

RZ/V2H Easy Download Guide

Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/V2H Link
0	Product introduction	Document	RZ Family Brochure	Link
		Document	RZ/V2H White Paper	Link
		Document	RZ/V2H Group Flyer	Link
		Document	RZ/V2H Group Datasheet	Link
1	User's Manual	Document	User's Manual: Hardware	Link
		Document	[NDA]User's Manual: Hardware (Additional document) *Information about PHYs for DDR, ICU, GbitEther, USB3, TSU, SCU, and Audio has been added.	Link
		Technical Update	Write access issue in case of accessing external DDR memory	Link
2	How to start up the board	Document	RZ/V2H Evaluation Board Kit (Secure type) Hardware Manual	Link
		Board	RZ/V2H Evaluation Board Kit	Link
		Camera module	e-CAM22_CURZH (IMX462@Full HD Sensor, with ISP)	Link
3	Evaluation environment start-up (AI SDK)	Information	Renesas AI SDK WEB Page	Link
		<i>Update</i> Document	AI SDK Release Note	Link
		<i>Update</i> Compressed file	AI SDK V5.00 (RTK0EF0180F03000SJ.zip)	Link
		--- Document	--- Release Note	
		--- Software	--- Pre-Build for eSD(Bootloader, Linux Kernel image, Device Tree, Filesystem)	
		--- Software	--- Application cross compiler installer	
		--- Software	--- Dockerfile (Dockerfile for installing AI SDK)	
		--- Tool	--- DRP-AI Translator i8 installer	
		--- Document	--- DRP-AI Translator User's Manual	
		--- Document	--- DRP-AI Quantizer User's Manual	
		--- Document	--- Component List	
		--- Document	--- Linux License List	
		4	<i>Update</i>	Compressed file
--- Software	--- Yocto recipe package			
--- Document	--- Readme			
5	Linux Manual Set	<i>Update</i> Document	BSP Manual Set (RTK0EF0045Z94001AZJ-v1.0.1.zip)	Link
		Document	Linux Interface Specification Gstreamer User's Manual: Software	Link
6	Evaluation environment start-up method (RTOS for Cortex-M33, Cortex-R8)	<i>Update</i> Compressed file	Multi-OS Package (r01an7254ej0210_rzv-multi-os-pkg.zip)	Link
		--- Document	--- Release Note	
		--- Software	--- Multi-OS Package	
		--- Software	--- Cortex-M33 Demo Sample (rzv2h_cm33_rpmsg_demo.zip)	
		--- Software	--- Cortex-R8 Demo Sample (rzv2h_cr8_rpmsg_demo.zip)	
		--- Document	--- License	
		<i>Update</i> Software & Tool	Flexible Software Package (RZV_FSP_Packs_v2.0.2.exe)	Link
		<i>Update</i> Document	Release Note for Flexible Software Package	Link
7	Video Codecs Library Package for AI-SDK	Document	(AI SDK Web Page)Installation Guide *Listed in Appendix 3	Link
		Compressed file	Video Codecs Library Package (RTK0EF0192Z00001ZJ.zip)	Link
		--- Software	--- Video codec library (meta-rz-features.tar.gz)	
		--- Patch File	--- 0001-rzv2h-conf-r9a09g057-Add-hwcodec-to-MACHINE_FEATURE.patch	
8	ISP Support Package	<i>New</i> Document	Release Note	Link
		<i>New</i> Compressed file	[NDA]ISP Support Package IMX415 Dual (r01an7210ej0110-rzv2h-isp-sp.zip)	Link
		--- Software	--- SW	
		--- Software	--- meta-rz-features-ISP	
		--- Software	--- sample-app-v1.1.1.tar.gz	
		--- Software	--- meta-rz-features_isp_R1.1.0.tar.gz	
		--- Software	--- single-sensor.patch	
			--- ARM_tool	
		--- Tool	--- control_tool	
		--- Tool	--- calibration_tool	
			--- Doc	
--- Document	--- 01_ARM			
--- Document	--- 02_SW			
--- Document	--- 03_Hardware			
--- Document	--- 04_Sensor_Board			

Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/V2H Link
9	Security Package for Linux OS	<i>New</i> Document	Security Solution Overview	Link
		<i>New</i> Compressed file	[NDA]Security Package (RZV2H_SECURITY_PACKAGE_v1.0.1-update1.zip)	Link
		--- Software	--- rzv2h_security.tar.gz	
		--- Document	--- r11ut0106ej0102-rz-v2h(Release Note).pdf	
		--- Document	--- r11an0887ej0120-rz(Security StartUp Guide RZV2H).pdf	
		--- Document	--- r11an0886ej0101-rz(Security User's Manual RZV2H).pdf	

10	Evaluation environment start-up method (ROS2)	Web site	ROS2 Support Package GitHub	Link
		Software	--- meta-rz-features-ros (ROS2 Support Package) --- meta-rzv2-ros-galactic --- recipes-darknet (ROS2 Sample Application)	
		Document	ROS2 Sample Application Package Release Note	Link
		Document	ROS2 Sample Application Guide	Link

11	How to launch various tools	<i>Uptate</i> Tool	DRP-AI TVM	Link
		Tool	DRP-AI Translator i8	Link
		Document	DRP-AI Translator i8 Release Note	Link
		<i>Uptate</i> Tool	DRP-AI Extension Pack (Pruning Tool) Version 1.1.0	Link
		<i>Uptate</i> Document	DRP-AI Extension Pack (Pruning Tool) User's Manual	Link
		Tool	e ² studio 2024-01.1 installer for Windows	Link
		Tool	e ² studio 2024-01.1 Linux Host	Link
		Document	Release Note for e ² studio	Link
		Tool	Smart Configurator	Link
		Document	Smart Configurator for RZ User's Guide	Link

Step	Custom board development	Contents Type	Contents Name	RZ/V2H Link
	LPDDR4/4X Controller Configuration	Compressed file	[NDA]DDRTOP Application Note	Link
		--- Document	Application Note	
		--- Document	LPDDR4/4X Controller Configuration Guide(RZV2H_DDRTOP_APN_r01p04.xlsx)	
		--- Tool	Setting tool	

PCB Design Guide	Document	[NDA]PCB Design Guidelines	Link
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Thermal Design Guide	Document	Thermal Design Guide	Link
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Lifetime estimation guide	Document	Lifetime Guideline	Link
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LSI Design Model (IBIS)	Model	[NDA]LSI IBIS	Link
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Interface Design Model (Spara, IBIS)	<i>Uptate</i> Compressed file	[NDA]Design Model (Spara, IBIS)	Link
	--- Folder	Signal_Integrity	
	--- Folder	--- USB	
	--- Model	--- USB3_IBIS	
	--- Model	--- USB2_IBIS	
	--- Design Data	--- PKG_s-parameter	
	--- Folder	--- Document	
	--- Document	--- USB_Signal_model_port_diagram.pdf	
	--- Document	--- IBIS AMI Model Manual.pdf	
	--- Document	--- README.txt	
	--- Folder	--- PCI	
	--- Model	--- IBIS	
	--- Design Data	--- PKG_s-parameter	
	--- Folder	--- Document	
	--- Document	--- PCIe_Signal_model_port_diagram.pdf	
	--- Document	--- IBIS Release Note.pdf	
	--- Folder	--- MIPI_DSI	
	--- Model	--- IBIS	
	--- Design Data	--- PKG_s-parameter	
	--- Folder	--- Document	
	--- Document	--- MIPI_TX_Signal_model_port_diagram.pdf	
	--- Folder	--- MIPI_CSI2	
	--- Model	--- IBIS	
	--- Design Data	--- PKG_s-parameter	
	--- Folder	--- Document	
	--- Document	--- MIPI_RX_Signal_model_port_diagram.pdf	
	--- Folder	--- LPDDR	
	--- Model	--- LPDDR4_IBIS	
	--- Model	--- LPDDR4x_IBIS	
	--- Design Data	--- PKG_s-parameter	
	--- Folder	--- Document	
	--- Document	--- pcb-verification-guide-lpddr4-4x.pdf	

			RZ/V2H
Step	Custom board development	Contents Type	Contents Name
	Reference Desing Data	Compressed file	CPU Board Design Data
		--- Design Data	--- Schamtics
		--- Design Data	--- BOM List
		--- Design Data	--- Circuit Data (.DSN)
		--- Design Data	--- Layout Data (.brd)
		--- Design Data	--- Gerber Data
	Reference Desing Data	Compressed file	EXP Board Design Data
		--- Design Data	--- Schamtics
		--- Design Data	--- BOM List
		--- Design Data	--- Circuit Data (.DSN)
		--- Design Data	--- Layout Data (.brd)
		--- Design Data	--- Gerber Data
			RZ/V2H
Step	Information for engineers	Contents Type	Contents Name
	RZ/V Series 64-bit MPU (Renesas info)	Link summary	Introduction,Boards,Software and Documentation
	FAQ	Link summary	Knowledgebase / FAQ
	Contact Support	QA Ticket	Technical Q&A