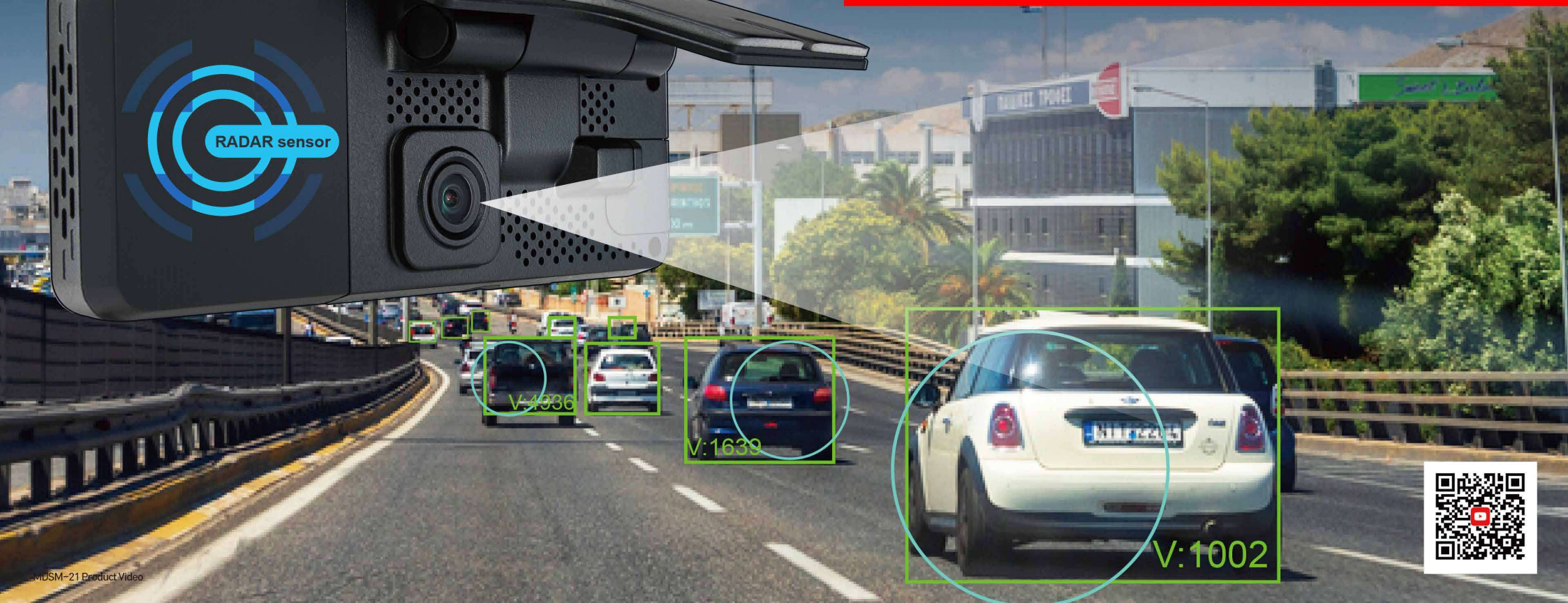


World first RADAR-camera integrated ADAS system
which can be mounted behind the windshield

MRV-21

Vision & Radar Fusion ADAS



Product Specification



CAMERA

CPU	Cortex A7 Quad-Core
Vision Sensor	Camera: 1280 × 720 (HD) Size: 94 × 64 × 25.2mm
Radar Sensor	RF: 76~77GHz Size: 61 × 64 × 25.2mm
Power	DC 10~36V
Size	80 × 120 × 50mm
Input	Micro 5PIN USB Port Micro SD Card Slot GPS port
Connectivity	Vehicle CAN communication GPIO, RS-232, CVBS Video Out
Operating Temp.	-20°C ~ 70°C (-4°F ~ 158°F)
Storage Temp.	-30°C ~ 85°C (-22°F ~ 185°F)

ADAS Features



Forward Collision Warning

Assists the driver to maintain a safe distance from the front vehicle as the driver's preset distance as well as it warns the driver of an impending crash with audio and visual warnings.

Night

Stable FCW performance at complete darkness and sun glare

Heavy Rain & Fog

Consistent FCW performance even at heavy rain, severe snow and thick fog

Motorcycle

shows excellent performance to detect and track motorcycles which are mingled with cars on the road.



Lane Departure Warning

Provides lane departure warning for safe driving by alerting the driver with sound and visual warnings and helps to regain direction if the driver departs lanes unintentionally.



Pedestrian Collision Warning

Reduces crashes by sending out warning signals when there is any pedestrian, bicycle ahead.(Active from 0~to 40km/h, 24mph)



Safety Distance Alarm

Attracts the driver's attention to keep the safe distance from the host vehicle to front vehicle by warning the driver. (Active from 30km/h)



Speed Limit Recognition

Recognizes speed limit signs and provides warnings for over speed.

Radar Technology

Camera + Radar Fusion Algorithm

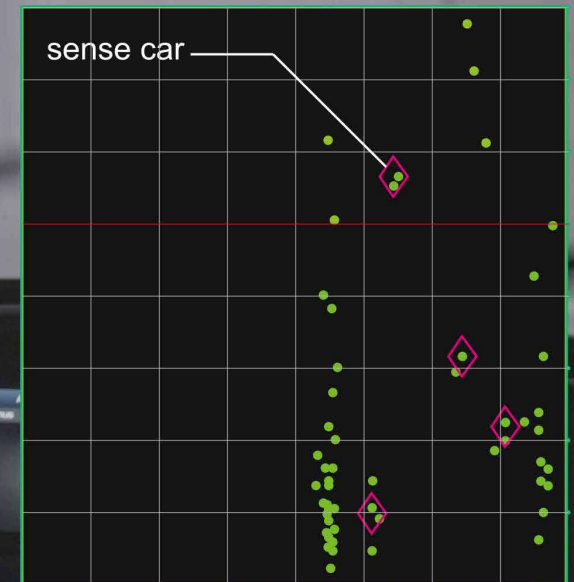
77GHz mmWave radar solution



All weather safe solution



MRV-21

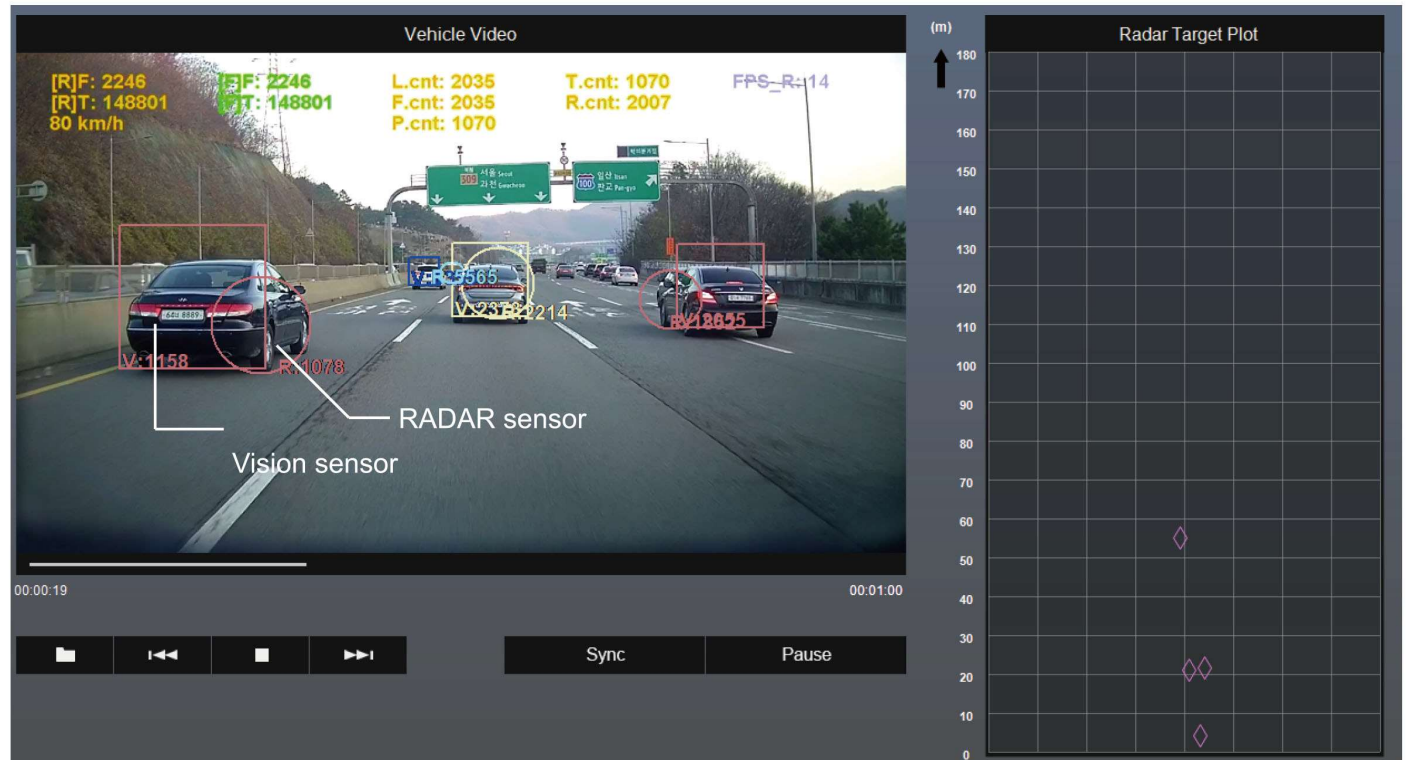


Radar and Vision into a single device

In-depth information on driver behavior and improved driver safety by Fusion sensors

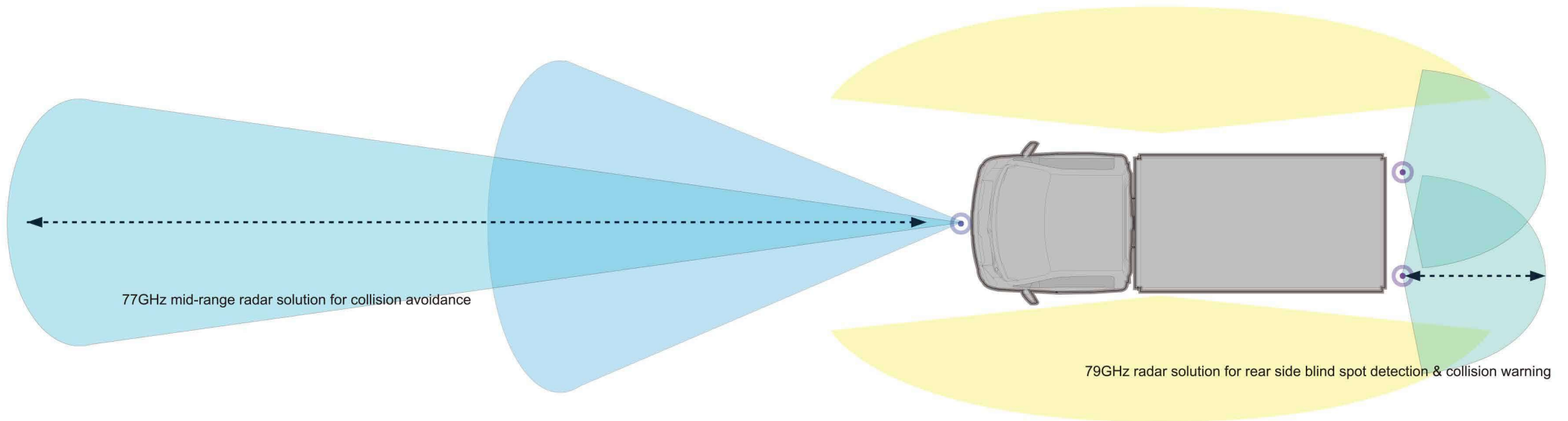
DVR Features

- Event Mode: Only events are recorded
- User Mode: Users are able to initiate recording
- Viewer allows recordings to be seen with ADAS information detected



Radar Solutions

77GHz, 79GHz radar solutions for collision avoidance Blind Spot Information Solution by Camera





Easy installation on windshield

In-Cabin install radar system

Auto-calibration feature reduce time to calibrate the unit.