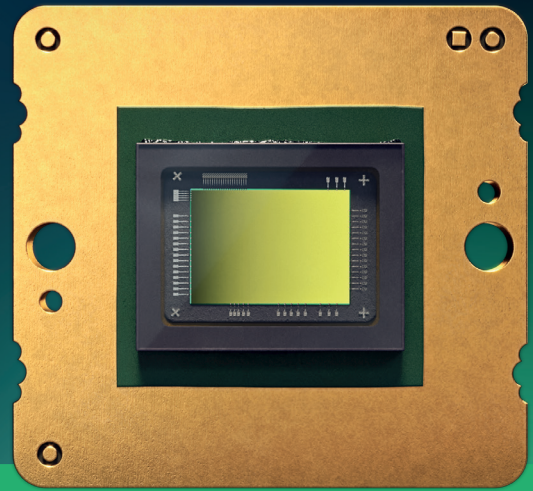


VC MIPI Camera Modules

MIPI CSI-2 Cameras for industry



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 MIPI cameras for price-sensitive projects to high-end sensors with global shutter.

All VC MIPI® Camera Modules are developed and manufactured 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.

VC 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	•37.99
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)	2.93 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 IMX454	Multispectral	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)	2.93 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: The VC MIPI® Ecosystem

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, carrier boards and add-on boards for prototyping as well as lens holders and lighting.

Also available: VC Power SoM and VC PowerSoC, FPGA hardware accelerator that perform 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 Platforms

Vision Components®

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

Auvideo

Auvideo 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

NXP

NXP i.MX 8M Mini
NXP i.MX 8M Nano
NXP i.MX8M Plus

NVIDIA®

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