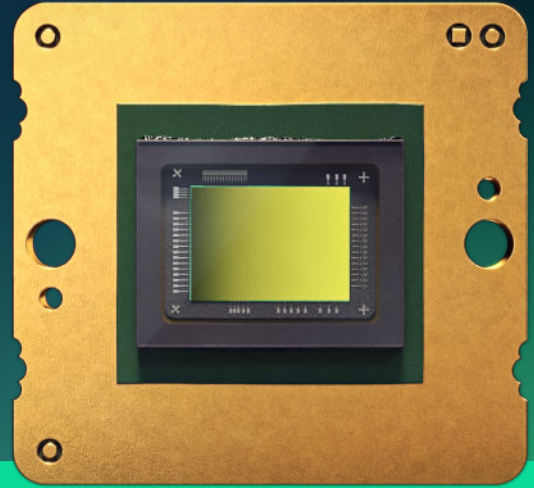


MIPI CSI-2 Cameras

MIPI for industry starts here



Our ultra-compact MIPI camera modules combine high image quality, light sensitivity and recording speed with a robust design and a great price-performance ratio. We offer the widest range of image sensors, from low-cost MIPI cameras to high-end sensors with global shutter.

We develop and manufacture all VC MIPI® camera modules in Germany, using high-quality multi-layer boards and state-of-the-art production standards. They are the ideal basis for the fast, simple and cost-effective implementation of your embedded vision solutions.

MIPI camera modules: ready for purchase & on request

Module ID	CMOS Sensor	Resolution MP (px)	Pixel Size	Shutter	TrigIn/ FlashOut	fps	Price €/1000 units excl. VAT ¹
VC MIPI OV7251	Omnivision®	0.3 (640 x 480)	3.00 µm	Global	✓	120	•33.99
VC MIPI OV9281	Omnivision®	1.0 (1280 x 800)	3.00 µm	Global	✓	120	•37.99
VC MIPI IMX178	SONY® Starvis™	6.3 (3072 x 2048)	2.40 µm	Global Reset	✓	60	•162.99
VC MIPI IMX183	SONY® Exmor R®	20.2 (5496 x 3672)	2.40 µm	Global Reset	✓	24	•349.99
VC MIPI IMX183-C	SONY® Exmor R®	20.2 (5496 x 3672)	2.40 µm	Global Reset	✓	24	•310.99
VC MIPI IMX226 -B&W /-C	SONY® Starvis™	12.4 (4072 x 3046)	1.85 µm	Global Reset	✓	44	•212.99
VC MIPI IMX250 -B&W /-C	SONY® Pregius™	5.1 (2464 x 2056)	3.45 µm	Global	✓	101	•527.99
VC MIPI IMX252 -B&W /-C	SONY® Pregius™	3.2 (2464 x 2056)	3.45 µm	Global	✓	160	•342.99
VC MIPI IMX264 -B&W /-C	SONY® Pregius™	5.1 (2464 x 2056)	3.45 µm	Global	✓	30	•362.99
VC MIPI IMX265 -B&W /-C	SONY® Pregius™	3.2 (2064 x 1544)	3.45 µm	Global	✓	50	•257.99
VC MIPI IMX273 -B&W /-C	SONY® Pregius™	1.6 (1456 x 1088)	3.45 µm	Global	✓	225	•158.99
VC MIPI IMX290	SONY® Starvis™	2.1 (1920 x 1080)	2.90 µm	Rolling	✗	120	•98.99
VC MIPI IMX296 -B&W /-C	SONY® Pregius™	1.6 (1440 x 1080)	3.45 µm	Global	✓	60	•76.99
VC MIPI IMX297	SONY® Pregius™	0.4 (728 x 544)	6.90 µm	Global	✓	120	•76.99
VC MIPI IMX327-C	SONY® Starvis™	2.1 (1920 x 1080)	2.90 µm	Rolling	✗	60	•54.99
VC MIPI IMX335	SONY® Starvis™	5.0 (2592 x 1944)	2.00 µm	Rolling	✗	60	•82.49
VC MIPI IMX335 -C	SONY® Starvis™	5.0 (2592 x 1944)	2.00 µm	Rolling	✗	60	•65.99
VC MIPI IMX392 -B&W /-C	SONY® Pregius™	2.3 (1920 x 1200)	3.45 µm	Global	✓	200	•178.99

Module ID	CMOS Sensor	Resolution MP (px)	Pixel Size	Shutter	TrigIn/FlashOut	fps	Price €/1000 units excl. VAT ¹
VC MIPI IMX412-C	SONY® Starvis™	12.3 (4056 x 3040)	1.55 µm	Rolling	✘	40	●109.99
VC MIPI IMX415	SONY® Starvis™	8.3 (3840x 2160)	1.45 µm	Rolling	✘	60	●109.99
VC MIPI IMX415-C	SONY® Starvis™	8.3 (3840 x 2160)	1.45 µm	Rolling	✘	60	●98.99
VC MIPI IMX462-C	SONY® Starvis™	2.1 (1920 x 1080)	2.90 µm	Rolling	✘	120	●54.99
VC MIPI IMX565	SONY® Pregius™ S	12.0 (4096 x 3000)	2.74 µm	Global	✔	42	●654.49
VC MIPI IMX566	SONY® Pregius™ S	8.1 (2856 x 2848)	2.74 µm	Global	✔	62	●412.49
VC MIPI IMX567	SONY® Pregius™ S	5.1 (2472 x 2064)	2.74 µm	Global	✔	96	●269.49
VC MIPI IMX568 -B&W /-C	SONY® Pregius™ S	5.1 (2472 x 2064)	2.74 µm	Global	✔	96	●225.99
VC MIPI IMX585-C	SONY® Starvis™	8.29 (3840 x 2160)	2.9 3 µm	Rolling	✘	72	●244.99
VC MIPI IMX900 -B&W /-C	SONY® Starvis™	3.2 (2048 x 1536)	2.25 µm	Global	✔	100	●124.99
VC MIPI IMX287 -B&W /-C	SONY® Pregius™	0.4 (728 x 544)	6.90 µm	Global	✔	530	●on request
VC MIPI IMX290-C	SONY® Starvis™	2.1 (1920 x 1080)	2.90 µm	Rolling	✘	120	●on request
VC MIPI IMX490-C	SONY®	5.4 (2896 x 1876)	3.00 µm	Rolling	✘	40	●on request
VC MIPI IMX500-C	SONY®	12.3 (4056 x 3040)	1.55 µm	Rolling	✘	60	●on request
VC MIPI IMX501-C	SONY®	12.3 (4056 x 3040)	1.55 µm	Rolling	✘	60	●on request
VC MIPI IMX585	SONY® Starvis™	8.29 (3840 x 2160)	2.9 3 µm	Rolling	✘	72	●on request
VC MIPI IMX990-SWIR	SONY®	1.3 (1280 x 1024)	5.00 µm	Global	✔	134	●on request
VC MIPI IMX991-SWIR	SONY®	0.3 (640 x 512)	5.00 µm	Global	✔	258	●on request

MIPI Accessories

We offer accessories for quick and easy integration with our VC MIPI® cameras. It includes FPC cables for connection to numerous processor boards, drivers in source code, adapter boards for prototyping as well as lens holders and lighting.

Also available is the VC Power SoM, an FPGA hardware accelerator that performs complex image pre-processing directly in the MIPI data stream, and a GMSL2 option for up to 10 meters of cable length with all VC MIPI® cameras.

Compatible CPU Boards

Vision Components®

VC Adap96 CSI & Ethernet Adapter
VC Compute Module Interface (CMI) Board

Auvideoa

Auvideoa NVIDIA® Jetson™ J100
NVIDIA® Jetson™ AGX Xavier™ Carrier

Raspberry Pi®

Raspberry Pi® Zero V1.3
RaspberryPi® 3B+
RaspberryPi® 4B
Raspberry Pi® Compute Module Industrial
Raspberry Pi® 5

Toradex

Verdin iMX8M Mini
Verdin iMX8M Nano
Verdin iMX8M Plus

NVIDIA®

NVIDIA® Jetson™
NVIDIA® AGX Xavier™
NVIDIA® Jetson Nano™
NVIDIA® Jetson Xavier™ NX
NVIDIA® Jetson Orin Nano™
NVIDIA® Jetson Orin NX™