

Navigating through the simple development of AI applications

AI Navigator: IDE for AI Applications

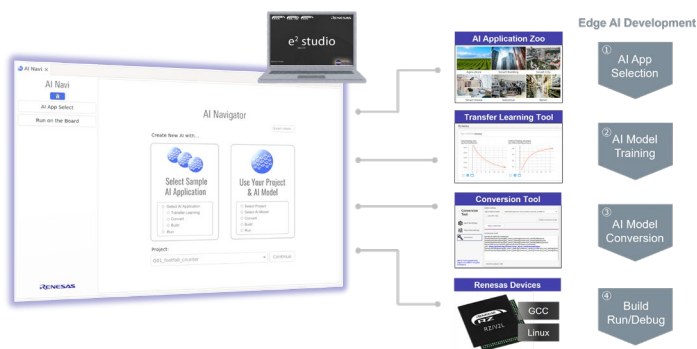
<https://www.renesas.com/ai-navigator>

Providing navigation through the development of AI applications via a GUI and supporting the implementation of AI applications to run on Renesas devices through the shortest steps

In the development of embedded systems that use AI, AI Navigator allows you to operate the various functions required for the development of AI in a consolidated way, shortening development periods.

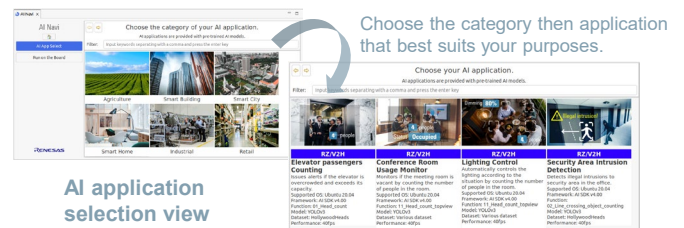
Navigation environments

AI Navigator provides guidance on downloading and installing toolchains for developing AI applications. Accordingly, you can easily set up a development environment for AI applications by installing this plugin into e² studio.



Providing a variety of AI applications and AI models

You can import a variety of AI applications from AI Application Zoo provided by Renesas.



Shortening the periods for developing applications

The AI applications contain converted AI models which are executable on the target devices, so you can easily try AI applications on an evaluation board.

The executable AI models in the AI applications have been released as open source. Accordingly, you can use them with your own applications and thus shorten the periods for the development of AI models.

Providing a transfer learning feature for the AI models

In combination with the transfer learning tool, AI Navigator provides a transfer learning feature for AI models in the AI applications with the use of desired datasets. (RZ/V AI transfer learning tool (TLT))

Shortening the design processes and learning times for AI models

You can tune the AI models in the AI applications which have already been designed and learned to suit your purposes, thus shortening the design processes and learning times for AI models.

Converting the AI models into executable files that are optimized for Renesas devices

In combination with the AI model conversion tools provided by Renesas, a desired AI model can be converted into an executable format that takes advantage of the hardware accelerator on the target device.

The AI models converted into executable files that are generated by the AI model conversion tools achieve more lightweight model sizes and faster select performance on inference.

AI model conversion tools and supported devices

DRP-AI TVM: RZ/V2H, RZ/V2L, and RZ/V2N
 Renesas RUHMI Framework*: RA8

*Powered by EdgeCortex® MERA™ 2.0

Supported device RA8 / RZ/V

Video AI Navigator product page: Videos & Training www.ai-navigator#videos_training

FAQ en-support.renesas.com/knowledgeBase

Community community.renesas.com

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