

AI-based Vehicle Model Recognition

Systems & Electronics Division
Sumitomo Electric Industries, Ltd.

Date: October, 2021

AI-based Vehicle Model Recognition

Overview

The AI image processing module of the roadside equipment identifies the vehicle name (manufacturer/vehicle type/model year), vehicle body color, etc

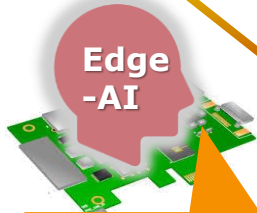
Features

1. Vehicle names can be distinguished with 99% accuracy (regardless of daytime/nighttime/clear/rain situation)
2. 30 fps real-time identifiable
3. AI image processing at the road-side edge
4. Vehicle number plate info. can be read with 99% accuracy (Japanese specification)
5. Shooting distance of 20 meters and equipped with near-infrared illumination
6. Expandable AI processing module (learning more info.)



Road-side Camera

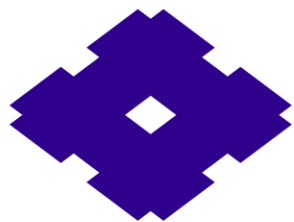
This is TOYOTA PRIUS!



Edge-AI

Which PRIUS is this?





**SUMITOMO
ELECTRIC**

Connect with Innovation

<https://sumitomoelectric.com/>