ALEXA Mini LF
Large format, small camera

- **ARRI large-format lenses**
  - Signature Prime Lenses

- **ARRI Rental DNA LF and 65 format lenses**
  - DNA LF, Prime DNA, Prime 65 S, Prime 65, Vintage 765

- **LPL mount 65 and FF 3" party lenses**
  - Leitz Thalia, Angénieux Optimo Ultra 12x FF/7V, Geckocam G35, P+S Technik Technovision Classic 1.5x, GL Optics (Zeiss Macro 100 mm, 60 mm), Whitepoint Optics T570. In preparation: Zeiss (Supreme Primes, Compact Primes, Compact Zooms), Sigma Cine Primes, Tokina Cinema Vista Primes, Cooke S7/I, Leitz Primes

- **Panavision large-format lenses**
  - Primo 70, Primo Artiste, Super Panavision 70, System 65, PanaSpeed, Primo X
  - Sphero 65, Vintage 65, H Series, Ultra Panatar 1.3x Anamorphic, Ultra Vista 1.65x Anamorphic

- **Vantage lenses**
  - Hawk65, Hawk 35mm, Vantage One T1

- **PL mount 535 lenses**

- **PL mount FF lenses**
  - Angénieux Optima Ultra 12x FF/7V, EZ-1 FF, EZ-2 FF, Cooke S7/I, Anamorphic / 1.8x
  - Leitz Thalia, Sigma Cine Primes, Tokina Cinema Vista Primes, Zeiss Supreme Primes, Compact primes, Compact Zooms, Geckocam G35; P+S Technik Technovision Classic 1.5x, GL Optics (Leica Macro 100 mm, 60 mm) Whitepoint Optics T570

- **LPL mount and PL-to-LPL adapters**
  - ARRI IB/E I
ALEXA Mini LF FAQ

What sensor are you using in the ALEXA Mini LF?

What recording formats and frame rates does the ALEXA Mini LF support?

What is the size and weight of the ALEXA Mini LF?

What is the ALEXA Mini LF input voltage and power draw?

Which Recording Media can I use with ALEXA Mini LF?
Related products

Show all  Recommended  Wireless Compact Unit  Wireless Video Transmitter  Operator Control Units  Codex Compact Drive™
ALEXA Mini LF Tech Talks

<table>
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<tr>
<th>Sensor Type</th>
<th>Large Format ARRI ALEV III (A2X) CMOS sensor with Bayer pattern color filter array</th>
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| Sensor Maximum Resolution and Size | 4448 x 3096  
36.70 x 25.54 mm / 1.444 x 1.005”  
⌀ 44.71 mm / 1.760” |
| Sensor Frame Rates | 0.75 - 90 fps |
| Weight | ~2.6 kg / ~5.7 lbs  
(camera body with LPL lens mount)  
800 g (MVF-2) |
ALEXA Mini LF Tech Talk: ECS Accessories

Electronic accessories for ALEXA Mini LF include the WCU-4 for wireless control; OCU-1 for operator control; ARRI Master Grips; web remote via WiFi; camera control with the new MVF-2 viewfinder; and ARRI’s Wireless Video System, including the new WVR-1s receiver.

ALEXA Mini LF Tech Talk: Mechanical Accessories

ALEXA Mini LF is compatible with almost all ALEXA Mini accessories, with the slight camera body differences accommodated by a new MSB-3 side bracket, new clamp for rear accessory bracket, and new vertical top plate for sideways shooting. This clip also demos the stabilizer plate for compact bridge plate, allowing quick changes from handheld to tripod, stabilizer, or remote head.

ALEXA Mini LF Tech Talk: Workflow

Get to grips with workflows for ALEXA Mini LF, which records MXF ARRIRAW or MXF Apple ProRes internally to the new 1TB Codex Compact Drive. Explore ARRI look management; recording formats and resolutions; sensor modes; Codex High Density Encoding (HDE) for data cost savings; ARRI apps like the ARRI Color Tool, ARRIRAW Converter, and ARRI Meta Extract; and ARRI online tools like the UI Simulator, Data Rates Calculator, and Frame Line and Lens Illumination Tool.
| **Recording Modes** | Standard real-time recording  
No Pre-recording  
No Intervalometer |
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<tr>
<td><strong>Viewfinder Type</strong></td>
<td>Multi Viewfinder MVF-2 with 4&quot; flip-out monitor</td>
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| **Viewfinder Technology** | OLED viewfinder display  
LCD fold out monitor |
| **Viewfinder Resolution (pixel)** | 1920 x 1080 |
| **Viewfinder Diopter** | Adjustable from -5 to +5 diopters |
| **Color Output** | Rec 709  
Rec 2020  
Log C  
Custom Look (ARRI Look File ALF-2) |
| **Look Control** | Import of custom 3D LUT  
ASC CDL parameters (slope, offset, power, saturation) |
| **White Balance** | Manual and auto white balance, adjustable from 2000K to 11000K in 10K steps  
Color correction adjustable range from -16 to +16 CC  
1 CC corresponds to 035 Kodak CC values or 1/8 Rosco values |
| **Filters** | Built-in motorized ND filters 0.6, 1.2, 1.8  
Fixed optical low pass, UV, IR filter |
| **Image Outputs** | 1x proprietary signal output for MVF-2 viewfinder  
SDI 1: 1.5G 422 HD (SMPTE ST292-1, up to 30 fps), 3G 422 HD (SMPTE ST425-1, up to 60 fps), 3G 444 HD (SMPTE ST425-3, up to 30 fps), 6G 422 UHD (SMPTE ST2081-10, up to 30 fps)*  
SDI 1: 1.5G 422 HD (SMPTE ST292-1, up to 30 fps), 3G 422 HD (SMPTE ST425-1, up to 60 fps), 3G 444 HD (SMPTE ST425-3, up to 30 fps), 6G 422 UHD (SMPTE ST2081-10, up to 30 fps)*  
*If one SDI output is switched to 6G UHD, the other one will have to be 1.5G HD or 3G HD  
Both SDI outputs carry uncompressed video |
with embedded audio and metadata. SDI 1 and 2 can be either “clean” (HD or UHD) or “processed” (only HD). Clean is an image without any overlays (status, false color, zebra, framelines, etc.). Both SDIs can be clean at the same time. If one SDI is switched to processed, the other can be a clone of that one, or has to be clean.

### Lens Squeeze Factors

- 1.00
- 1.25
- 1.30
- 1.50
- 1.65
- 1.80
- 2.00

### Exposure and Focus Tools

- False Color
- Zebra
- Zoom
- Aperture and Color Peaking

### Audio Input

- 1x LEMO 6pin balanced stereo line in with 12V power output
- (Line input max. level +24dBu correlating to 0dBFS)

### Audio Output

- SDI (embedded)
- 3,5mm stereo headphone jack (on MVF-2)

### Audio Recording

- 2 channel linear PCM, 24 bit 48 kHz

### Remote Control Options

- MVF-2 viewfinder can act as wired remote control with 10m/33ft cable
- Web-based remote control from smart phones, tablets and laptops via WiFi & Ethernet (beta version)
- Camera Access Protocol (CAP) via Ethernet & WiFi
- GPIO interface for integration with custom control interfaces
- WCU-4 hand-unit with control over lens motors and operational parameters via built-in white radio
- SXU-1 hand-unit with control over one lens channel
- OCU-1 and Master Grip control of lens and user buttons

### Interfaces

- 1x LEMO 5pin LTC Timecode In/Out
- 1x LEMO 10pin Ethernet for remote control and service
- 1x BNC SYNC IN
- 1x LEMO 7pin EXT multi purpose accessory interface w. RS pin and 24V power output
- 1x LEMO 4pin LBUS (on lens mount) for lenses motors, daisy chainable
- 1x USB 2.0 in media bay (for user setups, look
| **Wireless Interfaces** | Built-in WiFi module (IEEE 802.11b/g)  
Built-in White Radio for ARRI lens and camera remote control |
|-------------------------|----------------------------------------------------------------------------------------------------------|
| **Lens Mounts**         | LPL lens mount with LBUS connector  
PL-to-LPL adapter  
Leitz M mount (available from Leitz) |
| **Flange Focal Depth**  | LPL mount: 44 mm  
with PL-to-LPL adapter: 52 mm |
| **Power Input**         | 1x LEMO 8pin (11-34 V DC) |
| **Power Consumption**   | Around 65 W when recording ARRIRAW at 24 fps with MVF-2 attached (preliminary information) |
| **Power Outputs**       | 1x Fischer 3pin 24V RS  
1x LEMO 2pin 12V  
1x LEMO 7pin EXT 24V power output |
| **Power Management**    | - |
| **Measurements (HxWxL)** | 140 x 143 x 188 mm / 5.5 x 5.6 x 7.4”  
(camera body with LPL lens mount) |
| **Operating Temperature** | -20° C to +45° C / -4° F to +113° F @ 95% relative humidity max, non condensing, splash and dust proof through sealed electronics |
| **Storage Temperature** | -30° C to +70° C / -22° F to +158° F |
| **Sound Level**         | < 20 dB(A) at 24fps |
| **Software Licenses**   | - |

**ALEXA Mini LF Configuration Overviews**
1.9.3 ALEXA Mini LF - Mechanical Accessories

PDF 769 KB

1.9.2 ALEXA Mini LF - Electronic Accessories

PDF 472 KB
ARRI Technology

ARRI Built Quality
Almost a century of experience, an obsessive attention to detail and an intimate familiarity with the conditions on set have led to generations of ARRI cameras that are robust, reliable and simple to operate - all features that our digital cameras have inherited. Learn more...

ALEXA LF
Enlarge your vision
Signature Prime Lenses
Organic images filled with life and emotion

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