

COMPARISON OF MODERN FILM FORMATS

2x

Hawk Anamorphic: 2x SQUEEZE Digital & Analog

The Hawk 2x Anamorphics support a wide range of cameras and release formats. The following table gives an overview of the main differences between anamorphic and spherical shooting.



Format	Used Image Area	Advantages	Disadvantages	Camera Systems
HAWK [®] Anamorphic 2.40 Scope 2x	409 mm ²	Highest image quality, elegant framing, represents high production value, high speed film stock applicable, less depth of field, daily rushes show final quality of release prints, largest sensor/negative area, all dupe negatives and prints with low cost contact printing, ultimate format for theatrical release, ideal format for HDTV release.	Limited availability of required anamorphic lenses and adapted camera equipment.	<ul style="list-style-type: none"> • Arri Alexa 4:3 • Sony F55*/F65* • Red Epic/Scarlet*/Dragon*/Weapon* • Canon C500 PL* • Canon 1D/7D PL* • 4-perf film
Super 35 2.40 spherical	245 mm ²	Standard lenses and cameras widely available.	Lower image quality, flat look, high speed film stock not applicable, shorter lenses, smallest sensor/negative area of all 35mm formats, expensive DI process required.	<ul style="list-style-type: none"> • Arri Alexa* 16:9 • Arri Amira • Sony F55*/F65* • Red Epic/Scarlet*/Dragon/Weapon • Canon C500 PL* • Canon 1D/7D PL* • 3-perf film*

* Image area cropped



One basic difference between spherical lenses and anamorphic lens systems is the way in which images are captured. Anamorphic lens designs use two focal lengths in one system: a longer focal length for the vertical part of the image and a shorter one for the horizontal part. This leads to pictures with more depth and more three dimensional character. It is irrelevant if a film is seen on a large screen in a theater or on your smart phone. This character is preserved over all generations. Today, there are no significant differences in general performance between anamorphic lenses and spherical ones. This applies all the more because the true anamorphic format is supported by a much larger sensor area (or a larger negative area) and therefore a lower magnification factor.

Whether you use film or digital formats, Hawk Anamorphic Lenses are the right choice. The image quality will fascinate audiences, the production value will improve, and the artistic worth will be protected for generations.

HAWK[®]

Made in Germany by Vantage Film GmbH

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