Qihan introduces Sanbot robot at IFA 2016

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New intelligent service bot is powered by robust cloud-based AI platform and is designed to serve businesses and organizations in retail, healthcare, hospitality and other services industries

Berlin, September 1, 2016 – Qihan Technology Co. Ltd today unveiled Sanbot, an intelligent humanoid service robot powered by a robust cloud-based artificial intelligence platform. At Sanbot's core is an innovative tri-polar private cloud architecture that delivers smart, personalized service in any environment ensures and supports natural interactions with users. Sanbot is the perfect addition for businesses looking to deliver high quality services to increase customer satisfaction and loyalty.

"Sanbot has the potential to reshape how service industries operate and we're excited to be at the forefront of this artificial intelligence revolution," said Lin Lvde, Chairman of Qihan Technology. "Sanbot is the culmination of years of research into artificial intelligence, machine learning and video and machine vision recognition. We truly believe that robots like Sanbot will have a significant role to play in the future of retail, education, healthcare and more."

With machine learning and cognition technologies more reliable and available at a consumer and industry level thanks to the power of cloud computing, the Sanbot will help drive the development of enhanced customer services for businesses and organizations in retail, restaurants, hotels, security, healthcare and education providers.

Key Features of Sanbot include:

- Cloud-based artificial intelligence platform supporting machine-learning, face and 3D image recognition and semantic comprehension
- Proprietary tri-polar system architecture comprising robot, private cloud and a mobile application to enable customers to control Sanbot on their personal devices
- Open API to support development of Android apps to add new functionality
- Excellent sensors for better communications and interactions with users and the environment
- The ability to detect obstacles, human beings and other objects, making it a nimble and unobtrusive addition to any commercial space.
- The ability to sense human beings, read gestures and facial expressions and respond to complex voice commands.
- A full suite of audio-visual devices including a 10.1 inch 1080P touch screen display and a built-in 1920 x 720 HD projector.
- Superior connectivity thanks to 802.11 b/g/n Wi-Fi standards along with ZigBee connectivity.
- A 20Ah/300W lithium battery that keeps Sanbot running at full load for four hours and in standby mode for twenty hours.
- A self-charging function which allows Sanbot to find its charging station on its own for excellent up-time and extended service availability

A New Approach: Robotics-as-a-Service

Based on Qihan's innovative "Robotics-as-a-Service" model, the Sanbot is designed for deployment in retail, restaurants, hotels, security, healthcare, education and any organizations and businesses that need to deliver high-quality services to customers and users.

Sanbot delivers on the promise of service robots and is leading an emerging market for smart, multi-purpose robotic assistants that promise to reshape the way we conduct business and interact with the commercial world. Based around an open API, developers

can create and deploy apps that open up Sanbot's capabilities across a wide range of applications.

Developers will have access to Sanbot's sophisticated AI system and will be able to take advantage of Sanbot's advanced capabilities including face detection, semantic comprehension, 3D image sensing and gesture interaction. This level of control and expandability enables Sanbot to generate value to a wide range of service industries.

Sanbot is powered by a tri-polar system architecture to give owners full control of the robot and allows them to easily deploy new applications and behaviors. The Q-Link Private Cloud System allows for advanced AI calculations along with user management, communications support, remote hardware control, data storage and more. The Q-Link Private Cloud System, which is downloadable on the App Store and Google Play, allows users to take direct control of Sanbot using their personal mobile devices, guiding the robot using manual controls or using Sanbot's built-in audio-visual features and HD cameras. The Sanbot system supports data encryption and advanced access control for robust information security protection.

Qihan has worked closely with high-tech research institutions including the Harbin Institute of Technology and the China University of Geosciences, among others, to research and develop the cloud-powered AI platform that makes Sanbot possible.

Smart Robotics for Smarter Business

From tourist destinations to retail locations to restaurants, Sanbot is designed to bring in customers and provide them with helpful, memorable service. For health care facilities and educational institutions, Sanbot can be a boon to existing staff, providing an always-available team member that can help facilitate communications and serve as a friendly, reliable companion. Sanbot is designed to be an excellent addition to any workforce and delivers efficiency and cost savings in a way that complements human workers.

In a healthcare setting, Sanbot can be a friendly, reassuring presence that's available at any hour of the day. At the same time, in a retail setting, Sanbot can be an always-on marketer that helps drive traffic and presents a unique way to share information on sales and deals, increasing customer engagement and loyalty.

Qihan will offer Sanbot in a flexible range of purchase or monthly subscription options through authorized partners and distributors in Europe and North America. Pricing information will be announced in due course.