P&A Technologies

CAN/LIN Simulator and Monitor

ViCSiM

Vehicle Communication Simulator and Monitor

PA-S800

CAN/LIN Communication Simulator and Monitor

Even though it is low in price, it has advanced functions, such as log playback simulation and graph monitor.

A product that embodies requirements of ECU developers

Because it is equipped with functions that are often used by developers, it can be used for a broad range of applications, from **ECU** development to evaluation and verification.

Continuous improvement of functions

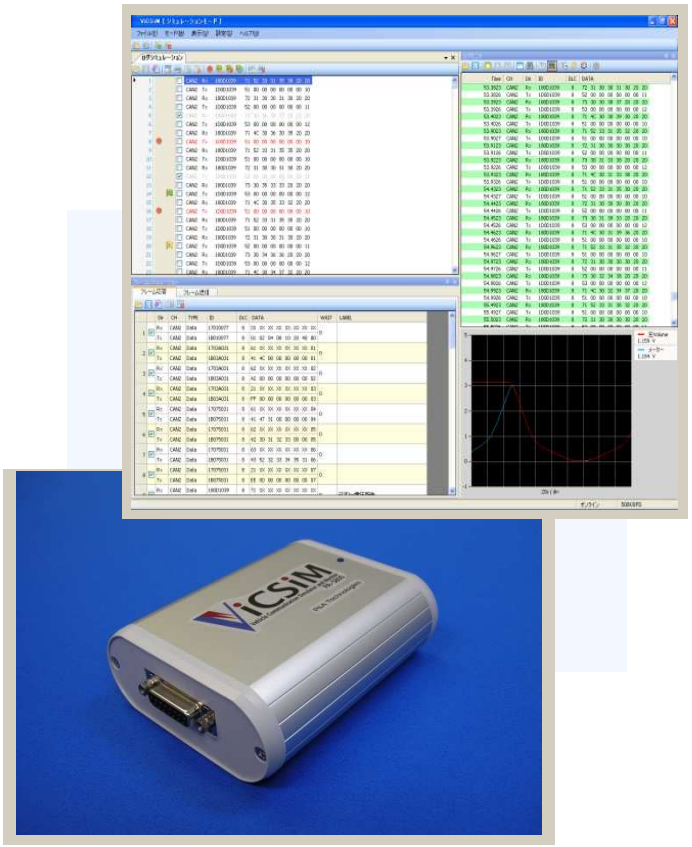
We will make every effort to improve the functions to meet requests of customers.

Because it has a function to update the application firmware, even a version upgrade can be performed by the customer.

We can flexibly respond to your requests

In addition to customization to meet your specifications, we will accept your request for tool development.

We will provide solutions as you desire, using our know-how acquired through participating in the development of **ECU** for years.



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What ViCSiM can do

ViCSiM monitor

ViCSiM simulation

- Log simulation
- Frame response
- Frame transmission

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What ViCSiM can do

Monitor

Displays communication data, such as ECU, on the monitor. Can monitor the data running on the CAN/LIN communication bus.

ECU/actual vehicle

CAN/LIN communication

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Monitors communication data

Devices connected to ECU, such as vehicle diagnosis machine and in-vehicle equipment

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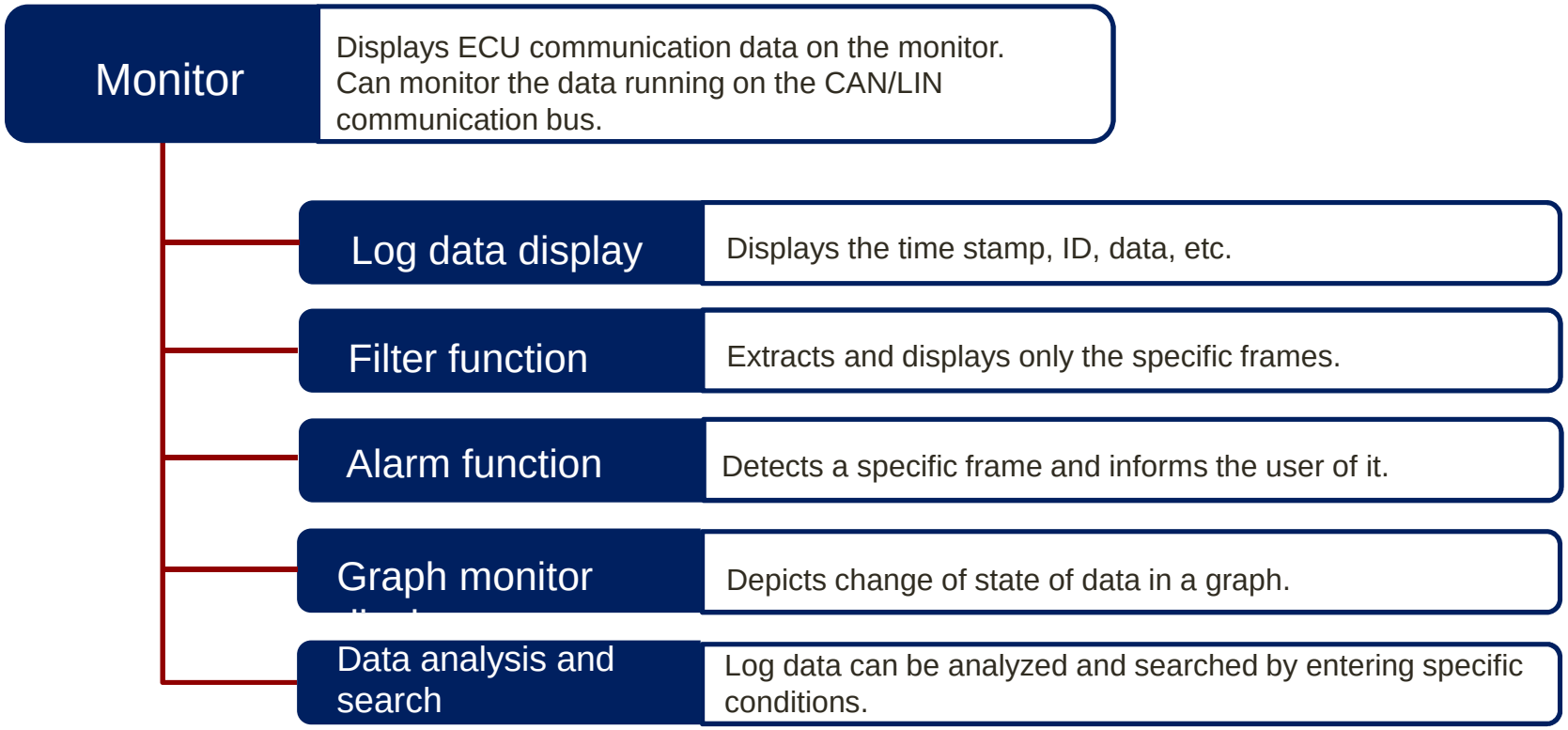
What ViCSiM can do



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What ViCSiM can do

Log simulation	This is a simulation function to playback the monitor log recorded in advance. You can make ViCSiM communicate in place of ECU, etc.

ECU/actual vehicle

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CAN/LIN communication

Devices connected to ECU, such as vehicle diagnosis machine and in-vehicle equipment

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What ViCSiM can do

Log simulation

This is a simulation function to playback the monitor log recorded in advance.
You can make ViCSiM communicate in place of ECU, etc.

- **Log data import function** — Simulation data can be created from the log data file.
- **Log playback function** — A sequential simulation to playback log data communication contents can be performed.
- **Data customization function** — Simulation data can be freely edited, and also can be newly created by the user.
- **Debug execution function** — A break at a specified position or repetitive execution in a specified range can be performed.

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What ViCSiM can do

Frame response

This is a simulation function to transmit a frame when a specified frame is received.
You can make ViCSiM communicate in place of ECU, etc.

ECU/actual vehicle

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CAN/LIN communication request

CAN/LIN communication response

Devices connected to ECU, such as vehicle diagnosis machine and in-vehicle equipment

What ViCSiM can do

Frame response

This is a simulation function to transmit a frame when a specified frame is received.
You can make ViCSiM communicate in place of ECU, etc.

- **Data table creation** — The user can freely create a data table of request/response frames.
- **Frame response function** — Response simulation exactly as in the data table can be performed.
- **Log data import function** — A data table can also be created from the log data file.

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What ViCSiM can do

Frame transmission

Specified frames can be transmitted.
ViCSiM transmits the frames to ECU, etc.

ECU/actual vehicle

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CAN/LIN communication frame

Devices connected to ECU, such as vehicle diagnosis machine and in-vehicle equipment

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What ViCSiM can do

Frame transmission

Specified frames can be transmitted.
ViCSiM transmits the frames to ECU, etc.

- **Data table creation** — The user can freely create a data table of transmission frames.
- **Frame transmission function** — Transmits frames specified by the user.
- **Log data import function** — A data table can also be created from the log data file.

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Log monitor

Log data display

Displays the log data of each channel of CAN/LIN communication at the same time. (Time series display, fixed ID display)

Time stamp display

The time stamp of the log data can be displayed in 100 µs units. (Elapsed time display, differential time display)

Filter function

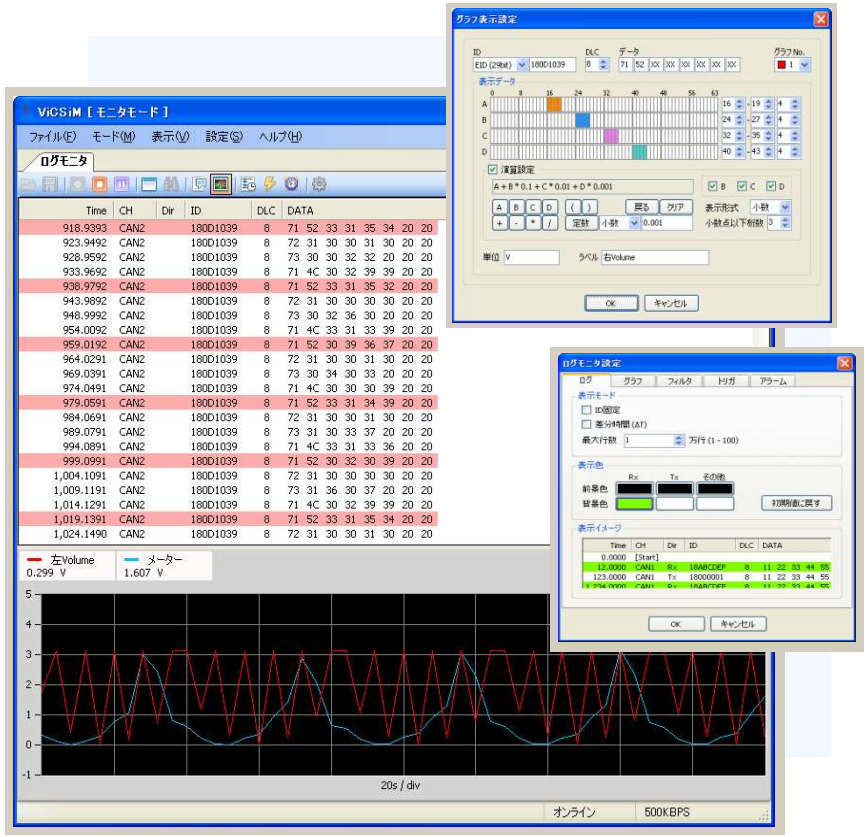
Only specific ID frame data can be displayed.
(Mask setting, ID specification setting)

Alarm function

Alarm can be set for a specific frame.
(Frame color change, alarm count display)

Graph monitoring function

The amount of change of specific data can be displayed in a graph.
(Display of data calculation)



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Log simulation

Log playback simulation

A sequential simulation to playback log data communication can be performed.

Import from the log file and create data

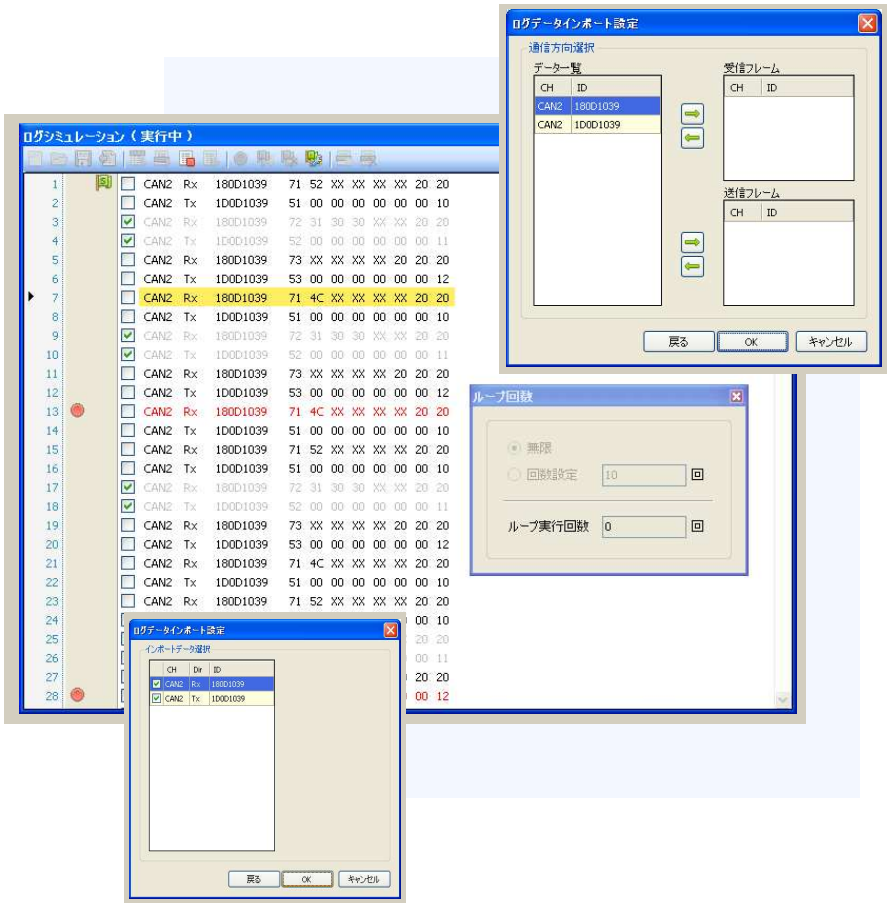
Simulation data can be created, loading the log file recorded in advance.

Simulation data creation and editing

Simulation data can be freely customized.
(Addition of new data, edition of contents, etc.)

Debug execution function

Step execution to execute for each data.
Pausing execution by specifying a break point.
Loop execution to repeatedly execute for data in a specified range.



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Frame response

Frame response

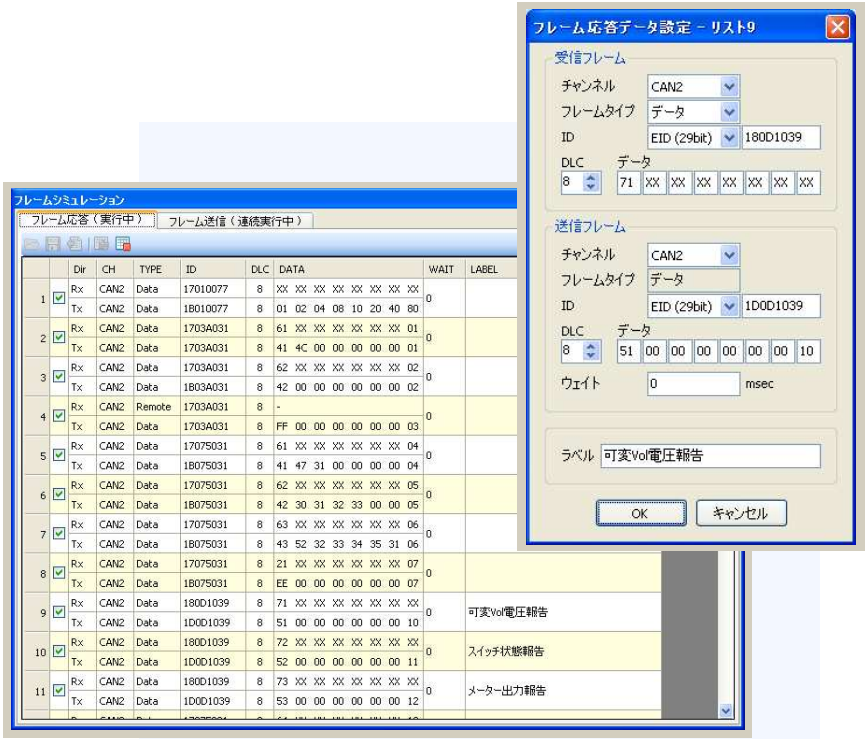
A frame can be transmitted when a specified frame is received.
Weight can be transmitted when transmitting a frame.

Creation of reception/transmission frames

Create a data table of request/response frames.
(Standard ID/extended ID, data frame/remote frame)

Import from the log file and create data

Data can be created, loading the log file recorded in advance.



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Frame transmission

Frame transmission

Specified frames can be transmitted.
One-shot transmission, continuous transmission, interval transmission

Creation of transmission frames

Create a data table of transmission frames.
(Standard ID/extended ID, data frame/remote frame)

Import from the log file and create data

Data can be created, loading the log file recorded in advance.