

HAWK V-LITE ANAMORPHICS – 1.3x SQUEEZE

Vantage introduces a new motion picture film format

As a part of its steady commitment to the film industry, Vantage developed a new squeezing ratio for its range of Hawk Anamorphics: Hawk Anamorphic **1.3x SQUEEZE**.

Eleven primes are available:

Hawk V-Lite 1.3x 20 mm/T2.2
Hawk V-Lite 1.3x 24 mm/T2.2
Hawk V-Lite 1.3x 28 mm/T2.2
Hawk V-Lite 1.3x 35 mm/T2.2
Hawk V-Lite 1.3x 45 mm/T2.2
Hawk V-Lite 1.3x 55 mm/T2.2
Hawk V-Lite 1.3x 55 mm/T2.2 Macro
Hawk V-Lite 1.3x 65 mm/T2.2
Hawk V-Lite 1.3x 80 mm/T2.2
Hawk V-Lite 1.3x 110 mm/T3
Hawk V-Lite 1.3x 140 mm/T3.5

Additional lenses will follow.

The advent of digital cameras, the use of digital post-production and DI processes, and newer film formats, such as 3 perf have created a growing demand for cutting edge lens technology. The Hawk V-Lite 1.3x Anamorphic lenses give filmmakers the opportunity to use true anamorphic format with newer film and sensors and can be used on all modern digital and film cameras.

The unique squeezing factor of 1.30x makes it possible to use nearly the entire sensor area of a 16:9 digital camera and achieve the popular widescreen 1:2.40 release format. The new Hawks compress the wider image to the size of the smaller sensor. No top/bottom cropping of the sensor area is required. This means maximum image quality combined with a very pleasant emotional effect.

Furthermore, the new lenses allow shooting with 4:3 negative/sensor area and stretch it to 1:78 for 16:9 HDTV release. With an Arri Alexa Studio or 4-perf film, the full 4:3 sensor/negative area can be used for 16:9 filming.



No matter which format you ultimately decide on, the new Hawk V-Lite 1.3x Anamorphics use 33% more sensor/negative compared to standard spherical lenses. The new lenses are designed from scratch and set a high benchmark for all other existing lens systems.

Along with the new Hawk lenses, Vantage developed new anamorphic viewfinders for all Arricam™ and Arriflex™ cameras. Also, our PSU HD video assist systems have been upgraded to desqueeze the 1.3x images.

The lenses can be used with following cameras/formats:

- Arri Alexa 16:9/Amira
- Sony F55/F65
- Red Epic/Scarlet
- Canon C500/1D/7D PL
- 3-perf film
- 16 mm film

1:1.85
nearly the entire
sensor/negative area

1.3x

1:2.40

- Arri Alexa 4:3
- Canon C500/1D/7D PL
- Pillar Box
- 4-perf film

4:3
full sensor
1:1.33
full frame

1.3x

1:1.78 16:9 Broad-
cast release
1:1.85 Theatrical
release



The V-Lite 1.3x 28 mm/T2.2 covers a horizontal angle of view of 60.8°. The use of cylindrical lenses with an extremely small radius enabled us to minimize the aerial distance between the single elements and pack them tightly into a small short housing. We reduced the size of the new Hawks to an ultra compact shape – smaller than most spherical lenses on the market right now. Focus and iris rings are at identical positions on all V-Lite lenses. The set can be filtered using clip-on matte boxes with up to three 4x5.65" filters. A specially designed set of multicoated Vantage 4x5.65" Slide-in diopters extends the close focus range to high performance macro work.