Technical Data

Model	ALEXA Mini LF
Sensor Type	Large Format ARRI ALEV III (A2X) CMOS sensor with Bayer pattern color filter array
Sensor Size	36.70 x 25.54 mm / 1.444 x 1.005" ⌀ 44.71 mm / 1.760"
Photosite Pitch	8.25 µm
Sensor Frame Rates	0.75 - 90 fps
Sensor Active Image Area (photosites)	LF Open Gate ProRes 4.5K: 4448 x 3096 LF Open Gate ARRIRAW 4.5K: 4448 x 3096 LF 16:9 ProRes HD: 3840 x 2160 LF 16:9 ProRes 2K: 3840 x 2160 LF 16:9 ProRes UHD: 3840 x 2160 LF 16:9 ARRIRAW UHD: 3840 x 2160 LF 2.39:1 ProRes 4.5K: 4448 x 1856 LF 2.39:1 ARRIRAW 4.5K: 4448 x 1856
Sensor Active Image Area (dimensions)	LF Open Gate ProRes 4.5K: 36.70 x 25.54 mm / 1.445 x 1.006" LF Open Gate ARRIRAW 4.5K: 36.70 x 25.54 mm / 1.445 x 1.006" LF 16:9 ProRes HD: 31.68 x 17.82 mm / 1.247 x 0.702" LF 16:9 ProRes 2K: 31.68 x 17.82 mm / 1.247 x 0.702" LF 16:9 ProRes UHD: 31.68 x 17.82 mm / 1.247 x 0.702" LF 16:9 ARRIRAW UHD: 31.68 x 17.82 mm / 1.247 x 0.702" LF 2.39:1 ProRes 4.5K: 36.70 x 15.31 mm / 1.445 x 0.603" LF 2.39:1 ARRIRAW 4.5K: 36.70 x 15.31 mm / 1.445 x 0.603"
Recording File Container Size (pixel)	LF Open Gate ProRes 4.5K: 4480 x 3096 LF Open Gate ARRIRAW 4.5K: 4448 x 3096 LF 16:9 ProRes HD: 1920 x 1080 LF 16:9 ProRes 2K: 2048 x 1152 LF 16:9 ProRes UHD: 3840 x 2160 LF 16:9 ARRIRAW UHD: 3840 x 2160 LF 2.39:1 ProRes 4.5K: 4480 x 1856 LF 2.39:1 ARRIRAW 4.5K: 4448 x 1856
Recording File Image Content (pixel)	LF Open Gate ProRes 4.5K: 4448 x 3096 LF Open Gate ARRIRAW 4.5K: 4448 x 3096 LF 16:9 ProRes HD: 1920 x 1080 LF 16:9 ProRes 2K: 2048 x 1152 LF 16:9 ProRes UHD: 3840 x 2160 LF 16:9 ARRIRAW UHD: 3840 x 2160 LF 2.39:1 ProRes 4.5K: 4448 x 1856 LF 2.39:1 ARRIRAW 4.5K: 4448 x 1856
Exposure Latitude	14+ stops over the entire sensitivity range from EI 160 to EI 3200 as measured with the ARRI Dynamic Range Test Chart (DRTC-1)
Exposure Index	Adjustable from EI 160-3200 in 1/3 stops EI 800 base sensitivity
Shutter	Electronic shutter, 5.0°- 356° or 1s - 1/8000s
Recording Formats	MXF/ARRIRAW MXF/Apple ProRes 4444 XQ MXF/Apple ProRes 4444 MXF/Apple ProRes 422 (HQ)

Recording Media	Codex Compact Drives
Recording Frame Rates	LF Open Gate ProRes 4.5K: 0.75 - 40 fps LF Open Gate ARRIRAW 4.5K: 0.75 - 40 fps LF 16:9 ProRes HD: 0.75 - 90 fps LF 16:9 ProRes 2K: 0.75 - 90 fps LF 16:9 ProRes UHD: 0.75 - 60 fps LF 16:9 ARRIRAW UHD: 0.75 - 60 fps LF 2.39:1 ProRes 4.5K: 0.75 - 60 fps LF 2.39:1 ARRIRAW 4.5K: 0.75 - 60 fps Note: maximum fps values are preliminary information
Recording Modes	Standard real-time recording No Pre-recording No Intervalometer
Viewfinder Type	Multi Viewfinder MVF-2 with 4" flip-out monitor
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 2x SDI Out: 1,5G (SMPTE ST292-1), 3G (SMPTE ST425-1, ST425-3), 6G (SMPTE ST2081-10) uncompressed video with embedded audio and metadata
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 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 lens motors, daisy chainable 1x USB 2.0 in media bay (for user setups, look files etc)
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 (availbale from Leitz)
Flange Focal Depth	LPL mount: 44 mm with PL-to-LPL adapter: 52 mm
Power Input	1x LEMO 8pin (10.5-34 V DC)
Power Consumption	Around 65 W when recording ProRes 4444 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)
Weight	~ 2.7 kg / ~ 6.0 lbs (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	-