



# Alexa Image Quality

## Splash Image:



### What Resolution is the Alexa Camera?

ALEXA has a 3.5K CMOS Imager yielding either a 2K or 1920 X 1080 HD image. Because of ALEXA's use of the continuously improving ARRI Imaging Technology (AIT), images are sharper and cleaner than other cameras that claim 4K+ resolution. Click here to learn more about [Resolution and Sharpness](#).

### What is the Speed of the Alexa Camera?

Native sensitivity of the ALEXA is ISO 800 but the camera can be rated from ISO 200-ISO 1600 while maintaining excellent signal to noise performance.

### How does the dynamic range of the Alexa compare to film and other digital cameras?

ALEXA has a measured dynamic range of 13.5 stops, giving it the widest range of any digital camera in the industry. Modern color negative film is 14+ stops.

To learn how we measure dynamic range and see comparison images between the ALEXA and a competitor's camera, click [here](#).

### Why is the Alexa unique in its support for anamorphic lenses?

The ALEXA OV Plus has a 4:3 aspect ratio sensor making it ideal for 2:1 anamorphic lenses common in anamorphic film production.

## How does ARRIRAW compare to REDRAW?

ARRIRAW is uncompressed data from the sensor. Red employs proprietary wavelet compression of the data from the sensor called REDCODE for their "RAW" signal.



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