

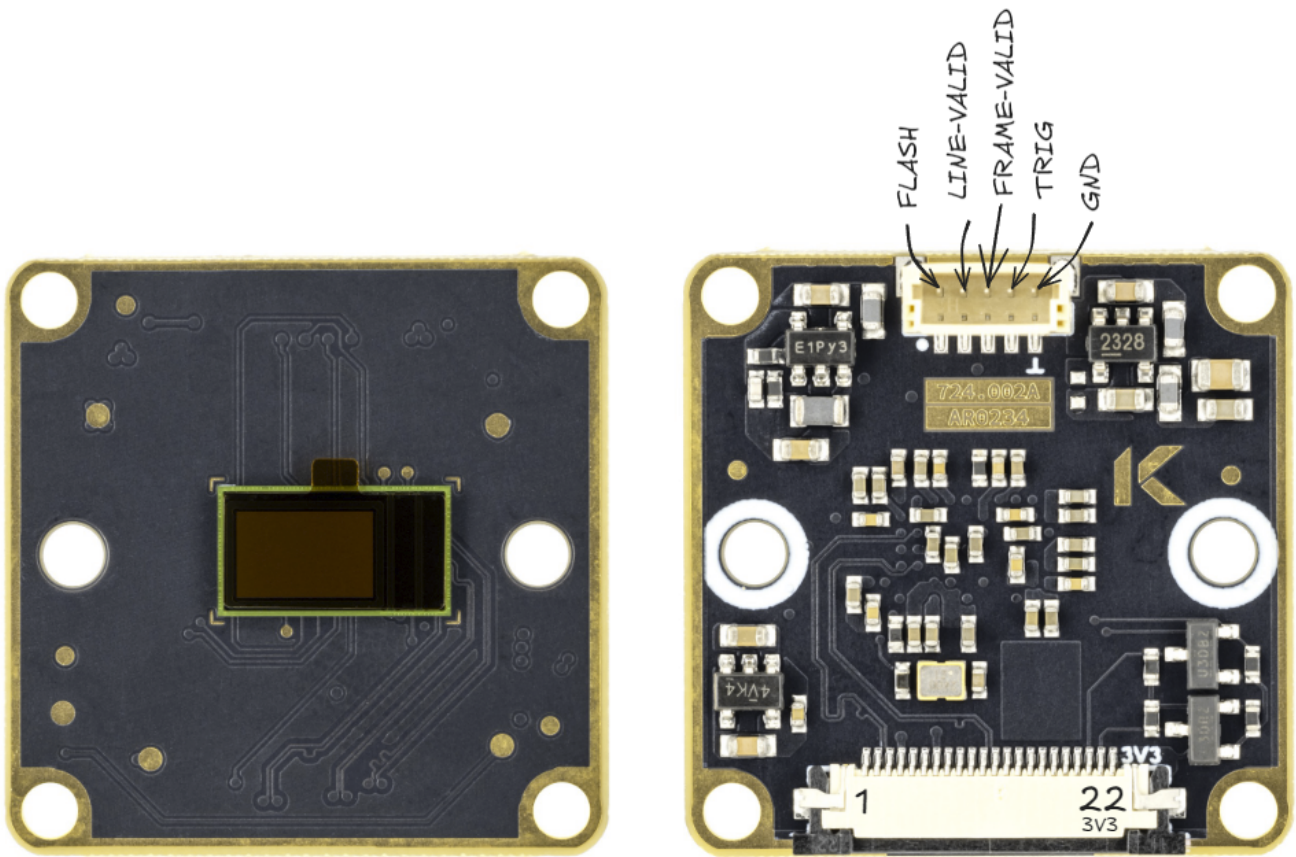
234x-CSI

The AR0234CS is a 2.3-megapixel global shutter CMOS sensor that uses a 3.0µm pixel array of 1920 x 1200, giving a 1/2.6" (6.8mm diagonal) optical format. It outputs 8 or 10 bit RAW through up to four MIPI CSI-2 lanes at 900 Mb/s per lane. Default streaming reaches 120 fps at full resolution, while a 2x2 binned 960 x 600 window delivers 237fps. Best suitable for: bar-code scanners, gesture-recognition devices, 3D scanners, positional tracking systems, iris scanning terminals, augmented reality headsets, virtual reality headsets, biometric sensors, machine-vision cameras, and industrial-inspection equipment.

Camera variants

SKU	Lens mount	Chroma	Note
234C-CSI-M12	9.5mm for wide angle lenses	RGB Color	Most common use for wide angle and fish-eye lenses.
234C-CSI-M12L	14.7mm for regular and telephoto lenses	RGB Color	Modification for lenses above 6mm (typical)
234C-CSI	No lens mount	RGB Color	Bare sensor board without lens mount
234C-CSI-CS	CS lens mount	RGB Color	Boxed camera with CS mount and IRCUT filter.

Pinout



Interface connector 22pin 0.5mm pitch 687122183622 from Würth Elektronik. Top facing pins.

Pin	Signal	Description
1	GND	
2	D0_N	
3	D0_P	
4	GND	
5	D1_N	
6	D1_P	
7	GND	
8	CLK_N	
9	CLK_P	
10	GND	

11	D2_N	
12	D2_P	
13	GND	
14	D3_N	
15	D3_P	
16	GND	
17	ENABLE	Wired to sensor RESET_N
18	N.C.	
19	GND	
20	SCL	
21	SDA	
22	+3.3V	

AUX wiring

Interface connector 5 pin 1mm pitch 665305124022 from Würth Elektronik.

Pin	Signal	Description
1	FLASH	
2	LINE-VALID	
3	FRAME-VALID	
4	TRIG	
5	GND	

Revision #4

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