

ARRI | ALEXA Mini

Technical specifications

Camera type	35 format film-style digital camera with lightweight and compact carbon body, 4:3/16:9 switchable active sensor area, support for ARRI MVF-1 viewfinder, built-in remote control capabilities via ARRI Electronic Control System and Wi-Fi, support for cforce motors, built-in motorized ND filters, interchangeable lens mounts and ARRI Lens Data System
Dimensions	Length: 185 mm/7.3" Width: 125 mm/4.9" Height: 140 mm/5.5" (camera body with PL lens mount)
Weight	~ 2.3 kg/5 lbs (camera body with titanium PL lens mount)
Sensor	35 mm format ARRI ALEV III CMOS with Bayer pattern color filter array
Photo sites (with surround view)	16:9 HD: 2880x1620 (3168x1772) 2K: 2868x1612 (3154x1764) 3.2K: 3200x1800 (3424x1926) 4K UHD: 3200x1800 (3424x1926) 4:3 2K: 2867x2150 (3168x2160) *
Shutter	Electronic shutter, 5.0° to 356.0°
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	EI 800 base sensitivity
Filters	Built-in motorized ND filters 0.6, 1.2, 2.1
Lens mounts	Titanium PL mount with L-Bus connector and LDS EF mount PL mount with Hirose connector and LDS B4 mount with Hirose connector
Recording media	CFast 2.0 memory cards
Recording formats	HD 1920x1080 2K Cine 16:9 2048x1152 2K Cine 4:3 2048x1536 * 3.2K 3200x1800 4K UHD 3840x2160 ARRIRAW 2.8K 16:9 2880x1620 * ARRIRAW 2.8K 4:3 2880x2160 *
Recording codec	ProRes 4444XQ, 4444, 422 (HQ), 422, 422(LT), ARRIRAW *

Recording frame rates

Sensor Mode	Recording Format			Maximum Frame Rate in fps ⁽¹⁾	
	Recording File Type	Recording Resolution ⁽²⁾	Recording File Setting	Internal Recording	External Recorder
				CFast 2.0 128 GB	Codex
16:9	ProRes	HD	422	200	-
			422 HQ	200	-
			4444	200	-
			4444 XQ	120	-
		2K Cine	422	200	-
			422 HQ	200	-
			4444	200	-
			4444 XQ	120	-
		3.2K	422	60	-
			422 HQ	60	-
			4444	60	-
			4444 XQ	30	-
	4K UHD	422	60	-	
		422 HQ	60	-	
		4444	60	-	
		4444 XQ	30	-	
ARRIRAW**	2.8K		30	120	
4:3**	ProRes	2K Cine	422	150	-
			422 HQ	150	-
			4444	120	-
			4444 XQ	60	-
	ARRIRAW	2.8K	Full	30	60
		2.6K	Cropped	30	60

** available with SUP 2.0

(1) Minimum frame rate is always 0.75 fps

(2) The "recording resolution" determines the number of horizontal pixels that will be recorded (the number of vertical pixels is dependent on the recording file type and sensor mode)

Color output	Rec 709, custom look or Log C
Look control	Import of custom 3D LUT, ASC CDL parameter (slope, offset, power, saturation)
Adjustable image parameters	Knee, gamma, saturation, black gamma, saturation by hue
Focus and exposure control	Peaking, zebra, false color
White balance	Manual and auto white balance
Sound level	< 20 dB(A) at standard frame rates
Environmental	-20° C to +50° C (-4° F to +122° F) @ 95% humidity max, non-condensing Splash and dust-proof through sealed electronics
Viewfinder	Multi Viewfinder MVF-1 (OLED and LCD) with flip-out LCD screen and military-grade connector to camera
Control interface	Soft buttons and OSD on SDI output, integration of Transvideo StarliteHD touch interface *
ARRI lens motor control	Built-in radio interface for ARRI lens control L-Bus motor output for daisy-chainable cforce lens control motors

Wi-Fi remote control	Built-in Wi-Fi interface and web-based remote control from phones, tablets and laptops
Custom control	Optional GPIO interface for integration with custom control interfaces
Power input	Lemo 8-pin, 10.5-34 V DC
Video outputs	2x HD-SDI out 1.5G and 3G: uncompressed HD video with embedded audio and metadata, SDI-6G interface to external CODEX recorder *
Inputs	SDI-Genlock (optional activation through ARRI Service), timecode (in and output)
Other interfaces	USB 2.0 (for usersets, looks etc.) Ethernet EXT accessory interface w. RS pin

* may not be available at product launch, but will become available as a software upgrade later in 2015