



Recording FORMATS

ALEXA 35

Raising the bar

ALEXA 35 is a 4.6K Super 35 camera that elevates digital cinematography to unprecedented heights. ARRI's first new sensor for 12 years delivers 2.5 stops more dynamic range, film-like highlight handling, better low light performance, and richer colors across 19 recording formats.

4.6K 3:2 Open Gate



Photosites
4608 x 3164

Dimensions
27.99 x 19.22 mm
1.102 x 0.756 inch

Image Circle
33.96 mm
1.337 inch

Maximum image quality, resolution, and flexibility in post for many spherical and anamorphic lenses in an image area slightly larger than traditional film Super 35 specifications.

4.6K 4608 x 3164

ARRIRAW 2TB 75 fps
ARRIRAW 1TB 35 fps
Apple ProRes 60 fps

4.6K 16:9



Photosites
4608 x 2592

Dimensions
27.99 x 15.75 mm
1.102 x 0.618 inch

Image Circle
32.12 mm
1.264 inch

Full sensor-width recording in a 16:9 format that suits many spherical Super 35 and all large-format lenses, with room for flexibility in post. Lower data rate than Open Gate.

4.6K 4608 x 2592

ARRIRAW 2TB 75 fps
ARRIRAW 1TB 45 fps

4K 4096 x 2304
Apple ProRes 75 fps

4K 16:9



Photosites
4096 x 2304

Dimensions
24.88 x 14.00 mm
0.980 x 0.551 inch

Image Circle
28.55 mm
1.125 inch

Mimics the traditional film spherical Super 35 format for maximum lens compatibility. Multiple in-camera downsampling options provide lower data rates.

4K 4096 x 2304

ARRIRAW 2TB 120 fps
ARRIRAW 1TB 55 fps
Apple ProRes 100 fps*

UHD 3840 x 2160
Apple ProRes 120 fps*

2K 2048 x 1152
Apple ProRes 120 fps

HD 1920 x 1080
Apple ProRes 120 fps

4K 2:1



Photosites
4096 x 2048

Dimensions
24.88 x 12.44 mm
0.980 x 0.490 inch

Image Circle
27.82 mm
1.095 inch

Designed for shooting with all spherical Super 35 and large-format lenses for a target deliverable of 2:1, fulfilling 4K mandates.

4K 4096 x 2048

ARRIRAW 2TB 120 fps
ARRIRAW 1TB 65 fps
Apple ProRes 120 fps*

3.8K 16:9



Photosites
3840 x 2160

Dimensions
23.33 x 13.12 mm
0.918 x 0.516 inch

Image Circle
26.77 mm
1.054 inch

Achieves the lowest possible data rate in uncompressed ARRIRAW while fulfilling UHD mandates.

4K 3840 x 2160

ARRIRAW 2TB 120 fps
ARRIRAW 1TB 65 fps

3.3K 6:5



Photosites
3328 x 2790

Dimensions
20.22 x 16.95 mm
0.796 x 0.693 inch

Image Circle
26.38 mm
1.039 inch

For projects using 2x anamorphic Super 35 lenses for a target deliverable of 2.39:1. Negates necessity of cropping 4:3 footage and fulfills 4K mandates.

3.3K 3328 x 2790

ARRIRAW 2TB 100 fps
ARRIRAW 1TB 55 fps
Apple ProRes 75 fps

4K 2.39:1 Ana 2x
4096 x 1716
Apple ProRes 90 fps

3K 1:1



Photosites
3072 x 3072

Dimensions
18.66 x 18.66 mm
0.737 x 0.737 inch

Image Circle
26.39 mm
1.041 inch

Designed for shooting with 2x anamorphic lenses for a target deliverable of 2:1, fulfilling 4K mandates.

3K 3072 x 3072

ARRIRAW 2TB 100 fps
ARRIRAW 1TB 55 fps
Apple ProRes 90 fps

3.8K 2:1 Ana 2x
3840 x 2160
Apple ProRes 100 fps

2.7K 8:9



Photosites
2743 x 3086

Dimensions
16.66 x 18.75 mm
0.656 x 0.738 inch

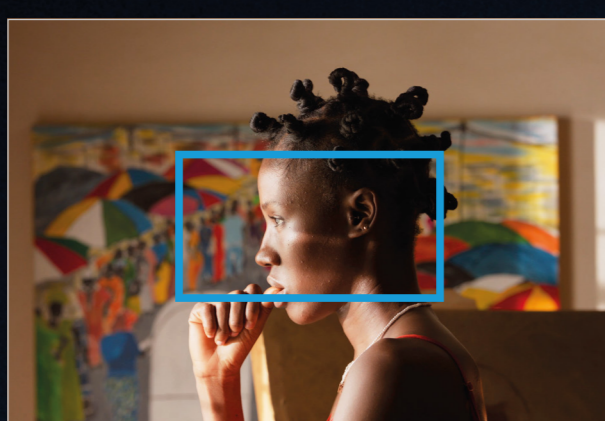
Image Circle
25.08 mm
0.988 inch

For projects shooting with 2x anamorphic lenses for a target deliverable of 16:9, fulfilling 4K mandates. De-squeeze applied in-camera.

UHD 16:9 Ana 2x

3840 x 2160
Apple ProRes 100 fps

2K 16:9 S16



Photosites
2048 x 1152

Dimensions
12.44 x 7.00 mm
0.490 x 0.276 inch

Image Circle
14.27 mm
0.561 inch

Mimics the traditional Super 16 format for use with Super 16 lenses or as an in-camera center crop.

2K 2048 x 1152

Apple ProRes 120 fps



More about ALEXA 35



Frame Line & Lens Illumination Tool



Data Rate Calculator

All data based on ALEXA 35 Software Update Package 1.1. All data subject to change without further notice. Unless otherwise noted, all Apple ProRes flavors (422 HQ, 4444, 4444 XQ) have the same maximum frame rate on the ALEXA 35 regardless of whether a CODEX Compact Drive 1TB or 2TB is used. All formats labelled as "Ana 2x" record an image that has been de-squeezed in camera and does not require further cropping in post.

*This format has a slightly lower maximum frame rate in Apple ProRes 4444 XQ when using the CODEX Compact Drive 1TB, please see the online Formats and Data Rate Calculator for full specification.

ARRI