

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 |
| | | Document | AI SDK Release Note | Link |
| | | Compressed file | AI SDK V4.00 (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 | | Compressed file | AI SDK Sauce code (RTK0EF0180F03000SJ_linux-src.zip) | Link |
| | | --- Software | --- Yocto recipe package | |
| | | --- Document | --- Readme | |
| 5 | Linux Manual Set | Document | BSP Manual Set (RTK0EF0045Z94001AZJ-v1.0.0.zip) | Link |
| | | Document | Linux Interface Specification Gstreamer User's Manual: Software | Link |
| 6 | Evaluation environment start-up method (RTOS for Cortex-M33, Cortex-R8) | Compressed file | Multi-OS Package (r01an7254ej0200_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 | |
| | | Software & Tool | Flexible Software Package (RZV_FSP_Packs_v2.0.0.exe) | Link |
| | | Document | Release Note for Flexible Software Package | Link |
| | | Document | Getting Started with 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 | 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 |
| | | | | |
| 9 | How to launch various tools | Tool | DRP-AI TVM (DRP-AI Translator i8) | Link |
| | | Tool | DRP-AI Extension Pack (Pruning Tool) Version 1.0.0 | Link |
| | | 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 |

| | | | RZ/V2H |
|------|--|---|---|
| Step | Custom board development | Contents Type | Contents Name |
| | LPDDR4/4X Controller Configuration | Compressed file --- Document --- Document --- Tool | [NDA]DDRTOP Application Note Application Note LPDDR4/4X Controller Configuration Guide Setting tool Link |
| | PCB Design Guide | Document | [NDA]PCB Design Guidelines Link |
| | Thermal Design Guide | Document | Thermal Design Guide Link |
| | Lifetime estimation guide | Document | Lifetime Guideline Link |
| | LSI Design Model (IBIS) | Model | [NDA]LSI IBIS Link |
| | Interface Design Model (Spara, IBIS) | Model | [NDA]Interface (Spara, IBIS) Link |
| | Reference Desing Data | Compressed file --- Design Data --- Design Data --- Design Data --- Design Data --- Design Data | CPU Board Design Data --- Schamtics --- BOM List --- Circuit Data (.DSN) --- Layout Data (.brd) --- Gerber Data Link |
| | Reference Desing Data | Compressed file --- Design Data --- Design Data --- Design Data --- Design Data --- Design Data | EXP Board Design Data --- Schamtics --- BOM List --- Circuit Data (.DSN) --- Layout Data (.brd) --- Gerber Data Link |
| | | | 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 Link |
| | FAQ | Link summary | Knowledgebase / FAQ Link |
| | Contact Support | QA Ticket | Technical Q&A Link |