

PCN Title	New Firmware v12.0 for all Alvim cameras, version 00.12.00.00611a22		
Affected Products	All Alvim 1500 C, 1800 C, 1800 U, FP3 Coax, GM2 Coax, G1 and G5 cameras		
PCN Number	PCN2023-06-15	PCN Issue date	15.06.2023 20.11.2023 (document update)

Contact [Inside Sales Team](#)

Change Classification

Major

Change Type

Firmware Specification

Affected Products

See Annex

Change Description

USB camera models - New features:

- Support for mandatory features according to GenICam SFNC V2.7
- Sensor binning (4th Gen Sony IMX only)
- LUTValueAll to write a complete LUT in one access
- Multi ROI

CSI-2/FP3/GM2 camera models - New features (1800 C models with GenICam for CSI-2 Access):

- Support for mandatory features according to GenICam SFNC V2.7
- LUTValueAll to write a complete LUT in one access

G1 camera models - New features:

- Support GigE Vision V2.2
- Support for mandatory features according to GenICam SFNC V2.7
- Sensor binning (4th Gen Sony IMX only)
- LUTValueAll to write a complete LUT in one access
- Scheduled action commands
- Multi ROI
- TestPendingAck feature was added
- Added 12-bit sensor formats for cameras with 10-bit sensors for PixelFormat.
- Added Mono12Packed and BayerGR12Packed (G1-500c) or BayerRG12Packed (other models) for PixelFormat.

G5 camera models - New features:

- Support GigE Vision V2.2
- Support for mandatory features according to GenICam SFNC V2.7
- Sensor binning (4th Gen Sony IMX only)
- LUTValueAll to write a complete LUT in one access
- Scheduled action commands
- Multi ROI
- TestPendingAck feature was added
- Added 12-bit sensor formats for cameras with 10-bit sensors for PixelFormat.
- Added Mono12Packed and BayerGR12Packed (G5-500c) or BayerRG12Packed (other models) for PixelFormat.

Please also see the Firmware Release Notes for more details

Reason for Change

Enhanced and new features

Impact / Possible Successor (updated)

Please check whether the changed camera behavior has an influence on your application!

Alvium G1 and G5 cameras:

Attention! Polarity change on GPI3 signal, isolated input on pin 5. Signal was inverted and is now corrected.

Therefore, it is important to take this into consideration when integrating cameras with the new firmware into an existing application that currently relies on the workaround.

First Ship Date

03.07.2023

If you want to receive the new firmware before this date for evaluation/testing, please contact our support team.

The information provided in this product change 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

11492	14213	11486	15887	15599	15096	15110	17243
11496	14217	11485	15888	15602	15097	15111	17248
14627	14226	11491	15890	15605	12904	12896	17253
11500	14230	11490	15891	16482	12908	12900	17555
12888	17194	11489	14691	16485	14612	14619	17560
12892	17198	16463	14695	16488	15998	16003	18051
16535	17228	16464	14858	16491	14632	14646	18056
16539	17231	16465	14859	17195	14633	14647	18061
11484	17258	14218	14860	17196	14660	14674	18066
11488	17261	14219	14861	17197	14661	14675	18077
16462	17552	14220	14862	17199	15927	15929	18082
14221	18045	14222	14863	17200	15928	15930	18087
14225	18048	14223	15913	17201	15867	15877	18092
14848	18071	14224	15914	17229	15872	15882	15114
14849	18074	14850	15916	17230	14696	14710	15579
11938	11495	14851	15917	17232	14697	14711	15584
11942	11494	14852	16481	17233	14800	14814	15589
11946	11493	14853	16484	17259	14801	14815	15594
11949	11499	14854	16487	17260	15893	15903	15559
15503	11498	14855	16490	17262	15898	15908	15564
15504	11497	11941	14881	17263	15575	15585	11905
15919	14630	11940	14868	17553	15580	15590	11904
15920	14629	11939	15595	17554	15555	15565	11903
15889	14628	11945	15598	18046	15560	15570	11909
15892	11503	11944	15956	18047	14870	14875	11908
14688	11502	11943	15957	18049	14829	14839	11907
14692	11501	11948	15958	18050	15185	15195	15569
14856	12891	11947	14210	18072	15190	15200	11913
14857	12890	11951	14211	18073	15959	15960	11912
15915	12889	11950	14212	18075	14172	14179	11911
15918	12895	15499	14214	18076	14175	14183	11917
16480	12894	15500	14215	11902	11874	17166	15574
16483	12893	15501	14216	11906	11878	17173	11916
16486	16536	15502	14229	11910	11882	17180	11915
16489	16537	15921	14228	11914	11886	17187	16474
14880	16538	15922	14227	16466	16467	17208	16475
14865	16540	15923	14233	14198	14205	17213	16476
15597	16541	15924	14232	14201	14209	17218	15189
15600	16542	15925	14231	14752	14766	17223	13876
15955	11487	15926	15596	14753	14767	17238	14196

14197	15947	11883	14686	17174	18093	14615	15961
15194	15948	11889	15949	17175	18094	16004	15962
13877	15870	11888	15950	17176	13614	16005	15963
14199	15871	11887	15951	17181	13613	16007	14158
14200	15875	16477	15952	17182	13612	14634	14159
15199	15876	16478	15953	17183	13617	14635	14160
14760	14704	16479	15954	17188	13616	14637	14161
14761	14707	14202	15880	17189	13615	14638	14162
14762	14808	14203	15881	17190	14142	14662	14163
15204	14809	14204	15885	17209	14141	14663	14148
14763	14810	14206	15886	17210	14140	14665	14147
14764	14811	14207	14718	17214	14145	14666	14146
14765	14812	14208	14721	17215	14144	15931	14151
15104	14813	14774	14822	17219	14143	15932	14150
15105	15896	14775	14823	17220	16468	15933	14149
15106	15897	14776	14824	17224	16469	15934	14154
15107	15901	14777	14825	17225	16470	15935	14153
15108	15902	14778	14826	17239	14184	15936	14152
15109	15578	14779	14827	17240	14185	15868	14157
12907	15583	15118	15906	17244	14186	15869	14156
12906	15558	15119	15907	17245	14187	15873	14155
12905	15563	15121	15911	17249	14188	15874	16471
12911	14873	15122	15912	17250	14189	14698	16472
12910	14836	15123	15588	17254	14754	14701	16473
12909	15188	12899	15593	17255	14755	14802	14190
14616	15193	12898	15568	17556	14756	14803	14191
14617	15967	12897	15573	17557	14757	14804	14192
14618	15968	12903	14878	17561	14758	14805	14193
16012	15969	12902	14846	17562	14759	14806	14194
16013	13874	12901	15198	18052	15098	14639	14195
16014	14170	15704	15203	18053	15099	14807	14768
14640	14171	14624	15970	18057	15100	15894	14769
14641	13875	14625	15971	18058	15101	15895	14770
14643	14173	16015	15972	18062	15102	15899	14771
14644	14174	16016	14176	18063	15103	15900	14772
14668	11877	16017	14177	18067	13620	15576	14773
14669	11876	14654	14178	18068	13619	15581	15112
14671	11875	14655	14180	18078	13618	15556	15113
14672	11881	14657	14181	18079	13623	15561	15115
15943	11880	14658	14182	18083	13622	14871	15116
15944	11879	14682	17167	18084	13621	14832	15117
15945	11885	14683	17168	18088	14613	15186	13626
15946	11884	14685	17169	18089	14614	15191	13625

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13885	15571	17222	16030	17207	17749	18599	18279
13884	15582	17226	16031	17234	17750	18665	18280
13883	14876	17227	16307	17235	17751	18667	18281
14620	14842	17241	16308	17236	17752	18663	19270
14621	15196	17242	16309	17237	17753	18664	19271
14622	15557	17246	16310	17264	17754	18666	19588
16009	15197	17247	16311	17265	17755	18145	19589
16010	15201	17251	16312	17266	17756	18147	19706
16011	15202	17252	16313	17267	17757	18153	19497
14648	15562	17256	16314	17548	17762	18156	19508
14649	15964	17257	16439	17549	17763	18158	18282
14651	15965	17558	16441	17550	17764	18160	18102
14652	15966	17559	16442	17551	17765	18164	19358
14676	15187	17563	16443	17565	17766	18169	15324
14677	14164	17564	16444	17566	17768	18175	15477
14679	14165	18054	16445	18211	17769	18178	15478
14680	14166	18055	16446	18146	17771	18363	15669
15937	15192	18059	16447	18366	17772	18364	15693
15938	14167	18060	16448	18201	17773	18202	15325
15939	14168	18064	16449	18203	17774	18204	14699
15940	14169	18065	16450	17726	17775	16416	14702
15941	15587	18069	16451	17727	17776	15999	15327
15942	15592	18070	16452	17728	17777	16000	15326
15878	15567	18080	16453	17729	17778	16001	16212
15879	15572	18081	16023	17730	17779	16676	16268
15883	15120	18085	16022	17731	17780	16677	16269
15884	17170	18086	16025	17732	17781	17392	16270
14712	17171	18090	16024	17733	17782	17479	16297
14715	17172	18091	16492	17734	17783	17480	16299
14816	17177	18095	16493	17735	17784	17481	16315
14817	17178	18096	16494	17736	17785	17482	16369
14818	17179	17722	16495	17737	17786	17483	16534
14819	17184	17723	16496	17738	17787	17626	16577
14820	17185	17724	16497	17739	17788	100993	16578
14821	17186	17725	16026	17740	17790	101071	16579
15904	17191	15834	16027	17741	17791	18038	16580
15905	17192	15835	16028	17742	17792	18039	16634
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15910	17211	15837	17202	17744	17801	18041	17299
15586	17212	15838	17203	17745	17802	18042	17370
15591	17216	15839	17204	17746	17803	18043	17590
15577	17217	15840	17205	17747	18155	18044	17591

17592	19017	19518
17593	19039	19519
17602	19058	19522
17603	19078	19509
17604	19089	17702
17605	19371	14139
17628	19372	14100
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17699	19413	19564
17928	19460	19565
17961	19461	19620
17969	19462	14234
18021	19463	14236
18022	19464	15124
18023	19465	19407
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18273	19467	19409
18372	19468	19410
18373	19469	19424
18345	19470	19355
18356	19472	19356
18401	19473	17704
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18422	19498	19624
18423	19499	
18480	19500	
18499	19504	
18500	19505	
18597	19506	
18625	19700	
18627	19557	
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18712	19425	
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