

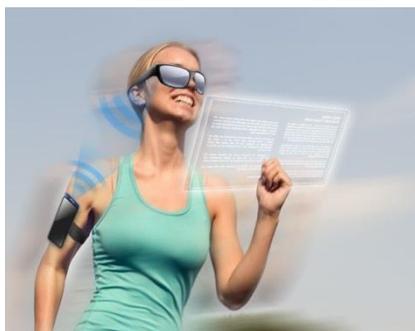
Executive Summary

WiseJet Inc.

WiseJet was established as a spin-off company of the Korea Advanced Institute of Science and Technology (KAIST) in 2015. It deals with high-speed wireless transmission of video and data based on new low-power 60 GHz CMOS technologies. It mainly deals with zero-delay wireless connection between AR/VR Glass and smart devices, and it has developed an engineering prototype that works with phone and commercial glass with 2k video quality with delay less than 1 ms; this is the best image quality and lowest delay reported for wireless connection.

The solution is based on a 60 GHz millimeter wave (mmW) wireless technology that follows a simple wire-interface standard at both ends of the connection, such as a DP. This simplifies the setup for high-Gbps wireless connections and consequently maintains the original video quality, plug-and-play operation, undetectable latency, and low power consumption. The technology is protected by 20 registered patents, with additional 10 pending. One of the key IPs is CMOS chips and packages that support low-power and high-speed wireless communications. Depending on its application, it supports distances between 1 cm and 3 m. Its main applications are communication between smart devices, chips and chips, and systems and systems. Based on this chip technology that provides transmission speed of 6 Gbps or higher, engineering wireless AR/VR adapters that transmit 2k/90 Hz without delay were implemented with own RFIC and FPGA for connection between commercial AR Glass/VR-HMD and smartphones. In addition, IPs for antenna diversity, sensor-based beamforming for body area wireless connection, and channel-dependent communication mode control were developed for competitiveness in the wireless AR/VR business.

WiseJet is developing wireless solution for AR glasses with global manufacturers such as Samsung and discussing future products with other big companies. It is currently located in South Korea with a team of 12 members and plans to enter the US. While developing wireless AR/VRs, WiseJet is currently making revenue by selling its own consumer devices for video transmission from smart devices to displays.



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