



Identity Number	K1.0003873
Model	ALEXA Mini
Sensor Type	Super 35 format ARRI ALEV III CMOS sensor with Bayer pattern color
Sensor Maximum Resolution and Size	3424 x 2202 28.25 x 18.17 mm / 1.112 x 0.715" ø 33.59 mm / 1.322"
Sensor Frame Rates	0.75 - 200 fps
Weight	~2.3 kg / ~5 lbs (camera body with titanium PL lens mount)
Photosite Pitch	8.25 µm
Sensor Active Image Area Photosites	S16 HD: 1600 x 900 HD: 2880 x 1620 2K: 2868 x 1612 3.2K: 3200 x 1800 4K UHD: 3200 x 1800 4:3 2.8K: 2880 x 2160 2.39:1 2K Ana.: 2560 x 2145 HD Ana.: 1920 x 2160 ARRIRAW 16:9 2.8K: 2880 x 1620 Open Gate 3.4K: 3424 x 2202
Sensor Active Image Area Dimensions	S16 HD: 13.20 x 7.43 mm / 0.520 x 0.292" HD: 23.76 x 13.37 mm / 0.935 x 0.526" 2K: 23.66 x 13.30 mm / 0.932 x 0.524" 3.2K: 26.40 x 14.85 mm / 1.039 x 0.585" 4K UHD: 26.40 x 14.85 mm / 1.039 x 0.585" 4:3 2.8K: 23.76 x 17.82 mm / 0.935 x 0.702" 2.39:1 2K Ana.: 21.12 x 17.70 mm / 0.831 x 0.697" HD Ana.: 15.84 x 17.82 mm / 0.624 x 0.702" ARRIRAW 16:9 2.8K: 23.76 x 13.37 mm / 0.935 x 0.526" Open Gate 3.4K: 28.25 x 18.17 mm / 1.112 x 0.715"
Recording File Container Size	S16 HD: 1920 x 1080 HD: 1920 x 1080 2K: 2048 x 1152 3.2K: 3200 x 1800 4K UHD: 3840 x 2160 4:3 2.8K: 2944 x 2160 2.39:1 2K Ana.: 2048 x 858 HD Ana.: 1920 x 1080 ARRIRAW 16:9 2.8K: 2880 x 1620 Open Gate 3.4K: 3424 x 2202
Recording File Image Content	ProRes S16 HD: 1920 x 1080 ProRes HD: 1920 x 1080 ProRes 2K: 2048 x 1152 ProRes 3.2K: 3200 x 1800 ProRes 4K UHD: 3840 x 2160 ProRes 4:3 2.8K: 2880 x 2160 ProRes HD Anamorphic: 1920 x 1080 ProRes 2.39:1 2K Anamorphic: 2048 x 858 ARRIRAW 16:9 2.8K: 2880 x 1620 ARRIRAW Open Gate 3.4K: 3424 x 2202 ARRIRAW 4:3 2.8K (OG 3.4K): 3424 x 2202 ARRIRAW 2.39:1 2K Ana. (OG 3.4K): 3424 x 2202 ARRIRAW 16:9 HD Ana. (OG 3.4K): 3424 x 2202

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 Apple ProRes 4444 XQ Apple ProRes 4444 Apple ProRes 422 HQ Apple ProRes 422 Apple ProRes 422 LT
Recording Media	CFast 2.0 Cards
Recording Frame Rates	ProRes HD: 0.75 - 200 fps ProRes S16 HD: 0.75 - 200 fps ProRes 2K: 0.75 - 200 fps ProRes 3.2K: 0.75 - 60 fps ProRes UHD: 0.75 - 60 fps ProRes 4:3 2.8K: 0.75 - 50 fps ProRes 2:39:1 2K Ana.: 0.75 - 120 fps ProRes HD Ana.: 0.75 - 120 fps MXF/ARRIRAW 16:9 2.8K: 0.75 - 48 fps MXF/ARRIRAW 3.4K Open Gate: 0.75 - 30 fps
Recording Modes	Standard real-time recording Pre-recording Intervalometer Stop Motion
Viewfinder Type	Multi Viewfinder MVF-1 with 3,2" flip-out monitor Camera Control Panel (CCP-1) with option to daisy-chain MVF-1
Viewfinder Technology	OLED viewfinder display LCD fold out monitor
Viewfinder Resolution Pixel	1280 x 720
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) Knee, gamma, saturation, black gamma, saturation by hue Support of ARRI Look Library
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, 2.1 Fixed optical low pass, UV, IR filter



Image Outputs	1x proprietary signal output for MVF-1 viewfinder 2x SDI Out: 1,5G (SMPTE ST292-1), 3G (SMPTE ST425-1, ST425-3), 6G & DL 6G (SMPTE ST2081-10, ST2081-11) uncompressed video with embedded audio and metadata
Lens Squeeze Factors	1.00 1.30 2.00
Exposure and Focus Tools	False Color Zebra Zoom Waveform Aperture and Color Peaking
Audio Input	1x LEMO 5pin balanced stereo line in (Line input max. level +24dBu correlating to 0dBFS)
Audio Output	SDI (embedded)
Audio Recording	2 channel linear PCM, 24 bit 48 kHz
Remote Control Options	Web-based remote control from phones, tablets and laptops via WiFi & Ethernet Camera Access Protocol 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
Interfaces	1x LEMO 5pin LTC Timecode In/Out 1x LEMO 10pin Ethernet for remote control and service 1x BNC Sync In (optional activation through ARRI Service) 1x LEMO 7pin EXT multi purpose accessory interface w. RS pin and unregulated power output (outputs battery voltage) 1x LEMO 4pin LBUS (on lens mount) for lens motors, daisy chainable 1x USB 2.0 (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	Titanium PL lens mount with LBUS connector LPL lens mount with LBUS connector PL lens mount with Hirose connector EF lens mount B4 lens mount with Hirose connector Leitz Cine Wetzlar M lens mount
Flange Focal Depth	PL mount: 52 mm LPL mount: 44 mm
Power Input	1x LEMO 8pin (10.5-34 V DC)
Power Consumption	min. 43W max. 84W (Camera body with MVF-1)
Power Outputs	1x LEMO 7pin EXT unregulated power output (outputs battery voltage)
Power Management	-
Measurements HxWxL	140 x 125 x 185 mm / 5.5 x 4.9 x 7.3" (camera body with PL 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 4:3 License Key ALEXA Mini ARRIRAW License Key ARRI Look Library License Key