



ALEXA **MINI**

THE FAMILY GOT BIGGER. AND SMALLER.

SMALL BUT EXCELLENT

Compact, lightweight and self-contained, the ARRI ALEXA Mini is the small and versatile allrounder in the ALEXA family. Perfectly complementing a full ALEXA shooting kit, ALEXA Mini eliminates the complications of working with third-party cameras for specialized shots and keeps everything within a single system that is trusted all over the world.



Super-lightweight carbon body

© VPS Media



Perfect for gimbal mounts and multicopters

© Freely Systems



Versatile mounting and shooting options



VFX multi-camera rig

© Helicopter Film Services

NIMBLE IN USE AND HARDY ON SET

To maintain ARRI's famously rugged build quality in a small and lightweight camera, a number of unique design solutions have been incorporated. These include highly integrated and sealed electronics, a lightweight carbon housing, and a solid titanium PL mount that connects directly with the new internal sensor mount – also made of titanium – to ensure a super-stable flange focal distance, even when using large lenses.

ALEXA Mini can be operated in a number of ways: by wireless remote control, as a normal camera with the ARRI MVF-1 multi viewfinder attached, or with an on-board monitor and controlled via the user button interface on the camera body.

With the Camera Control Panel CCP-1, the camera can be used in studio mode with right-hand side interface, allowing camera controls to be accessed while the operator is framing through the optical viewfinder.

Designed with new-generation brushless gimbals, multicopters and other specialized rigs in mind, ALEXA Mini is light enough to be comfortably held at arm's length in a hand rig, while its compact size also makes it ideal for tight shooting conditions, as well as underwater, car, action, and 3D shoots.

One of the new features of ALEXA Mini Software Update (SUP) 5.0 is the EXT Sync function that allows the sensors and operational parameters of up to 15 ALEXA Mini cameras to be synchronized to a master ALEXA Mini. EXT Sync simplifies the setup and control of multi-camera 3D, VR, and VFX applications, permitting the entire multi-camera setup to be operated as if it was one single camera.



ARRI LOOK LIBRARY 87 LOOKS OR MORE - ITS UP TO YOU

From Software Update Package (SUP) 5.0 for ALEXA Mini, ARRI is introducing an exciting new way to implement high-quality looks. The ARRI Look Library makes on-set look management available to productions of all budgets and can save time on set.

Offering a repertoire of 87 predefined creative color gradings, each in three intensities, the ARRI Look Library caters to a huge variety of different shooting scenarios.

Additionally, these looks can also be used as a basic to create new color gradings, which can be done in the camera's menu or by using an external application like Pomfort Pocket Control.

In this way ARRI let the user choose its own degree of creativity – to select one of the existing looks or to get inspired to create a new one.

www.arri.com/arrilooklibrary



BEST OVERALL IMAGE QUALITY

The key advantage of ALEXA Mini is the combination of a compact and lightweight form factor with the same unparalleled image quality that has made the ARRI ALEXA system a gold standard for the industry.

Combine the Mini with any other ALEXA camera and you will have perfectly matched images, even on anamorphic productions – thanks to the 4:3 sensor and automatic de-squeeze function. Workflows will also be identical, with options to record ProRes or uncompressed MXF/ARRIRAW in-camera to CFast 2.0 cards.



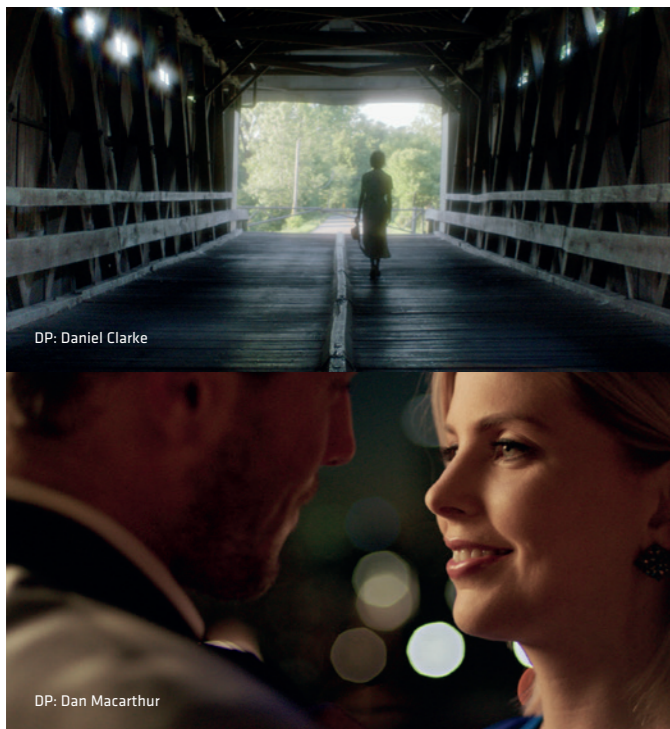
- 4:3 sensor for anamorphic productions
- ProRes up to 200 fps
- ARRIRAW

THE PERFECT MATCH - MASTER GRIPS AND ALEXA MINI WITH EF LENSES



This product combination is the ideal support for all action shots, sport reports, documentaries, or any other moments, where a super light camera set is required. Thanks to the low weight of all components, it is a real take away system, and with its compact size it also fits easily in a backpack. Solid materials, sealed electronics, and an unrestricted compatibility ensure a smooth workflow for receiving the typical cinematic ARRI HDR look, no matter how adverse the circumstances are.

Handy for single operators, the combination with the ARRI Master Grips additionally guarantee effective stabilization with comprehensive lens and iris control by one fingertip. With an intuitive user Interface, the Master Grips are easy to set up either via the integrated touchscreen or physical buttons.



DP: Daniel Clarke

DP: Dan Macarthur

FUTURE-PROOF TECHNOLOGY WITH 4K UHD, HDR, AND HFR RECORDING

ARRI's holistic approach to image quality makes ALEXA the most future-proof camera system available today, and the safest investment for tomorrow. By striking a perfect balance between pixel size and resolution, ALEXA Mini is able to capture a wider dynamic range, truer colors, lower noise and more natural skin tones than other cameras, whether the chosen output is HD, 2K, 4K UHD, or one of the native resolution outputs like uncompressed ARRIRAW 2.8K or ProRes 3.2K.

GREATER EFFICIENCY ON SET AND IN POST



SINGLE SYSTEM APPROACH

With ALEXA Mini, no extra time needs to be spent on set configuring third-party cameras previously required for specialized shots, or on wrangling the image files coming out of them.

The advantages extend into postproduction: working with ALEXA Mini eliminates time-consuming difficulties in the grade caused by combining small cameras from other manufacturers with an ALEXA shooting kit, as all images come from the same sensor and share the same color space. The ability to use CDLs and 3D LUTs in-camera for on-set color management will also reduce time and money spent in post.



Yves Krier

INTEGRATED FUNCTIONS

The ALEXA Mini's integrated lens motor controller allows focus, iris, and zoom settings to be controlled from ARRI hand units, without an additional external box. Further operational settings can be made remotely when working with the ARRI WCU-4 hand unit, including playback control and the ability to remotely load user setups.

Built-in WiFi connectivity facilitates remote control of camera functions from iOS devices, with no need for a special app. The motorized and remotely controllable internal ND filters permit rapid responses to changing light conditions, and help keep clutter around the camera to a minimum.

LENS METADATA

Integrated ARRI Lens Data System technology brings the added value of frame-accurate metadata about focus, iris and zoom settings. With these lens settings and exact depth-of-field displayed live on wireless hand units, precise adjustments can be made during a shot. The data also allows lens mapping to pre-marked focus rings and reduces the time and expense involved in achieving complex visual effects in post.



ACCESSORIES FOR ALEXA MINI



Studio Set for ALEXA Mini

A new studio set, comprising four accessories in one. With a simple interface, the Studio Set for ALEXA Mini allows rapid and tool-less transitions between configurations.



ALEXA Mini Viewfinder

ALEXA Mini can be equipped with a multi-viewfinder that makes life incredibly easy for single-operator users, combining a high-resolution OLED eyepiece with a fold-away LCD monitor. Comprises ALEXA Mini labeled MVF-1 (AMIRA EVF) and 75 cm viewfinder cable.



Transvideo StarliteHD5-ARRI 5" OLED Monitor

5" OLED monitor with integrated H.264 recorder and touchscreen interface supporting camera control. Includes SDI cable and power/communication cable that connects to the EXT connector on ALEXA Mini and AMIRA.



Lightweight Adapter Plate MAP-1

Lightweight adapter plate offering 3/8" and 1/4" centered threads, as well as interfaces for the ALEXA Mini Side Bracket MSB-1 and Rod Mounting Bracket RMB-3.



Adapter Plate with Rod Support MAP-2

Base plate for 15 mm lightweight support. Fits to the top and bottom of the ALEXA Mini. The MAP-2 is compatible with studio bridge plates via the Bridge Plate Adapter BPA-4.



Mini Side Bracket MSB-1

Side brackets featuring sturdy rosettes as well as 3/8" and 1/4" industry-standard threads for the mounting of handles and accessories.



Mini Side Bracket MSB-2

Side bracket with integrated Rod Mounting Bracket RMB-3. Particularly useful for short single 19mm rods to attach transmitter or other accessories.



Compact Bridge Plate CBP-1

Robust base plate featuring a built-in shoulder pad and an integrated sliding bridge plate. The plate can swiftly convert to fit various stabilizer systems such as the TRINITY and MAXIMA.



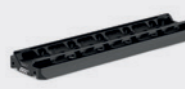
Single Support Rod 90 mm x 19 mm

Short version of ARRI's single rods that can be used with all 19 mm rod brackets such as MSB-2 or RMB-3.



Single Support Rod 150 mm x 19 mm

A lightweight 150 mm support rod for single use.



Stabilizer Plate for CBP

Balance plate that allows the ALEXA Mini to be moved effortlessly between a tripod and TRINITY, MAXIMA, or third-party stabilizer systems.



Rear Accessory Bracket RAB-1

An extension to the Mini Adapter Plate MAP-2 that offers flexible sliding support for modern battery solutions.



Side Accessory Plate SAP-1

Accessory plate that offers accessory mounting threads at the rear-end of the camera body, as well as compatibility with the Rod Mounting Bracket RMB-3.



Rod Mounting Bracket RMB-3

The RMB-3 offers support for a single 19 mm rod (15 mm rod via reduction insert) and provides mounting solutions for accessories such as lens motors or lightweight viewfinder mounts.



Mini Viewfinder Bracket MVB-1

The MVB-1 contains all necessary rods and brackets to mount an MVF-1 viewfinder to the camera via MAP-2.



Broadcast Plate for ALEXA Mini

The ARRI Broadcast Plate for ALEXA Mini is an adjustable base plate designed for documentary-style filming.



Compact Shoulder Pad CSP-1

The CSP-1 shoulder pad clamps onto 15 mm LWS rods either in front of or behind the base plate, to achieve the best possible balance on the shoulder. With CSP-1 attached, the camera rig can be safely put down on a flat surface.



Low Bracket for CSP-1

The Low Bracket for CSP-1 is specifically designed for the Mini Adapter Plate MAP-2. When fitted to the Camera Shoulder Pad CSP-1, this low bracket makes handheld camera operating easier by lowering the ALEXA Mini on the shoulder by 15 mm.



Bridge Plate Adapter BPA-4

Spacer that allows standard bridge plates to be mounted to the ALEXA Mini Adapter Plate MAP-2. The BPA-4 also features centered 3/8" and 1/4" threads for standard tripod plates.



Battery Adapter Plate BAP-1

The BAP-1 battery plate allows industry-standard battery mounts such as V-Mount and Gold Mount to fit to 15 mm LWS rods. It can be offset in order to clear the rear card slots or to optimize balance.



Battery Adapter Plate BAP-2

Side-mounted plate designed for the standard mounting points of IDX and Anton Bauer battery adapter plates. This plate provides an ideal placement of the battery for use in compact setups such as handheld camera stabilizers and multi-rotor aircraft.



Adapter Plate Mk II for ALEXA Mini

Solid battery adapter featuring a battery power-in connector. Available in Gold Mount and V-mount versions.



Power Splitting Box Mk II

Proven battery solution featuring a battery power-in connector. Available in Gold Mount and V-mount versions.



EXT-RS Adapter

Short adapter cable that connects to the EXT connector of the ALEXA Mini and provides a 3-pin RS connector.

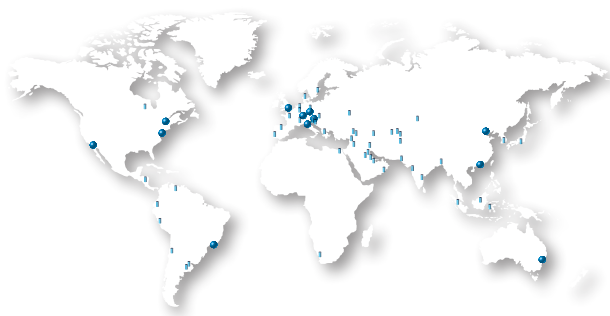
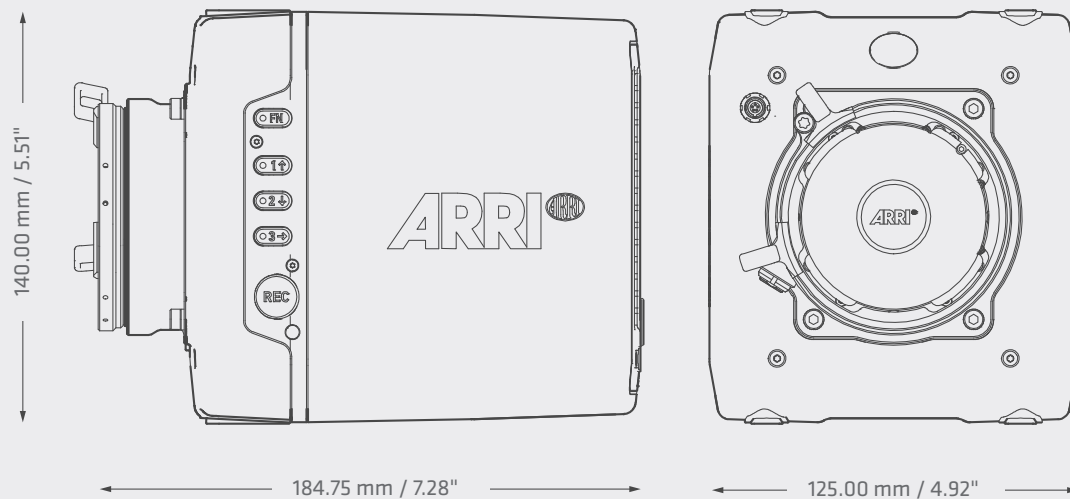
TECHNICAL SPECIFICATIONS

Camera type	35mm format film-style digital camera with lightweight and compact carbon body, switchable active sensor area, support for ARRI MVF-1 viewfinder, built-in remote control capabilities via ARRI Electronic Control system and WIFI, support for LBUS lens motors, built-in motorized ND filters, interchangeable lens mounts, ARRI Lens Data System and ARRI Lens Data Archive		
Sensor	35mm format ARRI ALEV III CMOS with Bayer pattern color filter array (28.17x18.13)		
Dynamic range	14.5+ stops		
Active photo sites (with surround view)	516HD 1600x900 (1760x980), HD 2880x1620 (3168x1772), 2K 2868x1612 (3154x1764), 3.2K 3200x1800 (3424x1926), 4K UHD 3200x1800 (3424x1926), 4:3 2.8K* 2880x2160 (3168x2160), 2.39:1 2K Anamorphic* 2560x2145 (3424x2202), HD Anamorphic* 1920x2160 (3424x2202), ARRIRAW 16:9 2.8K** 2880x1620 (3168x1762), ARRIRAW Open Gate 3.4K*** 3424x2202 (3424x2202)		
Recording codecs	ARRIRAW**, ProRes 4444 XQ, ProRes 4444, ProRes 422 HQ, ProRes 422, ProRes 422 LT (all with embedded audio & metadata)		
Recording media	SanDisk Extreme Pro CFast 2.0 120 GB (SDCFP-120G), SanDisk Extreme Pro CFast 2.0 128 GB (SDCFP-128G, Version A, B), Lexar 3600x CFast 2.0 128 GB (LC128CRBxx3600), Lexar 3600x CFast 2.0 256 GB (LC256CRBxx3600)		
Recording formats	ProRes	ProRes anamorphic formats with 2x in-camera de-squeeze	
	516 HD	1920 x 1080 (up-sampled from 1600 x 900)	HD Anamorphic* 1920 x 1080
	HD	1920 x 1080	2.39:1 2K Anamorphic* 2048 x 858
	2K	2048 x 1152	
	3.2K	3200 x 1800	
	4K UHD	3840 x 2160 (up-sampled from 3.2K)	
	4:3 2.8K*	2880 x 2160 (padded to 2944 x 2160)	
	MXF/ARRIRAW (in-camera recording to MXF-wrapped ARRIRAW files)		MXF/ARRIRAW Open Gate modes with active image area matching 4:3 ProRes modes
	2.8K 16:9**	2880 x 1620	4:3 2.8K (OG 3.4K)** 2880 x 2160 (Recording in Open Gate 3.4K)
	Open Gate 3.4K***	3424 x 2202	2.39:1 Ana. (OG 3.4K)** 2560 x 2145 (Recording in Open Gate 3.4K)
			16:9 HD Ana. (OG 3.4K)** 1920 x 2160 (Recording in Open Gate 3.4K)
Recording frame rates	ProRes		ARRIRAW
	516HD, HD, 2K	ProRes 422LT, 422, 422HQ, 4444 ProRes 4444XQ	200fps 120fps
	3.2K, 4K UHD	ProRes 422LT, 422, 422HQ, 4444 ProRes 4444XQ	60fps 30fps
	4:3 2.8K*	ProRes 422LT, 422, 422HQ, 4444, 4444XQ	50fps
	HD Ana., 2.39:1 Ana.*	ProRes 422LT, 422, 422HQ, 4444, 4444XQ	120fps
Lens mounts	Titanium PL mount with L-Bus connector and LDS, EF Mount, PL mount w/ Hirose connector and LDS, B4 mount w/ Hirose connector		
Viewfinder	Multi Viewfinder MVF-1 (OLED, 1280x720) with flip-out LCD screen (800x400) and military-grade connector to camera, Camera Control Panel (CCP-1) LCD control panel with option to daisy-chain MVF-1		
Control interface	Soft buttons and OSD on SDI output, integration of Transvideo Starlite HD5-ARRI touch interface, WCU-4 hand unit with control over operational parameters		
Shutter	Electronic shutter Shutter angle from 5.0° to 356.0°, adjustable with 1/10 degree precision Exposure time from 1s to 1/8000s, adjustable with 1/1000 seconds precision		
Filters	Integrated motorized ND filters, FSND 0.6, 1.2, 2.1		
Exposure index	Adjustable from EI 160-3200 in 1/3 stops (EI 800 base sensitivity)		
Exposure latitude	14.5+ stops over the entire sensitivity range from EI 160 to EI 3200 as measured with the ARRI Dynamic Range Test Chart (DRTC-1)		
White balance	Automatic calculation or manual white balance for 2000K to 11000K, adjustable in 10K steps Presets for 3200K (tungsten), 4300K (fluorescent), 5600K (daylight) and 7000K (daylight cool)		
Color correction	While white balance changes the red/blue hue of the image, color correction changes green/magenta Adjustable range from -16 to +16CC. 1 CC corresponds to 035 Kodak CC values or 1/8 Rosco values		
Focus and exposure control	Color peaking, aperture peaking, false color, zebra, waveform		
Image processing	16bit linear internal image processing in full ALEXA Wide Gamut/Log C color space Target output color spaces: Log C, Rec 709 or Rec 2020		
Look management	ARRI Look File V2 (ALF-2), complete look functions, ARRI Look Library		
Adjustable image parameters	Knee, Gamma, Saturation, Black Gamma, Saturation by Hue ASC CDL parameters (Slope, Offset, Power, Saturation)		
Audio	1x Lemo 5 pin Audio IN for 2 channels, line level, 24 bit PCM, 48 kHz Uncompressed PCM audio recording to ARRIRAW, ProRes and embedded in all HD-SDI outputs		
Monitor outputs	2x HD-SDI outputs: 1.5G, 3G and 6G; uncompressed HD/UHD video with embedded audio, timecode, metadata and recording flag		
Inputs	Timecode (i/o), Genlock (optional activation through ARRI service)		
Other interfaces	LBUS connector (on Titanium PL mount) for lens motors and accessories, EXT accessory interface w. RS pin and unregulated power output (outputs battery voltage), White coded radio interface for ARRI lens and camera remote control, WIFI (host and client mode), Ethernet (for camera remote control and service), USB 2.0 (for user setup files, look files etc.)		
Remote control	Web-based remote control from phones, tablets and laptops via WIFI or Ethernet Wireless Compact Unit WCU-4 for lens control and control of main operational parameters General Purpose IO Box GPB-1 offering 14 freely configurable user buttons, connects to the camera's EXT port Camera Access Protocol for control over look file parameters and/or operational parameters		
Synchronization	EXT Sync master/slave(s) mode for precision synchronization of sensor timing and operational settings for 3D, VFX plates and VR for up to 16 cameras		
Power input	Lemo 8-pin, 10.5-34 V DC		
Sound level	< 20 dB(A) at standard frame rates		
Environmental	-20° C to +45° C (-4° F to +113° F) @ 95% humidity max, non-condensing, splash and dust-proof through sealed electronics		
Dimensions	Length: 185mm / 7.3", Width: 125mm / 4.9", Height: 140mm / 5.5" (camera body with PL lens mount)		
Weight	~ 2.3kg / 5lbs (camera body with titanium PL lens mount)		

* requires ALEXA Mini 4:3 License Key ** requires ALEXA Mini ARRIRAW License Key *** requires both ALEXA Mini 4:3 and ARRIRAW Licenses Keys

Visit our webpage for more information: www.arri.com/alexamini

ALEXA MINI DIMENSIONS



GLOBAL SERVICE AND SUPPORT

The ALEXA Mini and its accessories are built to withstand hard, prolonged use on set. Every single tool is backed by ARRI's worldwide network of official service centers, offering support 24 hours a day, five days a week.

Please contact your local dealer for more information
www.arri.com/goto/sales/camera

