

ALEXA PLUS CLASSIC SPECIFICATION

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

Sensor Resolution: 2880 × 1620 photosites

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: Up to 120 fps in supported recording modes with the appropriate High Speed license

Recording Formats and Resolutions:

HD 16:9: 1920 × 1080

2K 16:9: 2048 × 1152

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

The ALEXA Plus Classic uses a 16:9 sensor. Unlike the ALEXA Plus 4:3, it does not provide the full 4:3 sensor mode.

Recording Codecs:

Apple ProRes 422

Apple ProRes 422 HQ

Apple ProRes 4444

Avid DNxHD, with the appropriate license

ARRIRAW, via a compatible external recorder

Recording Media: SxS PRO and SxS PRO+ cards, depending on recording format and camera configuration.

Frame Rates and Shutter:

Sensor Frame Rate Range: 0.75–120 fps

Shutter Type: Electronic shutter

Shutter Angle: 5°–356°

Shutter Speed: 1 second to 1/8000 second

High-Speed Recording: Up to 120 fps in supported formats with the appropriate High Speed license.

Maximum frame rates depend on the recording codec, recording resolution, SxS media type and installed software version.

Lens Mounts:

Standard Lens Mount: PL mount

Lens Compatibility: Professional PL-mount cinema lenses

Lens Data: ARRI Lens Data System (LDS) support

Lens Mount Interface: Compatible with ARRI LDS lenses and supported lens-control accessories

Built-in ND Filters:

No integrated motorized ND filter system. External matte-box filters or compatible lens-mounted ND filters are required.

Viewfinder and Monitoring:

Viewfinder Model: ARRI EVF-1

Viewfinder Type: Electronic color viewfinder

Monitoring Outputs: HD-SDI

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 external recording and video output

Timecode input/output

Genlock synchronization

EXT connector for camera accessories

Ethernet connectivity

Integrated ARRI White Radio for compatible wireless camera and lens control
Integrated wireless camera-control functionality for compatible ARRI ECS hand units
LDS lens-data interface

Power Requirements:

Power Input: Compatible professional DC power supply or battery system
Input Voltage: Approximately 10.5–34 V DC, depending on configuration
Power Consumption: Depends on camera configuration, viewfinder, recording mode and accessories
Power Connections: Camera-specific power input and accessory connectors

Physical Dimensions and Weight:

Camera Body Weight: Approximately 6–7 kg / 13–15 lb, depending on configuration
Physical Dimensions: Vary according to the installed viewfinder, lens mount, battery adapter and accessories

Image Processing and Color Science:

ARRI ALEV III CMOS Sensor
ARRI Wide Gamut color processing
ARRI Log C
ARRI Look File support, depending on software version
Custom look and color adjustments
Rec. 709 monitoring
ARRI color-management workflow compatibility

Advanced Features:

Integrated ARRI White Radio for compatible wireless camera-control systems
Support for ARRI WCU-4 and other compatible Electronic Control System hand units
Lens Data System (LDS) support
Interchangeable accessories and professional camera rigging
High-speed recording up to 120 fps in supported modes
Internal ProRes recording
External ARRIRAW recording support
Professional HD-SDI monitoring and synchronization