

ALEXA 35

SPECIFICATIONS

Sensor Type: Super 35 ARRI ALEV 4 CMOS with Bayer pattern color filter array

Sensor Resolution: 4608 × 3164 photosites

Sensor Size: 27.99 × 19.22 mm

Sensor Diagonal: 33.96 mm

Photosite Pitch: 6.075 µm

Dynamic Range: 17 stops

Exposure Index Range: EI 160–6400, adjustable in 1/3-stop increments

Maximum Frame Rate: Up to 120 fps, depending on recording format and installed licenses

Recording Formats and Resolutions:

4.6K 3:2 Open Gate: 4608 × 3164

4.6K 16:9: 4608 × 2592

4K 16:9: 4096 × 2304

4K 2:1: 4096 × 2048

3.8K 16:9 UHD: 3840 × 2160

3.3K 6:5 Anamorphic: 3328 × 2790

3K 1:1: 3072 × 3072

2.7K 8:9: 2743 × 3086

2K 16:9 Super 16: 2048 × 1152

Additional recording resolutions and output formats depend on the selected sensor mode, recording codec and installed software licenses.

Recording Codecs:

MXF/ARRIRAW

MXF/Apple ProRes 4444 XQ

MXF/Apple ProRes 4444

MXF/Apple ProRes 422 HQ

Recording Media: Codex Compact Drive 1TB, Codex Compact Drive 2TB and compatible Codex Compact Drive Express media, depending on 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

Maximum Frame Rate: Up to 120 fps, depending on recording format, codec and license configuration.

Lens Mounts:

ARRI LPL Mount (LBUS)

ARRI PL Mount (LBUS)

ARRI PL Mount (Hirose)

ARRI PL-to-LPL Adapter

ARRI EF Mount (LBUS)

Leitz M Mount for ARRI

Flange Focal Depth: 44 mm for LPL mount; 52 mm for PL mount.

Lens Data: ARRI LDS support and compatible lens communication systems, depending on mount and lens configuration.

Viewfinder

Viewfinder Model: ARRI MVF-2

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

OLED Resolution: 1920 × 1080 pixels

LCD Monitor Size: 4 inches

Diopter Adjustment: –5 to +5 diopters

Monitoring: Configurable monitoring outputs with SDR and HDR support.

Video Outputs and Connectivity:

3 independent 10-bit monitoring outputs

SDI video connections

Wi-Fi remote camera control

Built-in ARRI White Radio for compatible ARRI ECS wireless camera and lens control

ETH connector for remote control and service

USB-C for user setups and look files

TC connector for timecode input/output

SYNC IN for Genlock synchronization

RET IN for return video

SERIAL connector for distance-measuring accessories

Rear interface for camera modules and battery adapters

Power Requirements:

Power Input: 1 × LEMO 8-pin PWR connector

Additional Power Input: Rear battery interface via compatible battery adapter

Input Voltage: 20.5–33.6 V DC

Power Consumption: Approximately 90 W with camera body and MVF-2 viewfinder

Power Outputs

1 × RS (Fischer 3-pin) for 24 V accessory power, start/stop and shutter pulse

1 × 12 V (LEMO 2-pin) for 12 V accessory power

1 × LBUS (LEMO 4-pin) for lens motors and 24 V power

1 × AUDIO (LEMO 6-pin) for balanced stereo line input and 12 V accessory power

1 × ETH (LEMO 10-pin) for remote control, service and 24 V accessory power

Additional power outputs are available with compatible accessories, including the ARRI PDM-1

Power Distribution Module.

Physical Dimensions and Weight:

Height: 147 mm / 5.8 in

Width: 152.5 mm / 6.0 in

Length: 203 mm / 8.0 in

Camera Body Weight: Approximately 2.9 kg / 6.4 lb, with three antennas and LPL mount (LBUS), excluding additional accessories.

Operating Conditions:

Operating Temperature: –20°C to +45°C / –4°F to +113°F

Storage Temperature: –30°C to +70°C / –22°F to +158°F

Maximum Relative Humidity: 95%, non-condensing

Environmental Protection: IP51

Sound Level: Less than 20 dB(A) at 30 fps when recording 4K UHD in Apple ProRes 4444 XQ, under specified ambient conditions.