# [Upgrade to Version] Solution Toolkit Al Navigator V2.0.0: IDE for Al Applications

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# Outline

Al Navigator, an IDE for Al 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.

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

#### 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<sup>®</sup> 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  $e^2$  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 e<sup>2</sup> studio with user projects that include desired AI models.

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Figure 1 Main View of Al Navigator



### Al 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: <u>Renesas RUHMI Framework<sup>\*1</sup> Quick Start Guide</u>

<sup>\*1</sup> powered by EdgeCortix<sup>®</sup> MERA<sup>™</sup> 2.0



# **Revision History**

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

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