Press Information

Kyocera to showcase underwater IoT, proprietary AI imaging tech, and new autonomous driving sensors at CES 2026

Kyocera's booth (West Hall #6501) at CES 2026 will highlight the future of connected mobility and beyond.

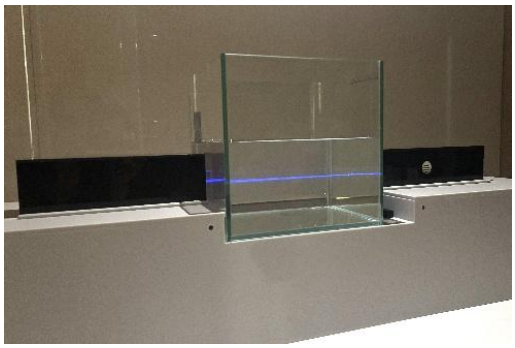
Kyoto/London, 11th November 2025. Kyocera Corporation announced today that the Kyocera Group will exhibit at CES 2026, one of the world's largest technology trade shows, to be held in Las Vegas, Nevada, USA, January 6 - 9, 2026.

Kyocera will exhibit jointly with Kyocera AVX Components Corporation, Kyocera International, Inc., and Kyocera Document Solutions Inc. at booth #6501 in the Vehicle Tech & Advanced Mobility Zone, West Hall. The exhibits will highlight the Group's cutting-edge technologies, including underwater wireless optical communication (UWOC) expected to be applied to underwater drones, a high-resolution millimeter-wave sensor to support autonomous driving, and a triple-lens AI depth-sensing camera equipped with Kyocera's proprietary AI technology.

Visitors will experience Kyocera's vision for a next-generation mobility society. Featured technology innovations will include high-speed underwater communication, advanced AI imaging with triple lenses, next generation mmWave sensors for autonomous driving, and more.

Kyocera Group's CES 2026 booth #6501, West Hall

Underwater wireless optical communication (UWOC)



Kyocera's underwater wireless optical communication (UWOC) is a next-generation marine ICT technology that enables high-speed, high-capacity data transmission by minimizing underwater optical attenuation. This solution provides stable, real-time transmission of high-definition video and sensor data, enhancing the efficiency of marine surveys with Autonomous Underwater Vehicles (AUVs), improving the accuracy of structural inspections, and accelerating scientific discoveries during marine research.

Additionally, Kyocera will demonstrate world-leading 5Gbps transmission capacity that will help advance UWOC and underwater IoT in the booth.

Triple lens AI-Based high-resolution depth sensor for close imaging

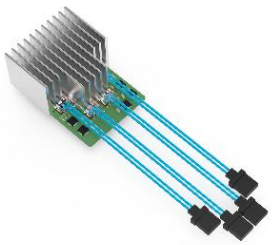
Kyocera has developed a distance measurement camera with three lenses and proprietary AI. This camera measures distances precisely for objects as small as 0.30 mm, and for challenging targets such as metals, translucent materials, and flexible linear objects that are difficult for two-lens cameras. Enhanced depth and distance recognition allow more applications, such as factory measurement of parts, wire harnesses, and cables. In medical environments, the system more accurately identifies human anatomy and instruments, helping address labour shortages and improving operational efficiency. Visitors to Kyocera’s CES booth can compare its recognition accuracy with that of conventional products.

High-resolution mmWave sensor

This millimeter-wave sensor detects minute object vibrations, enabling 4D sensing: velocity, distance, horizontal direction, and vertical direction relative to the target. Using proprietary substrate material technology and unique algorithms, the sensor acquires precise spatial information and enables clear object detection. This next-generation solution balances privacy with safety, with anticipated applications ranging from autonomous driving support and healthcare monitoring to structural surveillance.

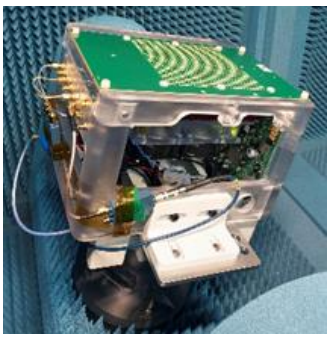
OPTINITY®[1] doubles bandwidth for AI and autonomous driving

Building on sensing and optics, the new optoelectronic integrated module, OPTINITY®, integrates an electrical wiring board and optical technologies to convert electrical signals to optical signals and vice versa for twice the bandwidth of the last generation. This enables optical transmission of PCIe® signals, previously limited to electrical transmission within server equipment. By enabling faster, more energy-efficient, and space-saving data exchange, the module allows data centres to handle higher workloads and emerging applications in generative AI and autonomous driving.



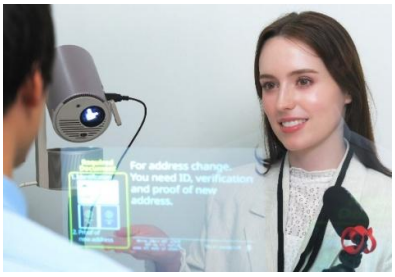
Phased array antenna module (PAAM)

Kyocera's phased array antenna module (PAAM) is designed for security applications, including critical infrastructure threat detection, national security, and drone surveillance, providing improved situational awareness by generating multiple simultaneous beams in different directions and frequencies. This enables users to monitor wide areas and respond rapidly to threats. For optimal beam steering and directivity, Kyocera employs Rohde & Schwarz CATR (compact antenna test range)-based multi-reflector over-the-air (OTA) testing technology.



Real-time interactive caption display system Cotopat

Cotopat is a real-time speech recognition system that displays text, diagrams, and videos to facilitate smooth communication and eliminate conversational and language barriers. Since its launch in 2023 in Japan, Cotopat has supported numerous customers in diverse face-to-face settings, including service counters and reception desks at municipal offices and private-sector organizations.



[1] OPTINITY resulted from a grant project (JPNP21029) by the New Energy and Industrial Technology Development Organization (NEDO).

Overview: Kyocera at CES 2026

Show	CES 2026
Date	6 to 9 January 2026
Location	Las Vegas, Nevada, USA
Kyocera's booth	West Hall Vehicle Tech and Advanced Mobility Zone booth #6501

The press material is available for download via the following link:
https://spgroup.box.com/s/rdkrvobm63j4cklb177v2np9pjlhtm9g

For more information on Kyocera: uk.kyocera.com

About Kyocera

Kyocera has been successful in Europe for over 50 years. From its European headquarters in Esslingen am Neckar, KYOCERA Europe GmbH operates 29 sites including manufacturing facilities, with products ranging from fine ceramics, automotive, semiconductor and optical components to components for medical products, industrial tools, LCDs, touch solutions, industrial printing components, and consumer goods such as kitchen and office products.

KYOCERA Europe GmbH is a company of the KYOCERA Corporation headquartered in Kyoto/Japan, a renowned supplier in semiconductor, industrial and automotive components as well as electronic components, printing and multifunction systems, smart energy systems, and communications technology. Kyocera is one of the most experienced technology producers, with more than 65 years of industry expertise. The Kyocera Group comprises 288 subsidiaries (31 March 2025). With around 77,200 employees, Kyocera generated net annual sales of around EUR 12.43 billion in the 2024/2025 fiscal year.

Kyocera is ranked 874 on Forbes magazine's 'Global 2000' list for 2024 and ranked as 'The 100 Most Sustainably Managed Companies in the World' according to the Wall Street Journal. For the second year in a row, Kyocera qualified for the Dow Jones Sustainability Index (Asia-Pacific). As well, Kyocera receives a Bronze rating on EcoVadis Sustainability Survey and was acknowledged as a 'Top 100 Global Innovator 2025' for the ninth time by Clarivate, being one of the world's leading innovators.

Kyocera also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr Kazuo Inamori — to individuals worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (equivalent to approximately €596,500 per prize category).

Contact
KYOCERA Fineceramics Ltd.
Allan Martin
General Manager
Prospect House, Archipelago,
Lyon Way, Frimley, Surrey.
GU16 7ER United Kingdom
Tel: +44 1276 693450
E-mail: PR@kyocera.de
uk.kyocera.com