



China Unicom and Huawei Elevate Beijing E-Town Race-Day Experiences with 5G-A GigaUplink

Descrizione

COMUNICATO STAMPA - CONTENUTO PROMOZIONALE

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- 20 April 2026 - China Unicom and Huawei capped off a series of successful 5G-A GigaUplink deployments by guaranteeing the premium connectivity at the Beijing E-Town Half-Marathon and Humanoid Robot Half-Marathon, where human and robot runners competed alongside through the E-Town in Daxing District. This marks the two companies' latest landmark showcase for sports events, combining 5G-A and AI to provide fast uplink with huge capacity and low latency for event organization and media services, digital engagement, and humanoid participation.

China Unicom Delivered a Masterclass in Connected Marathon Events

Marathon events typically feature high-density crowds with an extensive demand for uploads. China Unicom and Huawei turned to 5G-A 3CC on 3.5 GHz and 2.1 GHz for the event, ensuring an uplink fulfillment at 20 Mbps surpassing 99.6%, along with a peak speed of field-tested 677 Mbps. This impressive uplink performance provided consistent and reliable support for 4K/8K broadcasting and real-time collection and editing while also enabling fans to share and stream smoothly.

Such unrivalled experience is underpinned not only by high-quality networks but also flexible operations. China Unicom and Huawei used intelligent base stations to build 5G-A intelligent, elastic channels for the event. This facilitated differentiated scheduling for livestreaming, voice and video calling, and short videos to ensure smooth experiences for fans even at heavy-traffic moments.

5G-A GigaUplink Takes Embodied AI to New Heights

In a global first, the E-Town half-marathon features a pioneering format that sees human and robot runners compete simultaneously. The humanoid robots were divided into an autonomous navigation group and a remote-control group, running on the same course and evaluated using mixed timing methods. Each humanoid robot requires approximately 10 Mbps uplink for video uploads, environment sensing, gait control, and autonomous navigation. Dedicated uplink slices were reserved to ensure a positioning accuracy of up to sub-decimeter level and an average end-to-end latency of less than 30 ms throughout the racing course, which provided strong support for the video uploads, obstacle avoidance, cornering, and sprinting of humanoid robots. While offering technical upgrades to sports events, this promoted the adoption of humanoid robots on a large scale.

Qin Yang, Deputy General Manager of China Unicom in Beijing spoke proudly of the excellent connections his company provided for the 2025 World Humanoid Robot Games as a global strategic partner and the 2026 Beijing E-Town Half-Marathon event as the exclusive official communications sponsor. "5G-A and AI are essential digital infrastructure, enabling us to bring embodied AI to sports. Given the new dynamics of AI development, we will double down on our priorities over connectivity, computing power, services, and security to sharpen our competitive edges as a preferred telecom partner for intelligent sports and a core enabler for intelligent industry transformation. Moving forward, we will accelerate our innovation-driven push to strengthen our digital infrastructure and drive the high-quality growth of embodied AI in China and beyond."

Samuel Chen, Vice President of Huawei's Wireless Network Business Marketing, said this humanoid robot half-marathon offers a good example of deepening integration between mobile technology and embodied intelligence. "Beyond redefining connectivity for sports, it has shown us what intelligent production and life will look like in future. We are always dedicated to building excellent 5G-A networks together with operators based on user-centered innovation to ensure GigaUplink, low latency, and high reliability for differentiated mobile AI services. This will enable us to continuously drive the high-quality growth of the digital economy."

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