

## **Andrea Electronics Corporation announces Airbus utilizing its DA-250Q array microphone for CIMON-2, the artificial intelligence robot companion to operate in outer space.**

Bohemia, NY May 4th, 2020 Andrea Electronics Corporation (OTCMKTS: ANDR) (Andrea), the pioneer of digital array microphones and noise reduction software that optimizes the performance of conversational computing applications, announced today that its DA-250Q array microphone is incorporated in to the CIMON-2 virtual assistant robot that has been operating on the International Space Station. CIMON-2 is the new model of CIMON-1, the first AI robot to operate in outer space. This experiment is overseen by Space Administration at the German Aerospace Center (DLR) in cooperation with Airbus as the prime contractor as well as IBM.

CIMON is a hovering spherical device with internal thrusters to propel itself throughout the ISS cabin. It has a display; speakers and the virtual assistant function is powered by IBM Watson.

<https://www.airbus.com/newsroom/press-releases/en/2020/04/cimon2-makes-its-successful-debut-on-the-iss.html>

CIMON-2 was successfully launched into outer space in December 2019. Using Andrea Electronics DA-250Q array microphone, CIMON can complete advanced tasks that require speech recognition, such as following verbal commands to navigate itself to specific areas inside the spacecraft. The DA-250Q array microphone has an advanced capacity to reduce background noise and enhance voice input, resulting in unparalleled conversational computing accuracy. Voice control is vital in space as the astronauts can be handsfree.

Intelligent AI like found in CIMON-2 is designed to function as a social companion for astronauts dealing with long-term isolation in space and can detect emotion in human voices. CIMON can reduce stress by assisting with arduous tasks and heavy workload. This technology can potentially be used to aid those with the same isolation and stress inducing issues on Earth.

The DA-250 is a small digital signal processing circuit card with stereo microphone sensors. The array microphone has state-of-the-art beam forming, noise reduction and acoustic echo cancellation audio input technology and provides robust full duplex conversational computing performance even in noisy server rooms and other commercial environments.

<http://www.andreaelectronics.com/da-250-array-microphone-digital-signal-processor/>

### **An American Innovator**

Andrea Electronics sends another first audio system into space.

Andrea is an American-owned business since 1934. In the 60's the company produced the astronaut audio system for the Project Mercury NASA space program, as well as avionic intercom systems used in F-16 fighter jets and military helicopters. Andrea's microphone array and other advanced digital noise cancellation technologies have been embedded into hundreds of millions of personal computers and other devices. The DA-250 Digital Array Microphone line is a standalone advanced microphone solution for OEMs and is among the latest innovations from Andrea Electronics.

### **About Andrea Electronics**

Andrea Electronics Corporation designs, develops and manufactures audio technologies and equipment for enhancing applications requiring high performance quality voice input. The company's patented Digital Super Directional Array (DSDATM), patented PureAudioTM and patented EchoStopTM far-field microphone technologies enhance a wide range of audio products to eliminate background noise and ensure the optimum performance of voice applications.

Visit Andrea Electronics' website at [www.AndreaElectronics.com](http://www.AndreaElectronics.com)

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