

V-Lite 1.3x SQUEEZE



Hawk Anamorphic® 1.3x - Technical Data

Lens	Focal Length	Stop	CfD		Angle of View		Weight		Front Diameter	Overall Length	Min. Filter Size
			m	ft	horizontal	vertical	kg	lbs			

Hawk® V-Lite Anamorphics 1.3x SQUEEZE

V-Lite 20	20mm	T 2.2 - T 16	0.6	2'	80.5°	34.3°	2.6	5.7	142mm	145mm	6.6x6.6"
V-Lite 24	24mm	T 2.2 - T 16	0.6	2'	70.2°	29.9°	2.5	5.5	120mm	145mm	4x5.65"
V-Lite 28	28mm	T 2.2 - T 16	0.8	2'7"	60.8°	25.9°	2.3	5	120mm	137mm	4x5.65"
V-Lite 35	35mm	T 2.2 - T 16	1	3'3"	48.5°	20.7°	2.9	6.4	120mm	170mm	4x5.65"
V-Lite 45	45mm	T 2.2 - T 16	1	3'3"	39.6°	16.9°	1.9	4.2	104mm	154mm	4x5.65"
V-Lite 55	55mm	T 2.2 - T 16	1	3'3"	34.9°	14.9°	2	4.4	104mm	156mm	4x5.65"
V-Lite 65	65mm	T 2.2 - T 16	1	3'3"	29.2°	12.4°	2	4.4	104mm	160mm	4x5.65"
V-Lite 80	80mm	T 2.2 - T 16	1	3'3"	24°	10.2°	2.3	5	104mm	185mm	4x5.65"
V-Lite 110	110mm	T 3 - T 16	1	3'3"	17.4°	7.4°	2.6	5.7	104mm	200mm	4x5.65"
V-Lite 140	140mm	T 3.5 - T 16	1	3'3"	12.2°	5.2°	2.7	5.9	104mm	220mm	4x5.65"

Technical specifications are subject to change without notice – additional lenses will follow

Hawk V-Lite 1.3x Lenses 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 (e.g. Arri Alexa, Sony F65) and to achieve at the same time the popular 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 is required. That means: Maximum image quality will be achieved.

The new set of lenses also supports recording on the entire 4:3 negative/sensor area. The format will be stretched to 1:78 for 16:9 HDTV release. Thus, with an Arri Alexa Studio or 4-perf film the full 4:3 sensor/negative can be used for 16:9 filming.

The lenses can be used with the following cameras/formats

Camera System	Capturing Format/Release Format
• 16mm film • 3-perf film • Arri Alexa • Sony F65 • Red Epic/Scarlet • Canon C300/1D/7D PL	1:1.85 nearly the entire sensor/negative area 1.3x 1:2.40
• 4-perf film • Arri Alexa Studio • Canon C300/1D/7D PL • Pillar Box	4:3 full sensor 1:1.33 full frame 1.3x 1:1.78 16:9 Broad- cast release 1:1.85 Theatrical release



Hawk Anamorphic® - recommended Panning Speeds

For static scenes - 180° shutter & various degrees of sweep

Example: A 30° pan with the 110 mm Hawk® V-Lite lens 1.3x SQUEEZE should take 18 seconds

Focal Length of Hawk® V-Lite Lens 1.3x SQUEEZE								
			20 - 24mm	28mm	35 - 45mm	55 - 65mm	80mm	110 -140mm
Panning Angle	30°	Panning Speed in seconds	2	3	5	6	12	18
	60°		4	6	10	12	24	36
	90°		6	9	15	18	36	54
	120°		8	12	20	24	48	72
	150°		10	15	25	30	60	90
	180°		12	18	30	36	72	108