

Synthetic data

Revolutionize your autonomous driving development with up to 80% faster data generation, up to 95% cost reduction, and enhanced AI model quality using our state-of-the-art end-to-end synthetic data generation solution

THE CHALLENGE

- Time-consuming and costly real-world data collection and annotation process
- Limited data diversity and coverage of edge cases and new geographies
- Bias and privacy concerns associated with real-world data
- Inefficient scaling with real data to meet growing data demands

SOLUTION HIGHLIGHTS

- **End-to-end service:** Seamless integration of synthetic data generation, model training, and validation within a single platform
- **Customizable data generation:** Tailored synthetic data to meet specific requirements, including edge cases and new geographies
- **Advanced AI techniques:** State-of-the-art algorithms and tools to generate high-quality synthetic data and train autonomous driving models
- **Scalable infrastructure:** Robust and scalable platform to accommodate growing data and processing needs
- **Comprehensive developer support:** Extensive documentation, support, and tools to streamline the development process

DEPLOYMENT OPTIONS

	IMPLEMENTATION	OPERATION (AS-A-SERVICE)
Offering components	<ul style="list-style-type: none">• Customizable solution tailored to meet specific client needs, such as edge cases and new geographies• Testing and validation of the service to help ensure optimal performance• Implementation of robust data privacy and security measures	<ul style="list-style-type: none">• Synthetic data as a service for clients to generate synthetic data on demand• Reporting and analytics on the service usage and performance• Continuously improving the service by incorporating latest technologies• Regularly reviewing service performance and client feedback to make necessary adjustments• Data management and archiving
Pricing model	<ul style="list-style-type: none">• Pay-as-you-go pricing based on volume of generated data	<ul style="list-style-type: none">• Subscription service with multiple tiers

VALUE PROPOSITION

- **Accelerated data generation:** Reduce data generation and validation time by up to 80% compared to manual data collection and labeling
- **Cost savings:** Achieve up to 95% cost reduction compared to manual methods
- **Improve model performance:** Leverage proven benefits of combining synthetic and real-world data for training
- **Scalability:** Generate and manage diverse and complex data on-demand to help meet your growing dataset demands
- **Enhanced model quality:** improve safety and reduce bias with diverse and controlled synthetic data
- **Privacy protection:** reduce privacy concerns associated with real-world data

DIFFERENTIATION

