

RZ/V2L Easy Download Guide

Step	Launch of board and evaluation environment Contents Type	Contents Name	Link	RZ/V2L Date			
1	User's Manual	User's Manual: Hardware	<a href="#">Link</a>	Jan, 2024			
2	How to start up the board	Document	SMARC Module Board User's Manual	<a href="#">Link</a>	Apr, 2024		
		Document	SMARC Carrier Board User's Manual	<a href="#">Link</a>	Apr, 2024		
		Document	Evaluation Kit(EVK) Start Up Guide	<a href="#">Link</a>	Jun, 2024		
		Board	SMARC Module Board	<a href="#">Link</a>	-		
3	Evaluation environment start-up (AI SDK)	Information	Renesas AI SDK WEB Page	<a href="#">Link</a>	Jun, 2024		
		Document	AI SDK Release Note	<a href="#">Link</a>	Nov, 2023		
		Compressed file	AI SDK (r11an0752ej0300-rzv2l-ai-sdk.zip)	<a href="#">Link</a>	Nov, 2023		
		--- Document	--- Release Note				
		--- Software	--- Bootloader for RZ/V2L SMARC Board				
		--- Software	--- Pre-Build (Linux Kernel, Device Tree, Filesystem)				
		--- Software	--- Application cross compiler installer				
		--- Software	--- Dockerfile (Dockerfile for installing AI SDK)				
		--- Tool	--- DRP-AI Translator installer				
		--- Software	--- Open Source Software package (for application cross compile)				
		--- Software	--- Linux license information (Sauce code, Lib, Release note)				
		--- Document	--- DRP-AI Driver User's Manual				
		--- Document	--- DRP-AI Translator User's Manual				
		--- Document	--- Component List				
		--- Document	--- Linux License List				
		Compressed file	AI SDK Sauce code (RTK0EF0160F02100S1_linux-src.zip)	<a href="#">Link</a>	Nov, 2023		
		--- Software	--- Yocto recipe package				
		--- Software	--- Open Source Software package (for application cross compile)				
		--- Document	--- Readme				
		4	Evaluation environment start-up (Linux VLP)	<b>Update</b> Compressed file	Linux Verified Linux Package (RTK0EF0045Z0024AZJ-v3.0.6.zip)	<a href="#">Link</a>	Jul, 2024
--- Document	--- Release Note						
--- Document	--- Linux Start-up Guide(r01us0617ej0103-rz-v(Linux Start-up Guide RZV2L).pdf)						
--- Software	--- Yocto recipe packages(rzv_vlp_v3.0.6.tar.gz)						
--- Software	--- Patch file(0001-rz-common-recipes-debian-buster-glibc-update-to-v2.2.patch)						
<b>Update</b> Compressed file	Open source Package(oss_pkg_rzv_v3.0.6.7z)			<a href="#">Link</a>	Jul, 2024		
5	Evaluation environment start-up method (DRP-AI)			<b>Update</b> Compressed file	DRP-AI Support Package (r11an0549ej0750-rzv2l-drpai-sp.zip)	<a href="#">Link</a>	Jul, 2024
				--- Document	--- Release Note		
		--- Software	--- DRP-AI driver				
		--- Software	--- DRP-AI Sample Application				
		--- Software	--- AI Evaluation Software				
		--- Document	--- AI Implementation Guide				
		--- Document	--- Performance report				
		<b>Update</b> Compressed file	DRP-AI Open source Package(oss_pkg_rzv_drpai_v7.50.7z)	<a href="#">Link</a>	Jul, 2024		
6	Evaluation environment start-up method (RTOS for Cortex-M33)	Compressed file	Multi-OS Package (r01an7254ej0200_rzv-multi-os-pkg.zip)	<a href="#">Link</a>	May, 2024		
		--- Document	--- Release Note				
		--- Software	--- Multi-OS Package				
		--- Software	--- Demo Sample				
		--- Document	--- License				
		Document	Getting Started with Flexible Software Package (Application Note)	<a href="#">Link</a>	May, 2024		
		Document	Setting GPIO with Flexible Software Package (Application Note)	<a href="#">Link</a>	May, 2024		
		Document	Release Note for Flexible Software Package	<a href="#">Link</a>	May, 2024		
		Document	FSP Documentation	<a href="#">Link</a>	May, 2024		
		Software & Tool	RZ/V FSP_Packs (RZV_FSP_Packs_v2.0.0.exe)	<a href="#">Link</a>	May, 2024		
7	Evaluation environment start-up method (ISP)	<b>Update</b> Compressed file	ISP Support Package (r11an0561ej0140-rzv2l-isp-sp.zip)	<a href="#">Link</a>	Jul, 2024		
		--- Document	--- Release Note				
		--- Document	--- Simple ISP User's Manual				
		--- Document	--- Simple ISP Sample Application Note				
		--- Document	--- Simple ISP Support Package note of caution.				
		--- Software	--- Recipe to add ISP support to Linux Package				
		--- Software	--- Sample source codes of RZ/V2L Simple ISP				
		--- Software	--- Adjustment tool of RZ/V2L Simple ISP				
8	Evaluation environment start-up method (Graphics Library)	<b>Update</b> Compressed file	Graphics Library Evaluation Version (RTK0EF0045Z13001ZJ-v1.2.2_rzv_EN.zip)	<a href="#">Link</a>	Jul, 2024		
		--- Document	--- Integration Guide				
		--- Document	--- License				
		--- Software	--- Graphics Library Package				
		<b>Update</b> Compressed file	Graphics Library Unrestricted Version (RTK0EF0045Z14001ZJ-v1.2.2_rzv_EN.zip)	<a href="#">Link</a>	Jul, 2024		
		--- Document	--- Integration Guide				
		--- Document	--- License				
		--- Software	--- Graphics Library Package				

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9	Evaluation environment start-up method (Video Codec Library)				
	<i>Update</i>	Compressed file	Video Codec Library Evaluation Version (RTK0EF0045Z15001ZJ-v1.2.2_EN.zip)	<a href="#">Link</a>	Jul, 2024
		--- Document	--- Integration Guide		
		--- Document	--- License		
		--- Software	--- Video Codec Library Package		
	<i>Update</i>	Compressed file	Video Codec Library Unrestricted Version (RTK0EF0045Z16001ZJ-v1.2.2_rzv_EN.zip)	<a href="#">Link</a>	Jul, 2024
		--- Document	--- Integration Guide		
		--- Document	--- License		
		--- Software	--- Video Codec Library Package		
10	Evaluation environment start-up method (Security)				
	<i>Update</i>	Compressed file	Security Package (RZV_SECURITY_PACKAGE_v1.4.3.zip)	<a href="#">Link</a>	Jul, 2024
		--- Document	--- Release Note		
		--- Document	--- User's Manual		
		--- Document	--- StartUp Guide		
		--- Software	--- Security Package		
11	How to launch various tools				
		Tool	DRP-AI Translator Installer	<a href="#">Link</a>	May, 2024
		Document	DRP-AI Translator Release Note	<a href="#">Link</a>	May, 2024
		Document	DRP-AI Translator User's Manual	<a href="#">Link</a>	May, 2024
	<i>Update</i>	Tool	DRP-AI TVM	<a href="#">Link</a>	Jul, 2024
		Tool	e <sup>2</sup> studio 2024-01.1 installer for Windows	<a href="#">Link</a>	Jan, 2024
		Tool	e <sup>2</sup> studio 2024-01.1 Linux Host	<a href="#">Link</a>	Jan, 2024
		Document	Release Note for e <sup>2</sup> studio	<a href="#">Link</a>	Jan, 2024
		Tool	Smart Configurator	<a href="#">Link</a>	Feb, 2024
		Document	Smart Configurator Release Note	<a href="#">Link</a>	Feb, 2024
		Document	Smart Configurator for RZ User's Guide	<a href="#">Link</a>	Jul, 2020

Step	Custom board development	Contents Type	Contents Name	Link	RZ/V2L Date
<i>Update</i>	PCB design checklist when designing a custom board	Document	Check List for PCB Design	<a href="#">Link</a>	Jul, 2024
	PCB Design Guide for High Speed Serial Interface	Document	PCB Design Guidelines for MIPI-CSI, MIPI-DSI and USB2.0	<a href="#">Link</a>	Nov, 2023
	PCB Design Guide for DDR memory	Document	PCB Design Guide for DDR memory	<a href="#">Link</a>	Mar, 2023
	PCB Verification Guide for Core	Document,Model	PCB verification guide for Core VDD	<a href="#">Link</a>	May, 2024
	PCB Verification Guide for DDR memory	Document,Model	PCB Verification Guide for DDR memory	<a href="#">Link</a>	Oct, 2023
	Reference Design Data(Schamtics,Layout,BOM)	Design Data	RZ/V2L SMARC Module Board Design Data	<a href="#">Link</a>	Apr, 2024
	Reference Design Data(Schamtics,Layout,BOM)	Design Data	RZ SMARC Series Carrier Board Design Data	<a href="#">Link</a>	Apr, 2024
	IBIS(For LSI)	Model	RZ/V2L IBIS	<a href="#">Link</a>	May, 2024
	Boundary Scan Description Language file	Model	RZ/V2L BSDL	<a href="#">Link</a>	Mar, 2024
	Mecanical Handling Guideline	Document	Mecanical Handling Guideline	<a href="#">Link</a>	Nov, 2023
	Thermal Management Guide	Document	Thermal Management Guide	<a href="#">Link</a>	Nov, 2021
	Reference Power consumption	Document	RZ/V2L Reference power consumption guide(typ.)	<a href="#">Link</a>	Nov, 2021
	Reflow Soldering conditions	Document	Mount Conditions Reflow Soldering Conditions	<a href="#">Link</a>	Dec, 2023
	Baking conditions	Document	Mount Conditions Baking Conditions	<a href="#">Link</a>	Jun, 2024
	Lifetime estimation guide	Document	Lifetime Guideline	<a href="#">Link</a>	Nov, 2023
	Power Management IC installed in EVK	Device Info	Power Management IC	<a href="#">Link</a>	-
	Clock Generator IC installed in EVK	Device Info	Clock Generator IC	<a href="#">Link</a>	-

Step	Information for engineers	Contents Type	Contents Name	Link	RZ/V2L Date
	RZ/V Series 64-bit MPU ( <b>Renesas Wiki</b> )	Link summary	Introduction,Boards,Software and Documentation	<a href="#">Link</a>	-
	FAQ	Link summary	Knowledgebase / FAQ	<a href="#">Link</a>	-
	Contact Support	QA Ticket	Technical Q&A	<a href="#">Link</a>	-

**[Supplementary information] Renesas recommends using AI SDK.**

Step	Information for engineers	Contents Type	Contents Name	Link	RZ/V2L Date
	Old Version Software & Tools				
		Software	RZ/V Verified Linux Package [5.10-CIP] v3.0.5	<a href="#">Link</a>	Jan, 2024
		Software	Open source Package v3.0.5	<a href="#">Link</a>	Jan, 2024
		Software	RZ/V2L DRP-AI Support Package v7.41	<a href="#">Link</a>	Jan, 2024
		Software	RZ/V2L ISP Support Package v1.30	<a href="#">Link</a>	Jul, 2023
		Software	Graphics Library Evaluation Version v1.2.0	<a href="#">Link</a>	Jan, 2024
		Software	Video Codec Library Evaluation Version v1.2.0	<a href="#">Link</a>	Jan, 2024
		Software	AI Demo SD image(Object Detection, Pose Estimation, Classification)	<a href="#">Link</a>	Jan, 2024
		Software	AI Demo Pre-build(Object Detection, Pose Estimation, Classification)	<a href="#">Link</a>	Jan, 2024
		Tool	DRP-AI Translatorv1.83	<a href="#">Link</a>	Sep, 2023
	Old Version Software & Tools				
		Software	RZ/V Verified Linux Package [5.10-CIP] v3.0.4	<a href="#">Link</a>	Jul, 2023
		Software	Open source Package v3.0.4	<a href="#">Link</a>	Jul, 2023
		Software	RZ/V2L DRP-AI Support Package v7.40	<a href="#">Link</a>	Jul, 2023
		Software	RZ/V2L ISP Support Package v1.30	<a href="#">Link</a>	Jul, 2023
		Software	Graphics Library Evaluation Version v1.1.0	<a href="#">Link</a>	Jul, 2023
		Software	Video Codec Library Evaluation Version v1.1.0	<a href="#">Link</a>	Jul, 2023
		Software	CM33 Multi-OS Package v1.11	<a href="#">Link</a>	Jul, 2023
		Tool	DRP-AI Translatorv1.82	<a href="#">Link</a>	Mar, 2023
	Old Version Software & Tools				
		Software	RZ/V Verified Linux Package 3.0.0 update2	<a href="#">Link</a>	Aug, 2022
		Software	Open Source Software Package	<a href="#">Link</a>	Aug, 2022
		Software	RZ/V2L DRP-AI Support Package v7.20	<a href="#">Link</a>	Oct, 2022
		Software	RZ/V2L ISP Support Package v1.20	<a href="#">Link</a>	Jul, 2022
		Software	Graphics Library v1.21	<a href="#">Link</a>	Oct, 2022
		Software	Codec Library v0.58	<a href="#">Link</a>	Oct, 2022
		Software	CM33 Multi-OS Package v1.02	<a href="#">Link</a>	Oct, 2022
		Tool	DRP-AI Translatorv1.80	<a href="#">Link</a>	Sep, 2022