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NEWSLETTER

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China Leads International Standard for Brain-Computer Interfaces
The International Organization for Standardization and International Electrotechnical Commission (ISO/IEC) has published a China-led brain-computer interface (BCI) reference architecture standard, developed with experts from multiple countries. It establishes a common framework for BCI concepts, applications, functions and implementation, supporting product development and future standardization. **(China News Service)**

China Develops World's Lightest Wireless Mesoscope
Chinese scientists have developed Airscope, a wireless mesoscope weighing just 1 gram. It records mouse cortical activity at single-cell resolution across a 6-millimeter field of view, capturing over 8,500 neurons simultaneously—25 times more than comparable devices. Published in Nature, the technology could advance neuroscience research and optical brain-computer interfaces. **(Xinhua)**

China Expands Smart Monitoring to Protect Older Adults Living Alone
China is deploying smart sensors and monitoring systems to improve home safety for older adults living alone, a group within the country's 323 million people aged 60 and above. Systems in Hefei, Shanghai and Nanjing use door, water-use and radar monitoring to detect anomalies, alert families and community workers, and enable timely emergency assistance. **(CCTV.com)**

China Completes Indigenous Propulsion System for Polar Vessels
China has completed a domestically developed high-power podded propulsion system designed for polar icebreaking vessels. Unveiled in Shanghai, it can break through 2.5-meter-thick ice and 8-meter ice ridges, supporting navigation in extreme polar conditions. The system passed testing on a 40-megawatt platform, advancing China's capacity to develop key equipment for polar ships. **(Xinhua)**

SenseTime Launches Embodied AI Operating System for Retail
Chinese AI company SenseTime has launched SenseMart OS, a physical retail operating system linking robot makers, unmanned-store operators and franchise partners. Developed by its subsidiary SenseMart, the system is already operating in over 20 stores nationwide. The company plans to accelerate expansion, potentially reaching 100 stores by year-end, as it integrates artificial intelligence into offline retail. **(China Daily)**