▶ JOYNEXT Data Storage System for Automated Driving

An autonomous driving data storage system with compliance, controllable costs and high scalability.

❯ Technical Details

- ◉ **Compliance:**
  Fully compliant with the national standard – "Intelligent and Connected Vehicle-Data Storage System for Automated Driving"

- ◉ **Self-controll and autonomy:**
  Build on the mature Chinese chipset which base on the mature 28nm processes; hardware solution for the China commercial cryptography algorithms

- ◉ **Cost advantage:**
  Support multiple venders' solution; single SoC approach; support raw video streaming and hardware codec

❯ Features

- ◉ Full set of data record with the national standards, including video content and CAN data,15s+5s buffer around the event (Type I)
- ◉ Extendable to support the continuous recording mode (Type II)
- ◉ Video and CAN data can be accessed through the front-end web page, and filter function is supported for CAN data

❯ Applications

- ◉ Commercialization of high-level autonomous driving
- ◉ A standalone system equipped on an automated driving (L3-L5) vehicle which monitors, collects, records, and stores related data when ADS engages

Hardware diagram of JOYNEXT Data Storage System for Automated Driving