



Customer Service BULLETIN

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Customer Service Bulletin 000018932

Title Package update LDX Series and XCU (3G and 10G Universe)

Date 2018-09-03

Product LDX Series

Product Version All

Overview

System parts involved:

- LDX 86n Series **V14**
- LDX 86 Series **V22**
- LDX 80 Series **V35**
- LDX 82 Series **V06**

- XCU 3G **V18**
- XCU Universe 10G **V07**

Overall Message

This package release is covering the complete range of LDX Series including XCU 3G and XCU Universe 10G

New functionality LDX Series:

- Horizontal and/or vertical Image flip in 4K (LDX86N only) enabled
- When the auto iris area indicators are selected (Production set-up > Exposure > Iris > Auto Iris > Area Indicator) the indicators will become available at the Mon Output signal of the XCU.

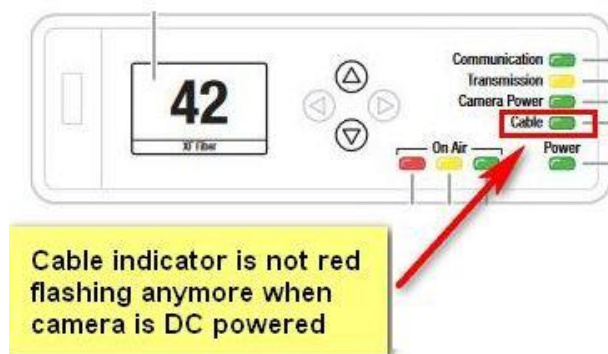
!!! IMPORTANT NOTE !!!:

For the LDX 86N, a Black Calibration is required for the following video modes which is indicated in the viewfinder by the message "Black Calibration needed":

1080i50 or 1080I/59 (Single speed)
1080i/150 or 1080i/159 (3 speed)
1080i/300 or 1080i/359 (6 speed) AND in
4K/50 or 4K59

Changed functionality XCU 3G and XCU Universe 10G:

- Add system Alias to cradle storage.
- In case the camera is DC powered (Power box or in Direct IP mode) the cable indicator on the front panel of the XCU is not red flashing anymore as soon as transmission is established



LDX 86N Series Camera Head

After updating the package, the status of the LDX 86n camera head becomes:
Package LDX86n 392240765101_14

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	3922 407 64931	12.00
VP FW 1	522-00048-01	504-00011-01	02.00
VP FW 2	522-00048-01	504-00010-01	02.00
VP FW 3	522-00048-01	3922 407 64961	96.36
VP FW 4	522-00048-01	3922 407 64971	96.36
VF SW	522-00048-01	3922 407 65121	00.83
Diagnose FW/SW Actel	522-00048-01	3922 407 64611	00.17
RCB FW	3922 406 57271	3922 407 64621	01.01
Sensor Brd. FW (R-G-B)	522-00053-01	3922 407 65091	01.22

LDX 86 Series Camera Head

After updating the package, the status of the LDX 86 camera head becomes:
Package_LDX9060_392240764361_22

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	3922 407 64581	20.00
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	00.17
RCB FW	3922 406 57271	3922 407 64621	01.01
Sensor Brd. FW (R-G-B)	3922 406 57261	3922 407 64631	02.12

LDX 82 Series Camera Head

After updating the package, the status of the LDX 86 Series camera head becomes:
Package_538-00001_01_06

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
ARM Application SW	522-00048-01	528-0000-01	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	00.17
RCB FW	3922 406 57271	3922 407 64621	01.01
Sensor Brd. FW (R-G-B)	3922 406 57261	3922 407 64631	02.12

LDX 80 Series Camera Head

After updating the package, the new status of the LDX 80 Series camera head becomes:
Package_LDX9020_392240761901_35

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	31.00
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	20.00

Universe XCU eXchangable Control Unit (10G)

After updating the package, the status of the Universe XCU becomes:

Package_XCU_Univ_392240764761_07

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
Generic Board Appl. SW	3922 406 57241	3922 407 63011	22.00
Generic Board FW 1	3922 406 57241	3922 407 64131	00.36
Generic Board FW 2	3922 406 57241	3922 407 64751	00.22
Generic Board SW	3922 406 57241	3922 407 63021	05.11
Transmission Board FW 1	3922 406 57211	3922 407 64111	00.68
Transmission Board FW 2	3922 406 57211	3922 407 64741	00.43
Transmission Board SW	3922 406 57211	3922 407 64811	00.26
User Interface Board	3922 406 57441	3922 407 64691	00.15

XCU eXchangable Control Unit (3G)

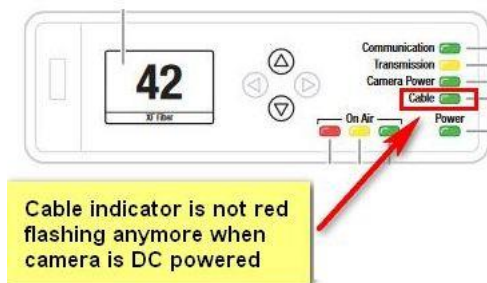
After updating the package, the new status of the XCU becomes:

Package_XCU_39224076300_18

PC Board Name	PC Board No (12NC)	Firmware No (12NC)	Version
Generic Board Appl. SW	3922 406 57241	3922 407 63011	22.00
Generic Board FW	3922 406 57241	3922 407 62441	01.45
Generic Board NIOS	3922 406 57241	3922 407 63021	05.11
Transmission Board	3922 406 56601	3922 407 62451	01.07
Power Filter Board	3922 406 56621	3922 407 63031	02.00

Changed functionality:

- Add system Alias to cradle storage.
- In case the camera is DC powered (Power box or in Direct IP mode) the cable indicator on the front panel of the XCU is not red flashing anymore as soon as transmission is established



Contacts

Grass Valley Product Support

Web-based support is available for many Grass Valley products. Please visit our online Knowledgebase:

<http://mygrassvalleyportal.force.com/gvknowledge>

For or technical assistance, please contact us by e-mail or phone. For more information refer to:

<http://www.grassvalley.com/support/contact>

Overview

For an overview of released camera service bulletins, fault descriptions, related products and filter options, refer to:

<ftp://ftp.grassvalley.com/cameras/>