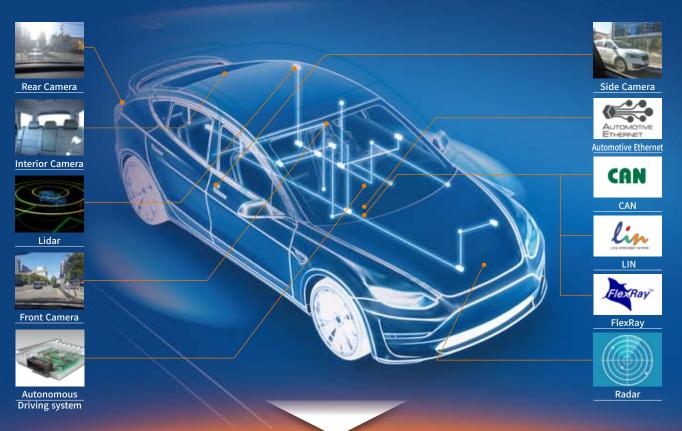
Vision On Chip Co., Ltd.



Essential equipment to develop and test the autonomous system and ADAS sensors



ADAS Measurement, Validation and Test Solution



LOGGING

Synchronization Lossless



Essential equipment to develop and test the autonomous system and ADAS sensors

REPROCESSING FOR HILS



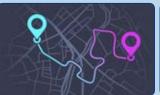
LAB



Autonomous Driving System

ANALYSIS TOOLS





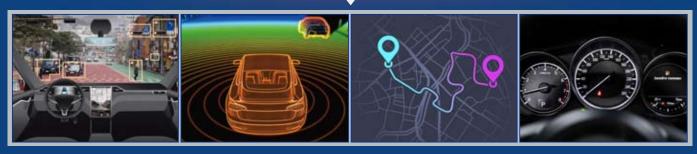




Measurement and Analysis System

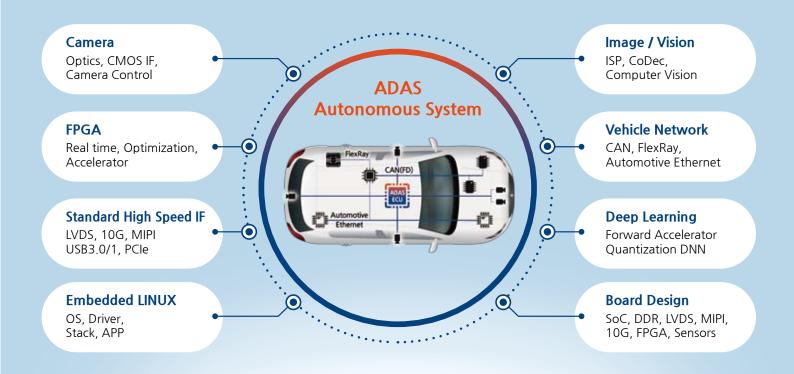


Analysis Tools

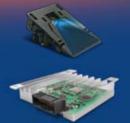


Visiononchip Technologies

for ADAS & Autonomous Vehicle



- Platform Processor (FPGA/SoC/GPU)
- CMOS Sensor (1/2/3/8M)
- 1/2/3/4Ch Camera
- SerDes (FPD-Link/GMSL)
- Network Interface (CAN/AE/FlexRay)
- Sensor Interface (GPS/IMU/Lidar/Radar)
- Algorithm Accelerator Engineering



ADAS Measurement System ADAS Camera & ECU Custom Design

Analysis Tool for Vehicle Network

- Recording, Reprocessing and HILS of ADAS system
- Analysis of ADAS Signals (CAM/CAN/ETH/FlexRay)
- Development and Testing Autonomous Vehicle
- All signal time synchronized
- Camera 1/2/3/4Ch
- CMOS 1/2/3/8M
- FPD-Link/GMSL



• VEMC200

2CH BroadR-Reach-100BASE-TX

Dual Media Converter & TAP Function

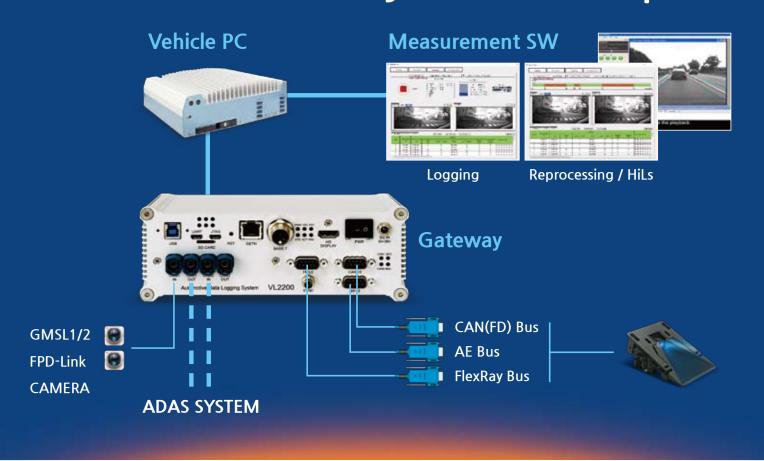


VM1300





Measurement System Concept



Gateway Specification

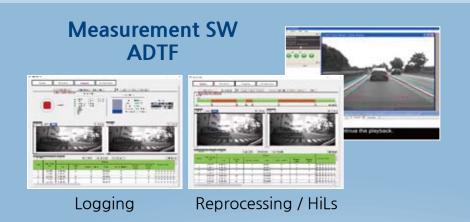
Model		VL1300	VL1400	VL1500	VL2100	VL2200
Main Advantage		High Video Resolution		Low cost	Various application	
DISPLAY		1 × HDMI(*Optional)		X	1 × HDMI	
PC INTERFACE		1xRJ45 10Gbps		USB3.0	1xRJ45 10Gbps (*Option) 1xRJ45 1Gbps	
VIDEO	Channels	1CH	1CH	1CH	3CH	2CH
	Frame rate	Max 44	Max 44	Max 30	Max 30	Max 30
	INPUT/OUTPUT	Max 3840 × 2160	Max 3840 × 2160	Max 1920 × 1080	Max 1920 × 1080	Max 1920 × 1080
	Interface	MAXIM, TI Serdes (Can be customized)				
Vehicle Network	BroadR-Reach	(*Optional)		(*Optional)	2CH × D-SUB	
	CAN	(*Optional)		2CH × D-SUB9	2CH × D-SUB9	
	FlexRay	D-SUB9 (A/B) with Cold starter		(*Optional)	D-SUB9 (A/B) (*Optional)	
	IMU / GPS	*option (Customized according to customer's request)				
	Rader / Lidar	*option (Customized according to customer's request)				

^{*} VL1300 : Reprocessing only.

^{*} Customization service for user environment is available

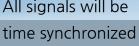
ADAS Measurement System

Recording, Reprocessing and HiLs for ADAS system
Analysis of ADAS signals
Development and Testing for Autonomous Vehicle





Measurement HW All signals will be





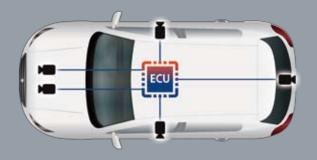


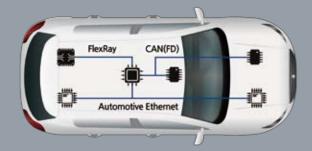




ADAS Camera & ECU

Vehicle Network



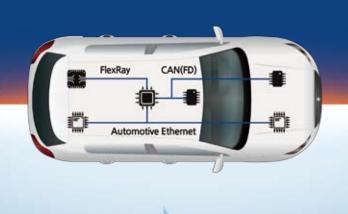


CAN, AE and FlexRay analysis tool

Essential equipment for CAN and Automotive Ethernet ECU development and testing

Analysis SW

- TX/RX Packet Analysis
- Only one tool for all testing tasks
- User-friendly evaluation of results
- Automatic DBC Message & Signal generator
- Affordable tool for monitoring CAN & Automotive Ethernet packets
- Easy Monitoring of CAN & Automotive Ethernet Packets
- Extensive possibilities for simulating and testing ECU
- TCP,UDP and UDP Broadcast



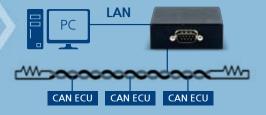
VEMC200 for Automotive Ethernet

- VEMC200 is a Media Converter & Network Tap
- Dual Media Converter
- 2CH BroadR-Reach 100BASE-TX
- Ethernet monitoring between two nodes
- Network Tap data is decoupled of both BroadR-Reach line ends



VEMC300 for CAN

CAN to Ethernet Converter





Technology Leading Company _ Vision On Chip Co., Ltd.

A company that strives for competitiveness and specialization and grows based on customer trust







Creative spirit



Faith & Trust in Humanity



Honesty



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