

PCN Title Manta Type B firmware update (IMX and CMV sensors)
Affected Products Manta Type B
PCN Number PCN2022-07-07 **PCN Issue date** 08.07.2022
Contact [Inside Sales Team](#)

Change Classification

Minor

Change Type

Firmware Specification

Affected Products

See Annex

Change Description

Some functional behaviors of the cameras are changing with the new Firmware (FW Loader 39784):
Manta Type B cameras featuring IMX sensors (Manta G 040/158/235/319/507/895/1236) are upgraded to the features already supported in Manta G 1620/2040/2460:

- Increased WhiteBalance for Manta
- New feature: Defect Pixel correction
- Improved Exposure Range

Manta Type B cameras featuring CMV sensors (Manta G 223/419):

- Increased WhiteBalance

Reason for Change

We continually strive to improve the performance and functionality of our cameras.

Impact / Possible Successor

Improved functionality (see also release notes), existing cameras can be updated in the field.

To **avoid damage to the camera**, do not revert to previous firmware versions for:

- Manta IMX sensor cameras with S/N: >=503515581
- Manta CMV sensor cameras with S/N: >=503518717.

First Ship Date

First ship date **IMX sensor** Manta Type B cameras featuring the new firmware: 04.04.2022, **S/N: 503515581**

First ship date **CMV sensor** Manta Type B cameras featuring the new firmware: 14.06.2022, **S/N: 503518717**

The information provided in this PCN notification are subject to change without notice.

For the latest version of this document, please visit the Allied Vision [website](#).

Support:

In case of technical questions please contact our [Support Team](#)

General inquiries:

Please contact our [Inside Sales Team](#)

Annex
Item no. affected products

E0020153	E0020634	E0020763	E0022527	E0022728	E0620511	E0622517
E0020207	E0020637	E0020764	E0022528	E0022729	E0620516	E0622518
E0020211	E0020640	E0020766	E0022532	E0022730	E0620517	E0622519
E0020213	E0020644	E0020767	E0022533	E0022733	E0620519	E0622522
E0020506	E0020645	E0020772	E0022542	E0022739	E0620523	E0622524
E0020507	E0020646	E0020775	E0022557	E0022746	E0620524	E0622526
E0020508	E0020647	E0020778	E0022572	E0022750	E0620526	E0622527
E0020509	E0020654	E0020784	E0022573	E0022752	E0620527	E0622528
E0020510	E0020656	E0020786	E0022583	E0022753	E0620528	E0622570
E0020511	E0020660	E0020788	E0022586	E0022754	E0620572	E0622573
E0020516	E0020661	E0020789	E0022588	E0022755	E0620573	E0622651
E0020517	E0020662	E0020790	E0022600	E0022756	E0620633	E0622660
E0020518	E0020663	E0020792	E0022617	E0022757	E0620634	E0622662
E0020519	E0020664	E0020800	E0022622	E0022762	E0620659	E0622702
E0020522	E0020665	E0020801	E0022637	E0022763	E0620660	E0622703
E0020523	E0020672	E0020802	E0022638	E0022766	E0620661	E0622704
E0020524	E0020702	E0020803	E0022639	E0022767	E0620662	E0622705
E0020526	E0020703	E0020804	E0022647	E0022772	E0620665	E0622706
E0020527	E0020704	E0020805	E0022648	E0022773	E0620702	E0622707
E0020528	E0020705	E0020819	E0022654	E0022776	E0620703	E0622710
E0020546	E0020706	E0020821	E0022655	E0022781	E0620704	E0622718
E0020552	E0020707	E0020822	E0022658	E0022783	E0620705	E0622719
E0020572	E0020712	E0020823	E0022660	E0022785	E0620706	E0622812
E0020573	E0020713	E0020824	E0022661	E0022787	E0620707	E0622814
E0020578	E0020714	E0020825	E0022662	E0022791	E0620718	
E0020586	E0020715	E0020826	E0022663	E0022800	E0620719	
E0020588	E0020716	E0020827	E0022702	E0022801	E0620721	
E0020592	E0020717	E0020828	E0022703	E0022802	E0620723	
E0020596	E0020718	E0020829	E0022704	E0022803	E0620733	
E0020600	E0020719	E0020830	E0022705	E0022804	E0620741	
E0020603	E0020720	E0022213	E0022706	E0022805	E0620761	
E0020605	E0020721	E0022506	E0022707	E0022806	E0620780	
E0020606	E0020722	E0022507	E0022713	E0022807	E0620785	
E0020612	E0020723	E0022510	E0022714	E0022808	E0620800	
E0020616	E0020724	E0022511	E0022715	E0022809	E0620801	
E0020617	E0020730	E0022516	E0022716	E0022834	E0620802	
E0020618	E0020733	E0022517	E0022717	E0022862	E0620803	
E0020620	E0020738	E0022518	E0022718	E0022863	E0620805	
E0020627	E0020741	E0022519	E0022719	E0022864	E0620814	
E0020628	E0020746	E0022522	E0022720	E0022865	E0620815	
E0020629	E0020748	E0022523	E0022721	E0022866	E0622506	
E0020630	E0020751	E0022524	E0022723	E0620507	E0622510	
E0020633	E0020758	E0022526	E0022727	E0620510	E0622516	