

ALEXA AMIRA

SPECIFICATIONS

Sensor Type: Super 35 ARRI ALEV III CMOS with Bayer pattern color filter array
Sensor Maximum Resolution: 3200 × 1800 photosites
Sensor Size: 26.40 × 14.85 mm
Sensor Diagonal: 30.29 mm
Photosite Pitch: 8.25 µm
Dynamic Range: 14+ stops
Base Sensitivity: EI 800
Exposure Index Range: EI 160–3200, adjustable in 1/3-stop increments
Maximum Sensor Frame Rate: Up to 200 fps, depending on recording format, camera model and installed licenses

Recording Formats and Resolutions:

S16 HD: 1920 × 1080
HD: 1920 × 1080
2K: 2048 × 1152
3.2K: 3200 × 1800
4K UHD: 3840 × 2160
ARRIRAW 2.8K 16:9: 2880 × 1620
4K UHD recording requires the appropriate license. ARRIRAW recording requires the ARRIRAW license key.

Recording Codecs:

MXF/ARRIRAW
Apple ProRes 4444 XQ
Apple ProRes 4444
Apple ProRes 422 HQ
Apple ProRes 422
Apple ProRes 422 LT
MPEG-2 HD
Available codecs depend on the AMIRA model, installed software version and recording licenses.

Recording Media:

Media Type: CFast 2.0 memory cards
Recording Format: MXF
Recording Modes: Standard recording, pre-recording, intervalometer and stop motion

Frame Rates and Shutter:

Sensor Frame Rate Range: 0.75–200 fps
Shutter Type: Electronic shutter
Shutter Angle: 5°–356°
Shutter Speed: 1 second to 1/8000 second

Maximum recording frame rates depend on the codec, resolution, camera model and installed licenses. HD and 2K recording can reach 200 fps on supported configurations, while 3.2K and 4K UHD recording are limited to lower frame rates.

Lens Mounts:

ARRI PL Mount with LDS and Hirose connector

Titanium PL Mount with LDS and LBUS connector

EF Mount

B4 Mount with Hirose connector

Lens Mount: Interchangeable

Lens Data: ARRI Lens Data System (LDS), depending on lens mount and lens compatibility

Note: LBUS motor compatibility depends on the specific AMIRA mount and configuration.

Built-in ND Filters:

Integrated motorized FSND filter system

Clear

FSND 0.6 (2 stops)

FSND 1.2 (4 stops)

FSND 2.1 (7 stops)

The built-in ND filters allow exposure adjustment without changing the aperture or shutter settings.

Viewfinder and Monitoring:

Viewfinder Model: ARRI MVF-1

Viewfinder Type: Electronic OLED viewfinder with flip-out LCD monitor

Viewfinder Resolution: 1280 × 720 pixels

LCD Monitor Size: 3.2 inches

Diopter Adjustment: Adjustable

Camera Control Panel: CCP-1 compatible

Features: Camera control, image monitoring, menu access and recording status display

Video Outputs and Connectivity:

3G-SDI video outputs

HD-SDI monitoring

Built-in Wi-Fi for remote camera control

Ethernet connectivity, depending on configuration

Timecode input/output

Genlock synchronization

EXT connector for camera control and accessories

Audio input and monitoring connections

Compatible with ARRI Electronic Control System accessories

Power Requirements:

Power Input: 1 × XLR 4-pin DC input

Input Voltage: 10.5–34 V DC

Power Consumption: Approximately 85 W, depending on camera configuration and accessories

Power Supply: Compatible external DC power supplies and professional battery Systems

Audio:

Built-in stereo microphone
2 × balanced XLR audio inputs
Professional audio recording with adjustable input levels
Phantom power support for compatible microphones
Embedded audio in recorded video files
Audio monitoring through compatible headphones

Physical Dimensions and Weight:

Length: 309 mm / 12.2 in
Height: 149 mm / 5.9 in
Width: 139 mm / 5.5 in
Camera Body Weight: Approximately 4.1 kg / 9.0 lb, with PL lens mount and excluding additional accessories

Image Processing and Color Science:

ARRI ALEV III CMOS Sensor
ARRI Wide Gamut color processing, depending on software configuration
ARRI Log C
Rec. 709 recording and monitoring
In-camera color grading
Preloaded 3D LUTs
Custom look import and adjustment
ASC CDL parameters, including slope, offset, power and saturation, on supported configurations

Advanced Features:

Integrated shoulder-mounted camera design
Built-in motorized neutral density filters
Built-in Wi-Fi remote control
Pre-recording functionality
Intervalometer recording
Stop-motion recording
In-camera look creation and color grading
Interchangeable lens mounts
Compatibility with ARRI electronic camera accessories
Optional 4K UHD recording license
Optional ARRIRAW recording license
Slow-motion recording up to 200 fps on supported configurations