



Technology Benefits

- Complete computer vision AI technology suite
- Biomedically proven early warning for driver sleepiness
- Visual, manual and cognitive distraction monitoring
- All R&D phases integration - from data collection to inferred neural networks
- AMD Zynq™ UltraScale+™ adaptive SoC-based development platform

Business Benefits

- Fully control your own DMS system
- Expandable for future AI applications
- Flexible licensing and buyout models
- Speed up time to market, save on R&D costs
- Work with a reliable and skilled partner



The new ARTIEYE[®] DMS Technology Suite from Xylon enables fast development of customized computer vision-based DMS and similar AI systems. It includes HW/SW intellectual property, developed test data sets, biomedically established ground truth sets of data, data collection procedures for simulation labs and test fleets on open roads, optimization of neural networks, hardware equipment for advanced Hardware-in-the-Loop (HIL) simulations with synthetically generated and road recorded drivers, as well as embedded hardware implementations.

ARTIEYE users may license, or even buy out the complete technology suite or parts of it. Besides the existing off-the-shelf parts, Xylon offers design services for system tuning and other flexible cooperation models.

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