



SUCCESS STORY



Canon

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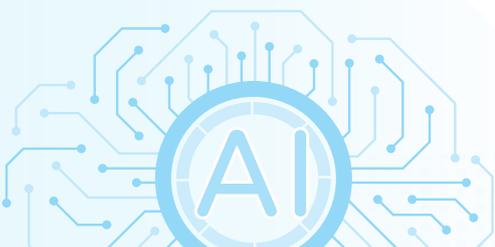
“ China Entercom's SD-WAN solution aligns seamlessly with Canon Medical's strategic needs for digital transformation in the Chinese market. It has realized intelligent and automated centralized management of network resources, which not only optimizes network performance but also supports intelligent traffic scheduling and dynamic optimization. These capabilities empower profound applications and operation of AI technology in medical imaging while data processing is made timely and accurate. ”

Wang Xu
IT Manager, Canon Medical

Canon Medical with Innovative Network and AI Empowerment: Redefining the Future of Healthcare

The advancement of artificial intelligence (AI) is transforming the healthcare sector, particularly in medical imaging, where significant achievements have been yielded through AI applications. Canon Medical, a key industry player in China's healthcare sector, is making strides in the AI medical device market by matching global resources to local needs to improve healthcare service quality. To facilitate the use of AI and many other technologies in medical imaging, a high-efficiency, stable and secure network service is required. Following a thorough assessment, Canon Medical opted for the SD-WAN Solution from China Entercom, a subsidiary of CITIC Telecom CPC, as it ensures fast data transmission with low latency and enables the company to become a new quality productive force in China's medical sector.

“ Canon Group is involved in multiple sectors, including imaging systems, office equipment, industrial devices, and smart IT solutions. The development of Japan's first indirect X-ray camera in 1940 signified Canon's official entry into the medical industry. In 1975, Canon Medical ventured into the Chinese market, marking the start of its in-depth development in the medical sector. After decades of growth, Canon Medical has achieved leaps in China, excelling in research, sales, maintenance, and training of medical devices. Today, a specialized team of nearly 800 people operates in more than eight cities, including Beijing, Shanghai and Guangzhou. ”



> Global-Local Intelligent DICT Service Partner



The “Optimized SD-WAN Project”, co-developed by China Entercom, a subsidiary of CITIC Telecom CPC, and Canon Medical, offers one-stop service that enhances network quality and management efficiency, empowers visualization of network monitoring, incorporates a unified service management platform and simplifies network configuration and maintenance. Supported by quick deployment and easy maintenance, this solution has laid a strong network foundation for fostering business continuity and growth of Canon Medical.

Innovation Never Stops



One-Stop SD-WAN Solution: From Diagnosis to Treatment

The high-efficiency service network of Canon Medical covers all regions of China, delivering more than 50,000 premium medical devices to hospitals and healthcare institutions across the country, greatly improving the quality and efficiency of medical services. However, as the company evolves, its existing network infrastructure has struggled to accommodate the growing business needs, particularly with the demand for AI applications in medical imaging. Hence, there is a pressing need for an efficient, secure, and stable interconnection platform to sustain its operation.

In light of this challenge, Canon Medical decided to collaborate with China Entercom, an ICT service provider with extensive experience, to investigate the innovative applications of SD-WAN technology in the medical device service sector. The tailor-made SD-WAN solution by China Entercom provides a one-stop service that spans the entire lifecycle—from preliminary consultation and design to installation, implementation, operation and maintenance, ensuring a seamless transformation for Canon Medical. Not only does this end-to-end model span diagnosis through treatment, but it also combines various access technologies—such as dedicated networks, LTE and broadband—into a single logical path, streamlining the network and improving efficiency. In contrast to traditional wide area networks, the SD-WAN service from China Entercom demonstrates higher sensitivity and cost-effectiveness.

Visualization of Network Monitoring: Enhancing Risk Prediction and Improving “Diagnosis”

Integrating intelligence and networking into medical devices is indispensable when it comes to digital transformation, as the intelligentization of network environments is key to guaranteeing safe and efficient interconnections among different medical devices. In this context, the visualized SD-WAN solution customized by China Entercom has become a vital part in Canon Medical's transformation journey.

Thanks to the visualized network monitoring, this solution has enhanced Canon Medical's ability to diagnose network issues in multiple dimensions. For example, it can provide real-time insights into network status, enabling timely detection and resolution of problems. Furthermore, its data analysis feature uncovers trends in network performance, allowing for prediction of potential risks and execution of preventive measures to mitigate problems.

Meanwhile, this SD-WAN solution from China Entercom has effectively integrated cutting-edge technologies, including AI. By employing intelligent traffic scheduling and optimization, it has achieved flexible and dynamic allocation of network resources, greatly improving network efficiency. Due to its importance in facilitating the advanced use of AI in medical imaging, this solution has ensured timely and accurate data transmission for medical devices; therefore, it provides strong momentum for Canon Medical's digital transformation and business development.

Benchmark Project Certification: Paving the Way for Digital Transformation in Healthcare

At the "Computing-Network Convergence Industry Development Conference" organized by the Convergence of Computing and Networking Industry and Standards Promotion Committee of the China Communications Standards Association (CCSA TC621), China Entercom and its client Canon Medical jointly received the “2023 Outstanding SD-WAN Cases – Best Application Award” for their collaboration on the “Optimized SD-WAN Project”.

The partnership between Canon Medical and China Entercom has exemplified digital transformation in the healthcare industry and has forged valuable experiences for digitalization in other fields. Upholding the philosophy of "Innovation Never Stops," China Entercom will keep pushing the boundaries in exploration and innovation, empowering healthcare institutions with superior network solutions to build a healthier future.

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