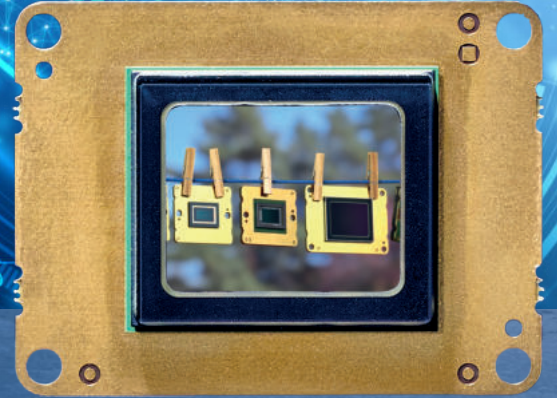


MIPI Camera Module

MIPI for industry starts here



The ultra-compact boards support the MIPI CSI-2 specification and they are available with many different image sensors. Thanks to standardized data transmission, the miniature cameras can be manufactured and integrated into various platforms at extremely low costs. MIPI modules are ideal for multi camera applications including mobile and distributed applications like

autonomous driving, UAVs, Smart City, medical technology, and laboratory automation. With MIPI sensor boards we offer OEMs a highly versatile component for their embedded vision solutions – all made in Germany!

VC MIPI CAMERA MODULE

Module ID	CMOS Sensor	RESOLUTION px	RESOLUTION MP	Color B&W	Shutter	TrigIn/FlashOut	fps	price €/1000 units excl. VAT	
VC MIPI OV7251	Omnivision®	640 x 480	0.3	●	Global	✓	120	33.99	available
VC MIPI OV9281	Omnivision®	1280 x 800	1.0	●	Global	✓	120	33.99	available
VC MIPI IMX178	SONY® Starvis™	3072 x 2048	6.3	●	Global Reset	✓	60	162.99	available
VC MIPI IMX183	SONY® Exmor R®	5496 x 3672	20.2	●	Global Reset	✓	24	349.99	available
VC MIPI IMX183-C	SONY® Exmor R®	5496 x 3672	20.2	●●●	Global Reset	✓	24	310.99	available
VC MIPI IMX226 -B&W /-C	SONY® Starvis™	4072 x 3046	12.4	●●●	Global Reset	✓	44	212.99	available
VC MIPI IMX250 -B&W /-C	SONY® Pregius™	2464 x 2056	5.1	●●●	Global	✓	130	527.99	available
VC MIPI IMX252 -B&W /-C	SONY® Pregius™	2064 x 1544	3.2	●●●	Global	✓	160	342.99	available
VC MIPI IMX264 -B&W /-C	SONY® Pregius™	2464 x 2056	5.1	●●●	Global	✓	30	362.99	available
VC MIPI IMX265 -B&W /-C	SONY® Pregius™	2064 x 1544	3.2	●●●	Global	✓	50	257.99	available
VC MIPI IMX273 -B&W /-C	SONY® Pregius™	1456 x 1088	1.6	●●●	Global	✓	225	158.99	available
VC MIPI IMX290	SONY® Starvis™	1920 x 1080	2.1	●	Rolling		120	98.99	available
VC MIPI IMX296 -B&W /-C	SONY® Pregius™	1440 x 1080	1.6	●●●	Global	✓	60	76.99	available
VC MIPI IMX297	SONY® Pregius™	728 x 544	0.4	●	Global	✓	120	76.99	available
VC MIPI IMX327-C	SONY® Starvis™	1920 x 1080	2.1	●●●	Rolling		60	54.99	available
VC MIPI IMX335	SONY® Starvis™	2592 x 1944	5.0	●	Rolling		60	65.99	available
VC MIPI IMX335 -C	SONY® Starvis™	2592 x 1944	5.0	●●●	Rolling		60	65.99	available
VC MIPI IMX392 -B&W /-C	SONY® Pregius™	1920 x 1200	2.3	●●●	Global	✓	200	178.99	available
VC MIPI IMX412-C	SONY® Starvis™	4056 x 3040	12.3	●●●	Rolling		40	109.99	available
VC MIPI IMX415	SONY® Starvis™	3840x 2160	8.3	●	Rolling		60	109.99	available
VC MIPI IMX415-C	SONY® Starvis™	3840 x 2160	8.3	●●●	Rolling		60	98.99	available
VC MIPI IMX568	SONY® Pregius™ S	2472 x 2064	5.1	●●●	Global	✓	96	225.99	available
VC MIPI IMX287 -B&W /-C	SONY® Pregius™	728 x 544	0.4	●●●	Global	✓	530	on request	on request
VC MIPI IMX290-C	SONY® Starvis™	1920 x 1080	2.1	●●●	Rolling		120	on request	on request
VC MIPI IMX462-C	SONY® Starvis™	1920 x 1080	2.1	●●●	Rolling		120	on request	on request
VC MIPI IMX490-C	SONY®	2896 x 1876	5.4	●●●	Rolling		40	on request	on request

Module ID	CMOS Sensor	RESOLUTION px	RESOLUTION MP	Color B&W	Shutter	TrigIn/FlashOut	fps	price €/1000 units excl. VAT	
VC MIPI IMX500-C	SONY®	4056 x 3040	12.3		Rolling		60	on request	on request
VC MIPI IMX501-C	SONY®	4056 x 3040	12.3		Rolling		60	on request	on request
VC MIPI IMX990-SWIR	SONY®	1280 x 1024	1.3		Global	✓	134	on request	on request
VC MIPI IMX991-SWIR	SONY®	640 x 512	0.3		Global	✓	258	on request	on request
VC MIPI IMX565	SONY® Pregius™ S	4096 x 3000	12.0		Global	✓	42	on request	on request
VC MIPI IMX566	SONY® Pregius™ S	2856 x 2848	8.1		Global	✓	62	on request	on request
VC MIPI IMX567	SONY® Pregius™ S	2472 x 2064	5.1		Global	✓	96	on request	on request

MIPI Accessories

Driver

Of course, we also provide the drivers for an optimal sensor connection! Being experts in the field of camera development, driver development is a core mission for us. That's why the standard drivers are included for free!

VC MIPI Repeater Board

The MIPI Repeater Board provides for a cable extension and additional interfaces like trigger input and flash trigger output at the same time.

Cable

Maximizing the output of the powerful MIPI-CSI-2 interface, we developed shielded FPC cables (for 15-22 and 22-22) to be able to transfer the data reliably and lossless. Thanks to that cable, the MIPI camera module can be connected directly, without any additional board, to the CPU board.

Lensholder

Useful: Our standardized lensholder for C and S mount lenses - ready to order!

Compatible CPU Boards

Vision Components®

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

Auvideoa

Auvideoa NVIDIA® Jetson™ J100 Processor: NVIDIA® TX1
Auvideoa NVIDIA® Jetson™ AGX Xavier™ Carrier

Geniatech

4 IoT - Geniatech Processor: Snapdragon™ 410E

MSC

MSC SM2S-IMX8MINI
MSC SM2S-IMX8NANO
MSC SM2S-IMX8PLUS

Raspberry Pi®

Raspberry Pi® Zero V1.3 Processor: Broadcomm®
RaspberryPi® 3B+ Processor: Broadcomm®
RaspberryPi® 4B Processor: Broadcomm®
Raspberry Pi® Compute Module Industrial Processor: Broadcomm®

Toradex

Verdin iMX8M Mini
Verdin iMX8M Nano
Verdin iMX8M Plus

Trenz Electronic

ZynqBerry (RaspberryPi® Form Factor with Xilinx® Z-70075)

Asus®

Asus® Tinker Board Processor: Rockchip® RK3288

DragonBoard™

DragonBoard™ 410C Processor: Snapdragon™ 410E
DragonBoard™ 820C Processor: Snapdragon™ 820E

NVIDIA®

NVIDIA® Jetson™ TX2 module Processor: NVIDIA® TX2
NVIDIA® AGX Xavier™
NVIDIA® Jetson Nano™
NVIDIA® Jetson Xavier™ NX

Rock960

Rock960 Processor: Rockchip® RK3399

Kontron

SOM-SL i.MX8M Mini

SightLine Applications

4000-OEM Processor: Snapdragon™ 820/
Inforce 6601™ SoM

Ultra96™

Ultra96™ Processor: Zynq UltraScale+™ ZU3EG