

Release Notes

ARRIFLEX D-21 Software Packet 1.16



Software Packet 1.16 Introduction

Cameras

The Software Packet 1.16 is designed for the ARRIFLEX D-21 and D-21 HD.

Contents

It consists of firmware for the D-21 and D-21 HD imaging engine, firmware and software for the E-Cover and firmware for the FEM-2. Please note that the firmware for the imaging engine, the firmware/software for the E-Cover and the firmware for the FEM-2 have to be updated separately.

Version Check

To check which version of the imaging engine firmware is in the camera, look in the Video Menu under "Diagnostics - Status 2".

The Software/Firmware versions for the E-Cover can be checked in the camera left display service mode.

Imaging Engine	E-Cover	FEM-2
CRC 2be9f	Software 2.03	Software 1.42
CM R2.20	Firmware 1.09	Firmware 0.84

Imaging Engine

1 ECU

1.1 OSD Changes

- HD-SDI Mode
 - M-scope HD422 is renamed to Mscope HD422
- OSD menu "12S" info
 - Output range logical error in '12S' display has been fixed
- Single PIM configuration (D-21 HD)
 - HD-SDI Mode HD444 is accessible now
 - No limitations for setting Contrast Characteristic. LOG C and LOG F are accessible now.
 - No limitations for setting Colour Matrix. LOG and Matrix OFF are accessible now
- Auto WB
 - Removed unnecessary mode change after auto balance, eliminating occasional HD image flicker
 - Performing Auto WB now possible only when the mirror shutter is rotating
- OSD boot process
 - ARRI logo is displayed until the very end of the boot process (flow check). Previously, the screen was cleared when boot check finished, which was ~2 seconds earlier
 - Start of the OSD thread synchronized to end of boot process (end of flow check). The thread was delayed by a fixed time (8 sec) previously. OSD does not crash anymore if user presses the OSD button early

1.2 Defect Pixel Masking for SD output

- A bug is fixed that was present in rel. 1.15, in which defect pixels were visible in the SD output.

2 Color management

2.1 Package CM R2.20

- Contrast Characteristic settings renamed, the four digit number in front of the EI has been removed (e.g. "3601 EI 100" now is named "EI 100"). Look up table entries haven't changed

E-Cover

3 E-Cover

3.1 Internal ramp program

- The speed range of the internal ramp program is checked cyclic during standby. If the link speed is too low, the PROG symbol is flashing and the warning message "SPEED rAnGE" is displayed. The camera is not ready and the run LED is red

3.2 FEM-2 error warning

- If the FEM-2 module causes an error, the warning message "Error FE-2" is now additional displayed

FEM-2

4 FEM-2

- LDS support for Cooke S4i with new 12bit board
- Bug fix: LDD-FP shows battery voltage limited to 25,5V
- Bug fix: LDD-FP shows faulty dust Check sign
- Bug fix: speed set on the WRC-2 in camera control mode can resets 1/1000fps digit to zero
- all LDD-FP Footage Counter are disabled ("----") for digital Camera, because LDD-FP can only handle m/ft
- implementation of an additional safety in the radio protocol for resetting/restarting WMU's