V-Lite 1.3x SQUEEZE

HAWK® Anamorphic Lenses

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 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 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“

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 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 1:2.40 release format. The new Hawks compressing the wider image to the size of the smaller sensor. No top/bottom cropping of the sensor required – maximum image quality will be achieved.

Furthermore the new set of lenses supports recording on the entire 4:3 negative/sensor area. The format will be stretched to 1:78 for 16:9 HDTV release. With an Arriflex D21 the full sensor can be used for 16:9 filming.

The lenses can be used with following cameras/formats

Camera System	Capturing Format	Release Format
3-perf film	1:1.78 / 16:9	1:2.40
Sony F35 or Red One	1:1.78 / 16:9	1:2.40
4-perf film	1:1.33 (full frame)	1:1.78 / 16:9
Arriflex D21	1:1.33 (full sensor)	1:1.78 / 16:9

Hawk Anamorphic® - recommended Panning Speeds

For static scenes - 180° shutter & various degrees of sweep
Example: 30° pan with 110 mm Hawk® V-Lite lens 1.3x SQUEEZE should take 12 seconds

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

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