

Customer Service BULLETIN

Severity Level: **VERY LOW**

Distribution

- WW ☒
- APAC ☐
- EMEA ☐
- JAPAN ☐
- LATAM ☐
- NAM ☐

Internal Only ☐

Customer Service Bulletin

20647

Title

Package update LDX Series

Date

2019-10-16

Product

LDX Series

Product Version

All

Overview

System parts involved:

- LDX 85n/86n Series **V17** (Sensor Brd., part nr. 522-00053-01, HW version **05**)
- LDX 86n RF **V17** (Sensor Brd., part nr. 522-00053-01, HW version **05**)
- LDX C85n/C86n Series **V08** (Sensor Brd., part nr. 522-00053-01, HW version **05**)
- LDX 86 Series **V25** (Sensor Brd., part nr. 3922 406 57261, HW version **04**)
- LDX 82 Series **V09** (Sensor Brd., part nr. 3922 406 57261, HW version **04**)
- LDX C86 Series **V07** (Sensor Brd., part nr. 3922 406 57261, HW version **04**)
- LDX C82 Series **V07** (Sensor Brd., part nr. 3922 406 57261, HW version **04**)
- LDX C80 Series **V22** (Sensor Brd., part nr. 3922 406 56011, HW version **06**)
- LDX 80 Series **V38** (Sensor Brd., part nr. 3922 406 56011, HW version **06**)
- Focus Live **V20** (Sensor Brd., part nr. 3922 406 56011, HW version **06**)

Overall Message

For all camera versions:

- Due to an obsolete component, a new component on the sensor board is required. The new sensor board hardware versions can be found in the Overview section.

Note:

Older packages, in combination with the above mentioned sensor board HW version, can be installed however this will result in no video (black) from the camera without any warning. In such a situation only the above mentioned package versions will recover the video.

The hardware information (part nr. and version) of the sensor boards can be found in the diagnostic menu of the camera head.

"Diagnostics" > "Status" > "PCB status" > "Camera" > "Board select" > "SBR" (SBG or SBB)

LDX 85N/86N Series

After updating the package, the status of the LDX 86n camera head becomes:
Package LDX86N-85N_392240765101_17

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	3922 407 64931	15.00
VP FW 1	522-00048-01	504-00011-01	03.00
VP FW 2	522-00048-01	504-00010-01	03.00
VP FW 3	522-00048-01	3922 407 64961	11.00
VP FW 4	522-00048-01	3922 407 64971	12.00
VF SW	522-00048-01	3922 407 65121	00.84
Diagnose FW/SW Actel	522-00048-01	3922 407 64611	00.19
RCB FW	3922 406 57271	3922 407 64621	01.01
Sensor Brd. FW (R-G-B)	522-00053-01	3922 407 65091	01.25

LDX 86N RF Camera Head

After updating the package, the status of the LDX 86n RF camera head becomes:
Package_LDX86N_RF_538-00009-01_17

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	3922 407 64931	15.00
VP FW 1	522-00048-01	504-00011-01	03.00
VP FW 2	522-00048-01	504-00010-01	03.00
VP FW 3	522-00048-01	3922 407 64981	11.00
VP FW 4	522-00048-01	3922 407 64991	12.00
VF SW	522-00048-01	3922 407 65121	00.84
Diagnose FW/SW Actel	522-00048-01	3922 407 64611	00.19
RCB FW	3922 406 57271	3922 407 64621	01.01
Sensor Brd. FW (R-G-B)	522-00053-01	3922 407 65091	01.25

LDX 86 Series Camera Head

After updating the package, the status of the LDX 86 camera head becomes:
Package_LDX9060_392240764361_25

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	3922 407 64581	22.00
VP FW 1	522-00048-01	3922 407 64561	05.00
VP FW 2	522-00048-01	3922 407 64911	09.00
VP SW	522-00048-01	3922 407 64571	00.83
Diagnose FW/SW Actel	522-00048-01	3922 407 64611	00.19
RCB FW	3922 406 57271	3922 407 64621	01.01
Sensor Brd. FW (R-G-B)	3922 406 57261	3922 407 64631	02.13

LDX 82 Series Camera Head

After updating the package, the status of the LDX 86 Series camera head becomes:
Package_538-00001_01_09

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	528-0000-01	07.00
VP FW 2	522-00048-01	3922 407 64911	09.00
VP SW	522-00048-01	3922 407 64571	00.83
Diagnose FW/SW Actel	522-00048-01	3922 407 64611	00.19
RCB FW	3922 406 57271	3922 407 64621	01.01
Sensor Brd. FW (R-G-B)	3922 406 57261	3922 407 64631	02.13

LDX 80 Series Camera Head

After updating the package, the new status of the LDX 80 Series camera head becomes:
Package_LDX9020_392240761901_38

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
Diagnostic SW	3922 406 55961	3922 407 60341	00.37
Right Cover Board FW	3922 406 55971	3922 407 60771	01.14
Application SW	3922 406 55961	3922 407 61891	33.00
Imager Control FW	3922 406 55961	3922 407 61911	07.14
Imager Control SW	3922 406 55961	3922 407 61921	00.53
Video Proc. FW	3922 406 55961	3922 407 61931	07.14
Video Proc. SW	3922 406 55961	3922 407 61941	00.42
Sensor Brd. FW (R-G-B)	3922 406 56011	3922 407 61951	21.00

Focus Live Camera Head

After updating the package, the new status of the Focus 70/75 Live camera head becomes:
Package_Focus_7x_Live_392240764821_20

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
Diagnostic SW	3922 406 55961	3922 407 60341	00.37
Right Cover Board FW	3922 406 55971	3922 407 60771	01.14
Application SW	3922 406 55961	3922 407 64831	14.00
Imager Control FW	3922 406 55961	3922 407 61911	07.14
Imager Control SW	3922 406 55961	3922 407 61921	00.53
Video Proc. FW	3922 406 55961	3922 407 61931	07.14
Video Proc. SW	3922 406 55961	3922 407 61941	00.42
Sensor Brd. FW (R-G-B)	3922 406 56011	3922 407 61951	21.00

LDX 86N/85N Compact Series

After updating the package, the status of the LDX 86n Compact becomes:
Package LDX-C86n-C85n_538-00005-01_08

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	528-00010-01	07.00
VP FW 1	522-00048-01	504-00011-01	03.00
VP FW 2	522-00048-01	504-00010-01	03.00
VP FW 3	522-00048-01	3922 407 64981	11.00
VP FW 4	522-00048-01	3922 407 64991	12.00
VF SW	522-00048-01	3922 407 65121	00.84
Diagnose FW/SW Actel	522-00048-01	3922 407 64611	00.19
LCB FW	522-00055-01	3922 407 65261	00.12
Sensor Brd. FW (R-G-B)	522-00053-01	3922 407 65091	01.25

LDX 86 Compact Series Camera Head

After updating the package, the status of the LDX 86 camera head becomes:
Package_LDX-C86_538-00004-01_07

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	528-00009-01	07.00
VP FW 1	522-00048-01	3922 407 64561	05.00
VP FW 2	522-00048-01	3922 407 64911	09.00
VP SW	522-00048-01	3922 407 64571	00.83
Diagnose FW/SW Actel	522-00048-01	3922 407 64611	00.19
LCB FW	522-00055-01	3922 407 65261	00.12
Sensor Brd. FW (R-G-B)	3922 406 57261	3922 407 64631	02.13

LDX 82 Compact Series Camera Head

After updating the package, the status of the LDX 86 Series camera head becomes:

Package_LDX-C82_538-00003-01_07

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	528-00008-01	06.00
VP FW 2	522-00048-01	3922 407 64911	09.00
VP SW	522-00048-01	3922 407 64571	00.83
Diagnose FW/SW Actel	522-00048-01	3922 407 64611	00.19
LCB FW	522-00055-01	3922 407 65261	00.12
Sensor Brd. FW (R-G-B)	3922 406 57261	3922 407 64631	02.13

LDX 80 Compact Series Camera Head

After updating the package, the new status of the LDX Compact Series camera head becomes:

Package_LDX9025_392240764311_22

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	3922 406 55961	3922 407 64541	16.00
IC FW	3922 406 55961	3922 407 61911	07.14
IC SW (Nios)	3922 406 55961	3922 407 61921	00.53
VP FW	3922 406 55961	3922 407 61931	07.14
VP SW (Nios)	3922 406 55961	3922 407 61941	00.42
Diagnose FW/SW Actel	3922 406 55961	3922 407 60341	00.37
LCB FW	3922 406 57301	3922 407 64201	00.34
Sensor Brd. FW (R-G-B)	3922 406 56011	3922 407 61951	21.00