North-West Gulf of Suez Economic Zone, TEDA, Ain Sokhna  
Phone: 01066652311  
Email: a.abdelbaky@egyteda.com

## Monster Unveils a Stunning Lineup of New Lighting, Audio, Video, and Automotive Technologies

### By: Mohamed Essam

Monster is gearing up for CES 2026 with a wide new lineup encompassing smart lighting, audio and video accessories, visual entertainment, and automotive technologies. Part of the JEM Global portfolio, Monster's latest products focus on ease of installation, premium design, and high-performance features that seamlessly integrate with smart homes and everyday entertainment environments. For audio, video, and IT professionals, this announcement signals a growing convergence between consumer technologies and

audio and video accessories, and car charging—all built to Monster's signature performance-first approach.

"Monster has always stood for uncompromising performance, and our 2026 lineup takes that commitment to the next level," said Elie Chemtop, CEO of JEM Global. "These new products in lighting, audio, video, and automotive embody Monster's bold design language while delivering user-friendly features that consumers will appreciate every day. It's an exciting moment for the brand and a great opportunity for retailers across multiple categories."

Monster's influence, coupled with JEM's position as a comprehensive source for renowned consumer brands, creates a strong growth trajectory through 2026.

The new Monster portfolio reflects a greater focus on delivering high-quality products that are easy to install and seamlessly integrate into modern lifestyles. From immersive lighting systems to high-performance audio and video equipment, Monster's 2026 direction reinforces its promise of delivering impactful experiences built on design, durability, and ease of use.

## CES 2026: Hyundai to Deploy Humanoid Robots in 2028 to Simulate "Atlas"

### By: Wael Magdy

South Korean automaker

Hyundai Motor Company

plans to deploy humanoid

robots at its Georgia plant

starting in 2028, a move

aimed at automating

high-risk and repetitive

manufacturing tasks.

At the Consumer Electronics Show (CES) 2026 in Las Vegas, the company unveiled the production

version of its humanoid

robot "Atlas," developed

by its Boston Dynamics

subsidiary. Hyundai did

not disclose the number

of robots or their cost,

but stated its intention

to use them across all

its manufacturing sites as part of a campaign dubbed "Physical Artificial Intelligence."

The company explained

that the robots will handle

component arrangement

and assembly tasks

starting in 2028, with

applications to be

gradually expanded

after safety and quality

benefits are verified.

Meanwhile, Kia... Last

year, the Hyundai Motor

subsidiary called on its

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