

GNSS solution Jeavox, China



Additional Resources: • [NEO-M8N](#) • [NEO-7 series](#)

Smart rearview mirrors – offering a better view to the automotive industry

Established in 2011, Jeavox Co., Ltd. is a Chinese high-tech company combining R&D, production, sales and services for the automotive electronics industry. Products include on-board computers and Digital Video Recorders (DVR) for real-time traffic navigation, with a particular focus on smart rearview mirrors, a field where Jeavox is the leader in China.

The smart rearview mirror appeared on the global market a few years ago, with the clear purpose of increasing the drivers' safety. Equipped with an LCD monitor, it not only provides clear rearward visibility under various conditions, but also allows the driver to switch between monitor and traditional rear view. A high-resolution camera mounted on the rear of the vehicle offers a clear unobstructed view of the rear flanks, allowing the driver to check blind spots and other traffic conditions.

Challenge

Jeavox was looking for a high precision and stable GNSS receiver, as well as for a long time partner for its smart rearview mirrors. u-blox provided the ideal solution, and has been collaborating with Jeavox already since 2011.

u-blox solutions

"We needed a high performance and reliable GNSS solution for our automotive applications and to ensure the safety of our customers. The u-blox concurrent GNSS module, NEO-M8N, was therefore the right choice. In addition, we value u-blox's reliability as a partner," explains Kui.li, GM at Jeavox.

u-blox NEO-M8N is a multi-GNSS module with concurrent reception of up to 3 GNSS (BeiDou, GPS, Galileo, GLONASS). It is an industry leader with a -167 dBm navigation sensitivity. Other features include security and integrity protection, as well as advanced jamming and spoofing detection. It is backward compatible with the NEO-7 series, which is also embedded in some of the smart rearview mirrors from Jeavox.

The collaboration with Jeavox is expected to continue with the advent of new technologies.

About u-blox

Swiss u-blox (SIX:UBXN) is a global leader in wireless and positioning semiconductors and modules for the automotive, industrial and consumer markets. u-blox solutions enable people, vehicles and machines to locate their exact position and communicate wirelessly over cellular and short range networks. With a broad portfolio of chips, modules and software solutions, u-blox is uniquely positioned to empower OEMs to develop innovative solutions for the Internet of Things, quickly and cost-effectively. With headquarters in Thalwil, Switzerland, u-blox is globally present with offices in Europe, Asia and the USA. (www.u-blox.com)