The ZUS.ai Supercomputing Unit is a high-performance edge computing component that supports multiple FHD camera inputs. It is designed to analyze real-time visual data from both inside and outside of the vehicle through its built-in neural processing engine. Custom microphone arrays provide directional sound source positioning and directional echo cancellation in the car, enabling a more comfortable in-car voice communication experience.

**Multiple Video and Vehicle Data inputs**
Capture multiple FHD video and vehicle data inputs. Both driver-vehicle data and vehicle-environment data can be recorded simultaneously via multiple data channels.

**Facial Recognition AI**
Built-in neural processing engine performs facial recognition and ID authentication.

**Custom Microphone Arrays**
Custom microphone arrays provide directional sound source positioning and directional echo cancellation in the car, enabling a more comfortable in-car voice experience.

**Scene Voice Recognition**
Vehicle and scene specific voice recognition enable higher accuracy semantic analysis and improved data analysis for future decisions.

**OTA Upgradability**
Easily upgrade the unit using OTA to enable the latest features and updates.