

## GNSS Solution

# PowerVision, China

# PowerVision



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

## PowerVision's first consumer drone: PowerEgg

PowerVision Group is a global technology leader focusing on UAV-related products and services including smart drones, data visualization and forecasting, virtual reality and augmented reality. Headquartered in Beijing, China, PowerVision Group has offices globally, for instance in Finland, Poland and Germany. An innovation leader, PowerVision Robot has been released series of intelligent robot products including drones and multi-purpose consumer robots. In August 2016, PowerVision launched its first consumer drone, PowerEgg, in North America, Europe, and China.

### Challenge

PowerVision was looking for a high precision and stable GNSS receiver, as well as excellent and fast customer service for its first consumer drone, PowerEgg, to make a success of it at first try.

### The u-blox solutions

u-blox came as the ideal partner, with its wide GNSS technology offering, experience with UAV products and the technological support it could provide locally to ensure quick time to market. The project started in January 2015 to reach completion in summer 2016.

"We needed a high performance and certified GNSS solution for our first consumer drone and we trusted u-blox's excellent reputation with regard to the development of UAVs," explained Wally Zheng, CEO at PowerVision. "The u-blox concurrent GNSS module, NEO-M8N, was therefore the right choice for us," he added.

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 PowerVision 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](http://www.u-blox.com))