

RZ/V AVAILABLE PARTNER CAMERA MODULE LIST

REV.2.05

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RENESAS ELECTRONICS CORPORATION

DOCUMENT OVERVIEW

*(note) Excluding some camera modules.

- This document explains available camera modules with MIPI CSI-2 interface for RZ/V2L, RZ/V2M, RZ/V2H, and RZ/V2N which are provided by our partners.
- For camera modules in this list, necessary software and documentation are provided by partner^{*(note)}.
- The operation of these camera modules are guaranteed not by Renesas, but by each camera module vendor.
- If you need to support for camera modules operation, please contact to camera module vendor.

[RZ/V2H] CAMERA MODULE LIST (WITH ON-BOARD ISP)

Camera vendor	P/N	Sensors used	Type	Camera Spec (Pixel / Shutter type)	ISP	Status	Note
TechNexion	TEVS-AR0144	AR0144	YUV	1MP / Global shutter	on camera	MP	<p>Necessary S/W and documentation are provided by TechNexion.</p> <p>These listings are only part of the lineup. For other P/Ns, please refer to the TechNexion website.</p> <p>P/N for RZ/V2H has the suffix, “*-RPI22”</p>
	TEVS-AR0145	AR0145	YUV(mono)	1MP / Global shutter	on camera	MP	
	TEVS-AR0234	AR0234	YUV	2MP / Global shutter	on camera	MP	
	TEVS-AR0235	AR0235	YUV	2MP / Global shutter	on camera	MP	
	TEVS-AR0246	AR0246	YUV	2MP / Rolling shutter	on camera	MP	
	TEVS-AR0521	AR0521	YUV	5MP / Rolling shutter	on camera	MP	
	TEVS-AR0522	AR0522	YUV	5MP / Rolling shutter	on camera	MP	
	TEVS-AR0821	AR0821	YUV	8MP / Rolling shutter	on camera	MP	
	TEVS-AR0822	AR0822	YUV	8MP / Rolling shutter	on camera	MP	
	TEVS-AR1335	AR1335	YUV	13MP / Rolling shutter	on camera	MP	
e-con Systems	e-CAM22_CURZH	IMX462	YUV	2MP / Rolling shutter	on camera	MP	Necessary S/W and documentation are provided by e-con systems
	e-CAM25_CURZH	AR0234	YUV	2MP / Global shutter	on camera	MP	
	e-CAM84_CURZH	AR0830	YUV	8MP / Rolling shutter	on camera	MP	
Shikino High-Tech	KBCR-S08MM	OX01F10	YUV	1.3MP / Rolling shutter	on camera	MP	Necessary S/W and documentation are provided by Shikino High-Tech
ArduCam	SKU: B0541	IMX678	YUV	8.3MP / Rolling shutter	on camera	MP	Necessary S/W and documentation are provided by Arducam
	SKU: B0542	AR2020	YUV	20MP / Rolling shutter	on camera	MP	
	SKU: B0543	IMX283	YUV	20MP / Rolling shutter	on camera	MP	
	SKU: B0544	AR2020	YUV(mono)	20MP / Rolling shutter	on camera	MP	
	SKU: B0545	IMX585	YUV	8.3MP / Rolling shutter	on camera	MP	
	SKU: B0546	IMX462	YUV	2MP / Rolling shutter	on camera	MP	
	SKU: B0547	AR0234	YUV	2.3MP / Global shutter	on camera	MP	

[RZ/V2H] CAMERA MODULE LIST (REQUIRING RZ/V ON-CHIP ISP)

Camera vendor	P/N	Sensors used	Type	Camera Spec (Pixel / Shutter type)	ISP	Status	Note
e-con Systems	e-CAM37_CURZH	IMX900	RGB raw	3MP / Global shutter	on MPU	MP	Necessary S/W and documentation are provided by e-con systems
	e-CAM80_CRUZ	IMX415	RGB raw	8MP / Rolling shutter	on MPU	MP	
	e-CAM86_CRUZ	IMX678	RGB raw	8MP / Rolling shutter	on MPU	MP	
InnoWave	INV-AR0246FF-2MP	AR0246	RGB raw	2MP / Rolling shutter	on MPU	MP	Necessary S/W and documentation are provided by InnoWave
CSM.SOL	IMX415 board for V2H	IMX415	RGB raw	8MP / Rolling shutter	on MPU	MP	Reference camera module for evaluation of RZ/V2H ISP support package

Note: To operate these camera modules, the [RZ/V2H ISP support package](#) provided by Renesas is required.

[RZ/V2N] CAMERA MODULE LIST (WITH ON-BOARD ISP)

Camera vendor	P/N	Sensors used	Type	Camera Spec (Pixel / Shutter type)	ISP	Status	Note
TechNexion	TEVS-AR0144	AR0144	YUV	1MP / Global shutter	on camera	MP	<p>Necessary S/W and documentation are provided by Technexion</p> <p>These listings are only part of the lineup. For other P/Ns, please refer to the TechNexion website.</p> <p>P/N for RZ/V2N has the suffix, “*-RPI22”</p>
	TEVS-AR0145	AR0145	YUV(mono)	1MP / Global shutter	on camera	MP	
	TEVS-AR0234	AR0234	YUV	2MP / Global shutter	on camera	MP	
	TEVS-AR0235	AR0235	YUV	2MP / Global shutter	on camera	MP	
	TEVS-AR0246	AR0246	YUV	2MP / Rolling shutter	on camera	MP	
	TEVS-AR0521	AR0521	YUV	5MP / Rolling shutter	on camera	MP	
	TEVS-AR0522	AR0522	YUV	5MP / Rolling shutter	on camera	MP	
	TEVS-AR0821	AR0821	YUV	8MP / Rolling shutter	on camera	MP	
	TEVS-AR0822	AR0822	YUV	8MP / Rolling shutter	on camera	MP	
	TEVS-AR1335	AR1335	YUV	13MP / Rolling shutter	on camera	MP	
e-con Systems	e-CAM22_CURZH	IMX462	YUV	2MP / Rolling shutter	on camera	MP	<p>Necessary S/W and documentation are provided by e-con systems</p>
	e-CAM25_CURZH	AR0234	YUV	2MP / Global shutter	on camera	MP	
	e-CAM84_CURZH	AR0830	YUV	8MP / Rolling shutter	on camera	MP	
Shikino High-Tech	KBCR-S08MM	OX01F10	YUV	1.3MP / Rolling shutter	on camera	MP	<p>Necessary S/W and documentation are provided by Shikino High-Tech</p>

[RZ/V2N] CAMERA MODULE LIST (REQUIRING RZ/V ON-CHIP ISP)

Camera vendor	P/N	Sensors used	Type	Camera Spec (Pixel / Shutter type)	ISP	Status	Note
e-con Systems	e-CAM37_CURZH	IMX900	RGB raw	3MP / Global shutter	on MPU	MP	Necessary S/W and documentation are provided by e-con systems
CSM.SOL	IMX415 board for V2H	IMX415	RGB raw	8MP / Rolling shutter	on MPU	MP	Reference camera module for evaluation of RZ/V2N ISP support package

Note: To operate these camera modules, the [RZ/V2N ISP support package](#) provided by Renesas is required.

[RZ/V2L] CAMERA MODULE LIST (WITH ON-BOARD ISP)

Camera vendor	P/N	Sensors used	Type	Camera Spec (Pixel / Shutter type)	ISP	Status	Note
e-con Systems	e-CAM21_CURZ	IMX462	YUV	2MP / Rolling shutter	on camera	MP	Necessary S/W and documentation are provided by e-con Systems
	e-CAM20_CURZ	AR0234	YUV	2MP / Global shutter	on camera	MP	
ArduCam	SKU:B0530	OV5640	YUV	5MP / Rolling shutter	on camera	MP	Necessary S/W and documentation are provided by Arducam Quick Start Guide - Arducam Wiki
	SKU:B0529	OV5645	YUV	5MP / Rolling shutter	on camera	MP	
Coral (EOL)	G840-00180-01	OV5645	YUV	5MP / Rolling shutter	on camera	MP	Attached with RZ/V2L EVK
Shikino	KBCR-S08MM	OX01F10	YUV	1.3MP/Rolling shutter	on camera	MP	Necessary S/W and documentation are provided by Shikino

[RZ/V2M] CAMERA MODULE LIST (REQUIRING RZ/V ON-CHIP ISP)

Camera vendor	P/N	Sensors used	Type	Camera Spec (Pixel / Shutter type)	ISP	Status	Note
FRAMOS <small>*(Note)</small>	FSM-IMX462	IMX462	RGB raw	2MP / Rolling shutter	on MPU	MP	RZ/V2M ISP Support Package for IMX462 required
	FSM-IMX568	IMX568	RGB raw	2MP / Global shutter	on MPU	MP	RZ/V2M ISP Support Package for IMX568 required
	FSM-AR1335	AR1335	RGB raw	5MP / Rolling shutter	on MPU	MP	RZ/V2M ISP Support Package for AR1335 required
Renesas	IMX415 Sensor Board	IMX415	RGB raw	8MP / Rolling shutter	on MPU	MP	Attached with RZ/V2M EVK Cannot purchases separately RZ/V2M ISP Support Package for IMX415 required

Note: FSM Adapter board for RZ/V2M EVK required, which are provided by [CSM.SOL](#)
 Adapter board for FSM-IMX462, FSM-AR1335 : [Link](#)
 Adapter board for FSM-IMX568 : [Link](#)

REVISION HISTORY

Rev.	Date	Description	
		Page	Summary
1.00	Feb, 2025	-	First edition issued.
2.00	March.2025	4	Added information for RZ/V2N
		-	Some sensor information updated
2.01	Jun.2025	4	New sensor information, added
2.02	Oct.2025	3	New sensor information, added
		5	Fixed broken links
2.03	Dec.2025	3	New sensor information, added
2.04	Jan.2026	3	New sensor information, added
2.05	Jun.2026	3 to 6	The lists are separated into those with and without an ISP.
		4	InnoWave camera module, added
		3, 5	Fixed broken links
		-	Page titles, modified

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