V-Lite/V-Plus 1.3x

HAWK®

Hawk Anamorphic® 1.3x SQUEEZE - 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	20 mm	T 2.2 - T 16	0.6	2'	80.5°	34.3°	2.5	5.5	142 mm	145 mm	6.6x6.6"
V-Lite 24	24 mm	T 2.2 - T 16	0.6	2'	70.2°	29.9°	2.5	5.5	120 mm	145 mm	4x5.65"
V-Lite 28	28 mm	T 2.2 - T 16	0.8	2'7"	60.8°	25.9°	2.3	5	120 mm	137 mm	4x5.65"
V-Lite 35	35 mm	T 2.2 - T 16	1	3'3"	48.5°	20.7°	2.9	6.4	120 mm	170 mm	4x5.65"
V-Lite 45	45 mm	T 2.2 - T 16	1	3'3"	39.6°	16.9°	1.9	4.2	104 mm	154 mm	4x5.65"
V-Lite 55	55 mm	T 2.2 - T 16	1	3'3"	34.9°	14.9°	2	4.4	104 mm	156 mm	4x5.65"
V-Lite 65	65 mm	T 2.2 - T 16	1	3'3"	29.2°	12.4°	2	4.4	104 mm	160 mm	4x5.65"
V-Lite 80	80 mm	T 2.2 - T 16	1	3'3"	24°	10.2°	2.3	5	104 mm	185 mm	4x5.65"
V-Lite 110	110 mm	T 3 - T 16	1	3'3"	17.4°	7.4°	2.6	5.7	104 mm	200 mm	4x5.65"
V-Lite 140	140 mm	T 3.5 - T 16	1	3'3"	12.2°	5.2°	2.7	5.9	104 mm	220 mm	4x5.65"
Hawk® V-Plus Anamorphics 1.3x SQUEEZE											
V-Plus 2:1	30-60 mm	T 2.8 - T 16	0.6	2'	53.5°- 31°	22.8°-13.2°	5.6	12.3	142 mm	310 mm	6.6x6.6"
V-Plus 2:1	45-90 mm	T 2.8 - T 16	0.75	2'6"	39°- 21°	16.6°- 9°	5.3	11.7	125 mm	280 mm	4x5.65"
V-Plus 2:1	80-180 mm	T 2.8 - T 16	1	3'3"	23.5°- 9.8°	10°- 4.2°	7.6	16.8	125 mm	430 mm	4x5.65"

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

Hawk V-Lite 1.3x and Hawk V-Plus 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) to achieve the popular 1:2.40 release format. The 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
• 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 Broadcast release / **1:1.85** Theatrical release

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