

Product Change Notice MV0

PCN1000120220901


OVERVIEW

Taking our customer feedback into consideration for continuous improvement we are updating our MV0 Series mechanically. There will be no change on firmware and/or optical factors of the cameras. Cameras affected see last page of this PCN.


All current open orders will be switched to the new part numbers starting November 1st, 2022. Customers will be contacted individually.

MECHANICAL CHANGES


Old:




New:



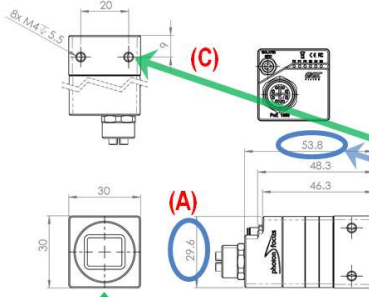
(A)



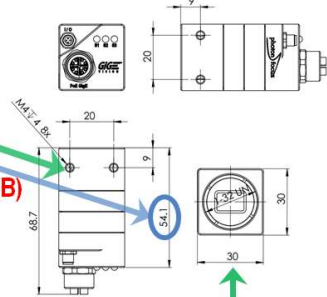
(A)



(C)



(B)



New:

- **Better LED visibility: 3 big dual color instead of 6 tiny single color.**
(They come in the same style as in the MV3 & MV4)
- **Capability to insert filter glass in the camera front, which allows supporting color in the MV0 Series**
- **Additional mounting hole at the back side (A)**
- **Improved heat dissipation**

New:

- **30x30mm² over the whole length!**
In the previous version, only the front part was 30x30mm², the back parts were 29.6x29.6mm² (A)
- **Length of camera increases by 0.3mm! (B)**
This is due to the new optical filter. It increases the optical path by 1/3 of thickness of the filter glass
- **The dimension and mounting hole in the front part didn't change at all! (C)**
→ The customer doesn't need to change his mechanical design!

NEW LED MAPPING

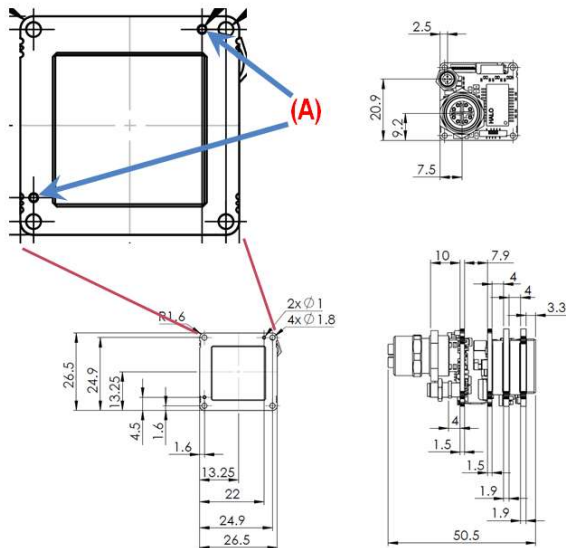
LED designator	Default function
LED S0	It pulsates, when the camera is not grabbing images. It means, the intensity starts from dark and goes slowly to bright and slowly to dark again. When the camera is grabbing images the LED blinks at a rate equal to the frame rate. At slow frame rates, the LED blinks. At high frame rates the LED changes to an apparently continuous green light, with intensity proportional to the ratio of readout time over frame time.
LED S1	Indicates an active serial communication with the camera.
LED S2	dark, not used in default configuration

LED designator	GigE Function
LED P0	not used, always off
LED P1	On: activity; Off: no activity
LED P2	On: link; Off: no link

New mapping of the LED:

Old MV0	New MV0
S0	S3 green
S1	S3 red
S3	S2 orange
P0	S2 red
P1	S1 green
P2	S1 orange

NEW MOUNTING



New:

- Two new pin holes for a reliable and low tolerance alignment of the sensor boards into the camera housing or customer's mechanical design! (A)
- Sensor PCB Design, with less components on the front side: It enables an easy dust- and lightproof mechanical oem design.

PART NUMBERS

CURRENT		NEW	
Product Nr	Product name	Product Nr	Product name
Sony, IMX 174		Sony, IMX 174	
602050.106	MV0-D1920-S01-240-G2	602011.006	MV0-D1920-S01-G2
602040.007	DR0-D1920-S01-480-G2	602011.007	DR0-D1920-S01-G2
604030.102	OEM0-D1920-S01-240-G2	602011.019	OEM0-D1920-S01-G2
Sony, IMX 250		Sony, IMX 250	
602050.107	MV0-D2448-S01-240-G2	602011.008	MV0-D2448-S01-G2
602040.008	DR0-D2448-S01-480-G2	602011.009	DR0-D2448-S01-G2
604040.102	OEM0-D2448-S01-240-G2	602011.020	OEM0-D2448-S01-G2
OnSemi, PYTHON1300		OnSemi, PYTHON1300	
602050.103	MV0-D1280-O01-144-G2	602011.004	MV0-D1280-O01-G2
602050.300	MV0-D1280-O01-3D06-288-G2	602011.005	MV0-D1280-O01-3D06-G2
604030.103	OEM0-D1280-O01-144-G2	602011.021	OEM0-D1280-O01-G2
604030.104	OEM0-D1280-O01-3D06-288-G2	602011.022	OEM0-D1280-O01-3D06-G2
OnSemi, PYTHON2000		OnSemi, PYTHON2000	
602050.102	MV0-D1984-O01-144-G2	602011.002	MV0-D1984-O01-G2
605040.101	MV0-D1984-O01-3D06-576-G2	602011.003	MV0-D1984-O01-3D06-G2
604030.100	OEM0-D1984-O01-144-G2	602011.023	OEM0-D1984-O01-G2
604040.103	OEM0-D1984-O01-3D06-576-G2	602011.024	OEM0-D1984-O01-3D06-G2
OnSemi, PYTHON5000		OnSemi, PYTHON5000	
602050.101	MV0-D2592-O01-144-G2	602011.001	MV0-D2592-O01-G2
604040.100	OEM0-D2592-O01-144-G2	602011.025	OEM0-D2592-O01-G2
CMOSIS, CMV2k		CMOSIS, CMV2k	
602050.104	MV0-D2048x1088-C01-160-G2	602011.010	MV0-D2048x1088-C01-G2
602050.108	MV0-D2048x1088I-C01-160-G2	602011.027	MV0-D2048x1088I-C01-G2
605030.160	MV0-D2048x1088-C01-3D06-768-G2	602011.011	MV0-D2048x1088-C01-3D06-G2
604030.101	OEM0-D2048x1088-C01-160-G2	602011.026	OEM0-D2048x1088-C01-G2
604030.106	OEM0-D2048x1088-C01-3D06-768-G2	602011.039	OEM0-D2048x1088-C01-3D06-G2
CMOSIS, CMV4k		CMOSIS, CMV4k	
602050.105	MV0-D2048-C01-160-G2	602011.012	MV0-D2048-C01-G2
605040.100	MV0-D2048-C01-3D06-768-G2	602011.013	MV0-D2048-C01-3D06-G2
604040.101	OEM0-D2048-C01-160-G2	602011.028	OEM0-D2048-C01-G2
604040.104	OEM0-D2048-C01-3D06-768-G2	602011.029	OEM0-D2048-C01-3D06-G2

Photonfocus AG

Lachen 24.08.2022 / Version 1