

[Upgrade to Version]

R20TS1134EJ0100

Rev.1.00

Jul. 05, 2025

Solution Toolkit

AI Navigator V2.0.0: IDE for AI Applications

Outline

AI Navigator, an IDE for AI applications, has been updated from V1.3.0 to V2.0.0.

1. Applicable Product

V1.3.0 of AI Navigator, an IDE for AI applications

2. Description

The main changes are as follows.

For details of the product and methods of installation, refer to the release note at the link below.

- AI Navigator V2.0.0 Release Note
<https://www.renesas.com/document/rln/ai-navigator-v200-release-note>

2.1 New features

- Support for the RA8P1 Group

As the first device group of the RA Family including an AI accelerator, RA8P1 devices incorporate ARM® Ethos™-U55.

For the execution of AI inference processing, RA8P1 devices are used with the RUHMI Framework^{*1}.

➤ Sample AI applications

You can easily start development by selecting an AI application from AI Application Zoo and downloading an e² studio project. You can instantly try an AI application (face detection or image classification) which is available with this device.

➤ User projects

You can develop AI applications in e² studio with user projects that include desired AI models.

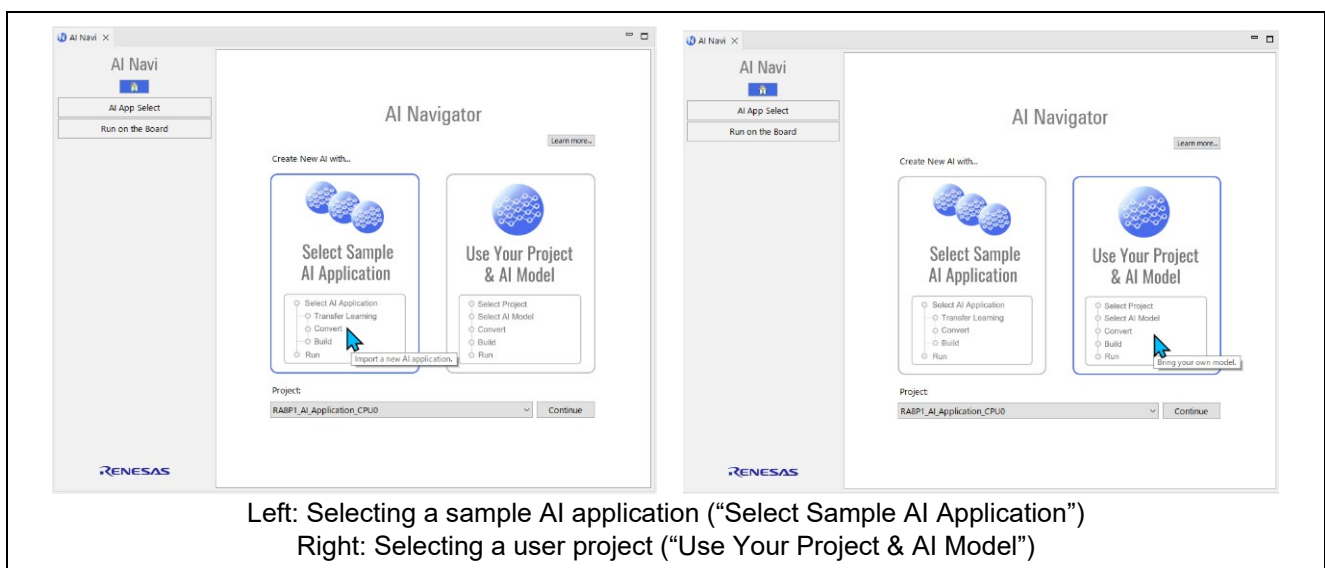


Figure 1 Main View of AI Navigator

➤ AI model conversion

Convert the AI model into code that can be executed by the MCU's on-board AI accelerator. The code thus converted can be embedded in the application.

For RA8P1 devices, individual functions are available in a Windows 10 or Windows 11 environment.

- Support for RZ/V AI Application v5.20

Four applications for RZ/V2N and RZ/V2H devices have been added, so the total number of applications for those devices is now 55.

2.2 Addition of supported devices

RA Family: RA8P1 Group

3. Installing and Using AI Navigator

Read the AI Navigator Quick Start Guide at the link below to learn how to install and use AI Navigator.

- RZ/V: https://renesas-rz.github.io/rzv_ai_sdk/latest/ainavi_quick_start_guide (GitHub)
- RA8P1: [Renesas RUHMI Framework*1 Quick Start Guide](#)

*1 powered by EdgeCortex® MERA™ 2.0

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jul.05.25	-	First edition issued

Renesas Electronics has used reasonable care in preparing the information included in this document, but Renesas Electronics does not warrant that such information is error free. Renesas Electronics assumes no liability whatsoever for any damages incurred by you resulting from errors in or omissions from the information included herein.

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included.

The URLs in the Tool News also may be subject to change or become invalid without prior notice.

Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan
www.renesas.com

Trademarks

Renesas and the Renesas logo are trademarks of Renesas Electronics Corporation. All trademarks and registered trademarks are the property of their respective owners.

Contact Information

For further information on a product, technology, the most up-to-date version of a document, or your nearest sales office, please visit:
www.renesas.com/contact/