

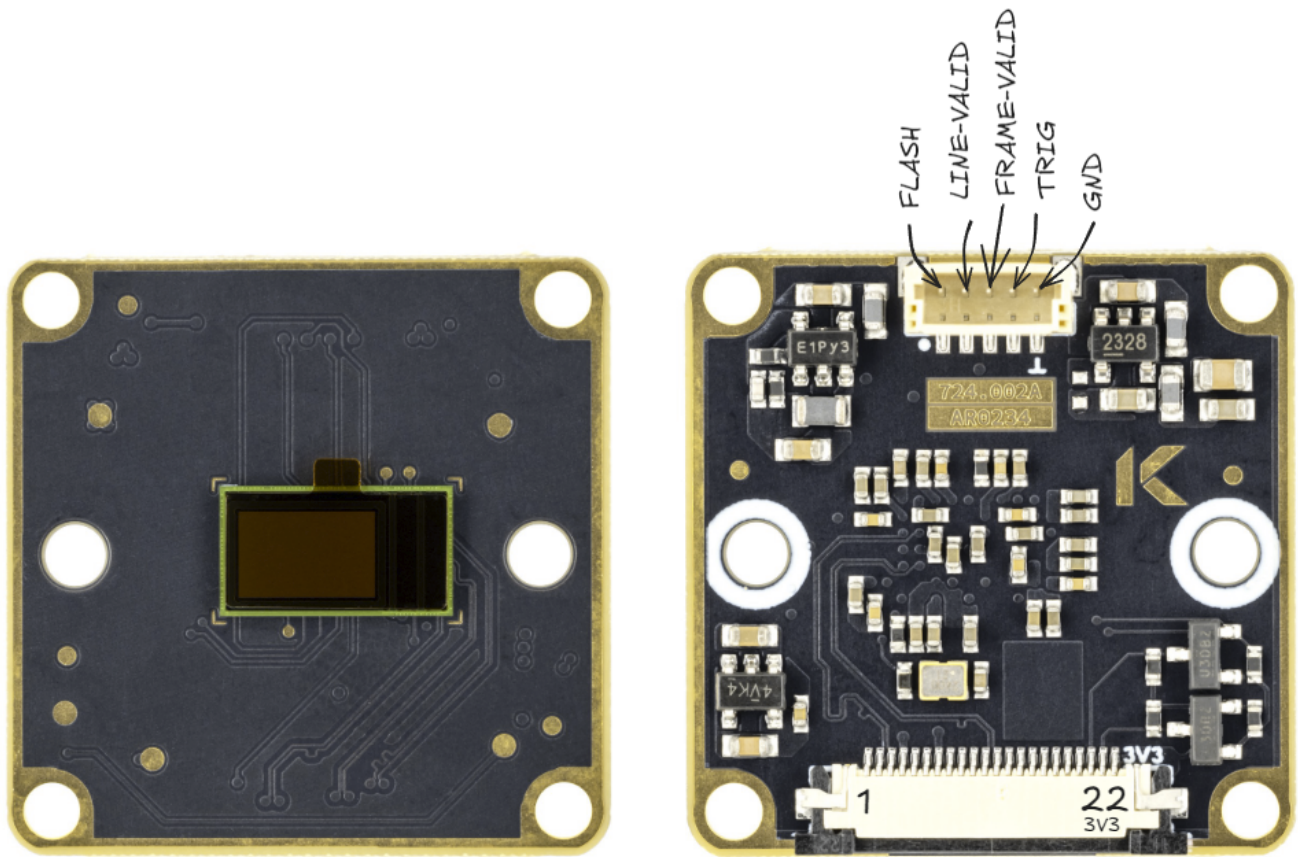
234x-CSI

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)

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	