# Signature Prime SUP 2.1

**Software Update Package for Signature Prime Lenses**

## RELEASE NOTES

**Date: May 2020**

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## A. Introduction

We are proud to announce the release of Software Update Package (SUP) 2.1 for the Signature Prime Lenses.

The newest members in the ARRI lens family are the large-format Signature Prime lenses with the ARRI LPL mount.

LDS-2 is the next evolution of ARRI's Lens Data System and delivers more accurate, faster lens data and eliminates the need for initial calibration through absolute encoders.

For more information, please visit:

> https://www.arri.com/en/camera-systems/cine-lenses/arri-signature-prime-lenses

## B. Update Instructions

Currently the lens software update is only possible at ARRI Service Center with the *LDS Calibration Station MK2 (K4.0018964)* and PC-software *calibrateLdsInstaller_SUP2.3.1* (or higher).

Please use the installed *CheckLds* application to update the LDS-2 firmware and metadata of a lens if no LDS recalibration is required! See the *User Manual LDS Calibration Station MK2* chapter 11 for more information.

## C. New Features

- Cooke /i support features automated protocol switching for use on third-party cameras
- Automatic picture flip for Signature Prime 12/T1.8
- New LDS-2 features for visual effects
    - Precise entrance pupil position information for close focus depth-of-field calculations
    - Dynamic focal length information compensates for changes in image magnification at close focus

## D. Known Issues

- No known issues with SUP 2.1

## E. Content

- **NEW:** LMC Firmware V2.1
- **NEW:** LMC Bootloader V1.5
- Sensor V2.06

## F. Bug Fixes

- No bug fixes

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Release Notes     All data subject to change without further notice.

# G. Compatibility Overview

The Software Update Package 2.1 for the Signature Prime Lenses is backward compatible to older versions, no camera update is required.

Signature Prime lenses are supported with following ARRI cameras:

| Cameras | Camera SUP | Lens metadata type, focus, iris, focal length | New metadata entrance pupil and dynamic focal length | New automatic picture flip | Cooke /i [3] |
|---|---|---|---|---|---|
| **ALEXA Mini LF** | SUP 6.0 | yes | no | no | not used |
| **ALEXA LF** | SUP 4.3 | yes | no | no | not used |
| **ALEXA Mini** [1] | SUP 5.4.13 | yes | no | no | not used |
| **AMIRA** [1] | SUP 5.4.13 | yes | no | no | not used |
| **ALEXA 65** | SUP 2.0.2 | yes | no | no | not used |
| **ALEXA SXT** [2] | SUP 2.0 | yes | no | no | not used |
| **ALEXA Classic** [2] | SUP 11.1.1 | yes | no | no | not used |

[1] with Mini LPL-Mount V1.24 (or higher)

[2] with Alexa LPL-Mount V1.21 (or higher)

[3] The support of Cooke /i is intended for cameras from third-party manufacturers

It is not recommended to use older camera SUPs than listed in the table.

Future ALEXA and AMIRA SUPs will support new lens metadata and automatic picture flip.