

ALEXA CLASSIC SPECIFICATIONS

Sensor Type: Super 35 ARRI ALEV III CMOS with Bayer pattern color filter array

Sensor Resolution: 2880 × 1620 photosites in 16:9 mode

Sensor Size: Approximately 23.76 × 13.37 mm in 16:9 mode

Sensor Diagonal: Approximately 27.26 mm in 16:9 mode

Photosite Pitch: 8.25 µm

Dynamic Range: 14+ stops

Base Sensitivity: EI 800

Exposure Index Range: EI 160–3200

Maximum Frame Rate: Depends on the camera configuration, recording format and installed licenses; supported configurations can reach 120 fps or higher using specific recording modes and licenses.

Recording Formats and Resolutions:

HD 16:9: 1920 × 1080

2K 16:9: 2048 × 1152

2.8K ARRIRAW: 2880 horizontal photosites, with vertical resolution depending on sensor mode

4:3 Sensor Mode: Available on ALEXA Plus 4:3, ALEXA M and ALEXA Studio models

16:9 Sensor Mode: Standard on ALEXA Classic configurations

Available recording resolutions depend on the selected sensor mode, codec, recording media and software license.

Recording Codecs:

Apple ProRes 422

Apple ProRes 422 HQ

Apple ProRes 4444

Avid DNxHD, on supported configurations with the appropriate license

ARRIRAW, via a compatible external recorder

Recording Media: SxS PRO and SxS PRO+ cards, depending on camera configuration. ARRIRAW recording requires a compatible external recorder, such as the Codex Onboard S or Codex Onboard S Plus.

Frame Rates and Shutter:

Sensor Frame Rate Range: From 0.75 fps; maximum frame rate depends on camera configuration and recording format

Shutter Type: Electronic shutter

Shutter Angle: 5°–356°

Shutter Speed: 1 second to 1/8000 second

High-Speed Recording: Available on supported configurations with the appropriate license.

Lens Mounts:

Standard Lens Mount: PL mount

Lens Mount Options: PL and compatible interchangeable mounts, depending on camera model

Lens Data: LDS support on compatible Plus configurations and lens mounts

Lens Compatibility: Professional PL-mount cinema lenses

Built-in ND Filters:

No integrated motorized ND filter system on the standard ALEXA Classic body. External matte-box filters or compatible accessories are required for neutral-density filtration.

Viewfinder and Monitoring:

Viewfinder: ARRI electronic viewfinder, depending on model and configuration

Viewfinder Options: EVF-1 on compatible Classic configurations

Monitoring: SDI monitoring outputs

Camera Control: Integrated camera menu and compatible ARRI camera-control accessories

Video Outputs and Connectivity:

HD-SDI monitoring outputs

MON OUT for monitoring

REC OUT for recording or compatible external-recorder workflows

Timecode input/output

Genlock synchronization

EXT connector for compatible camera accessories

Ethernet connectivity on supported configurations

Camera-control connectivity depending on model

Power Requirements:

Power Input: Compatible professional external DC power supply or battery system

Input Voltage: Approximately 10.5–34 V DC, depending on the camera configuration

Power Consumption: Varies according to camera model, viewfinder, recording mode and connected accessories

Power Connectors: Camera-specific power input and accessory connections

Physical Dimensions and Weight:

Camera Body Weight: Approximately 6–7 kg / 13–15 lb, depending on the ALEXA Classic model and configuration

Physical Dimensions: Vary between ALEXA Classic, ALEXA Plus, ALEXA Plus 4:3, ALEXA M and ALEXA Studio configurations

Additional Weight: Viewfinder, battery adapter, recording media accessories and camera accessories are excluded.

Image Processing and Color Science:

ARRI ALEV III CMOS Sensor

ARRI Wide Gamut color processing

ARRI Log C

ARRI Look File support on compatible software versions

Custom look and color adjustments, depending on camera configuration

Rec. 709 monitoring

ARRI color-management workflow compatibility