

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 has developed a new squeezing ratio for its range of Hawk Anamorphics: Hawk Anamorphic **1.3x SQUEEZE**.

Six new primes are available:

- Hawk V-Lite 1.3x 28mm/T2.2**
- Hawk V-Lite 1.3x 35mm/T2.2**
- Hawk V-Lite 1.3x 45mm/T2.2**
- Hawk V-Lite 1.3x 55mm/T2.2**
- Hawk V-Lite 1.3x 80mm/T2.2**
- Hawk V-Lite 1.3x 110mm/T3**

Additional lenses will follow.

Various new trends have created a growing demand for cutting edge lens technology: Among them belong new film formats like 3 perf, newly developed digital cameras with single chip sensor technology, and the increasing use of digital post-production and DI processes.

More and more cinematographers would like to apply the true anamorphic format to these recently established film or sensor formats.

Hawk V-Lite 1.3x lenses can be used on all modern digital and film cameras. The unique squeezing factor of 1.3x makes it possible to use the entire sensor area of a 16:9 digital camera (e.g. Sony® F35) 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 Arriflex D21 the full sensor 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 negative/sensor compared to standard spherical lenses. The new lenses are designed from scratch and set a high and challenging 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 video assist systems have been upgraded to desqueeze the 1.3x images.

The lenses can be used with following cameras/formats:

<ul style="list-style-type: none"> • 3-perf film • Sony F35 • Red One 	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">1:1.78</div> <div style="font-size: 2em; margin: 0 10px;">➔</div> <div style="border: 1px solid black; padding: 5px; margin-left: 10px;">1:2.40</div> </div>
<ul style="list-style-type: none"> • 4-perf film • Arriflex D21 	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> 1:1.33 <small>(full frame)</small> 4:3 <small>(full sensor)</small> </div> <div style="font-size: 2em; margin: 0 10px;">➔</div> <div style="border: 1px solid black; padding: 5px; margin-left: 10px;">1:1.78</div> </div>



The V-Lite 1.3x 28mm/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.

