Blazar Lens: Anamorphic Aspect Ratio Conversion Cheat Sheet - Blazar Anamorphic

Standard (Horizontal Sensor, Horizontal Anamorphic

Sensor: 16:9 (1.78:1)

Squeeze Factor	Final Ratio	Crop for 2.39:1	Crop for 16:9
1.33x	2.37:1	~1% Sides	~25% Sides
1.5x	2.67:1	~10% Sides	~33% Sides
1.8x	3.20:1	~25% Sides	~44% Sides
2.0x	3.56:1	~33% Sides	~50% Sides

Sensor: 17:9 (1.89:1)

Squeeze Factor	Final Ratio	Crop for 2.39:1	Crop for 16:9
1.33x	2.51:1	~5% Sides	~29% Sides
1.5x	2.83:1	~15% Sides	~37% Sides
1.8x	3.40:1	~30% Sides	~47% Sides
2.0x	3.78:1	~37% Sides	~53% Sides

Sensor: 3:2 (1.5:1)

Squeeze Factor	Final Ratio	Crop for 2.39:1	Crop for 16:9
1.33x	2.00:1	~16% Top/ Bottom	~11% Sides
1.5x	2.25:1	~6% Top / Bottom	~20% Sides
1.8x	2.70:1	~11% Sides	~34% Sides
2.0x	3.00:1	~20% Sides	~44% Sides

Sensor: 4:3 (1.33:1)

Squeeze Factor	Final Ratio	Crop for 2.39:1	Crop for 16:9
1.33x	1.77:1	~26% Top/ Bottom	0%
1.5x	2.00:1	~16% Top/ Bottom	~11% Sides
1.8x	2.39:1	0%	~25% Sides
2.0x	2.66:1	~10% Sides	~33% Sides

Sensor: 6:5 (1.2:1)

Squeeze Factor	Final Ratio	Crop for 2.39:1	Crop for 16:9
1.33x	1.60:1	~33% Vertical	~25% Top/ Bottom
1.5x	1.80:1	~26% Vertical	~1% Sides
1.8x	2.16:1	~10% Vertical	~18% Sides
2.0x	2.40:1	~0.4% Horizontal	~26% Sides

Vertiscope (Vertical Sensor, Horizontal Anamorphic)

Sensor: 9:16 (0.5625:1) Vertical Standard

Squeeze Factor	Final Ratio	Crop to 9:16	Crop to 5:4	Crop to 1:1	Crop to 16:9
1.33x	0.75:1	~25.0% Sides	~40.0% Top/Bottom	~25.0% Top/Bottom	~57.8% Top/Bottom
1.5x	0.84:1	~33.0% Sides	~32.8% Top/Bottom	~16.0% Top/Bottom	~52.8% Top/Bottom
1.8x	1.01:1	~44.3% Sides	~19.2% Top/Bottom	~1.0% Sides	~43.2% Top/Bottom
2.0x	1.12:1	~49.8% Sides	~10.4% Top/Bottom	~10.7% Sides	~37.0% Top/Bottom

Sensor: 2:3 (0.6667:1) Vertical Open-Gate

Squeeze Factor	Final Ratio	Crop to 9:16	Crop to 5:4	Crop to 1:1	Crop to 16:9
1.33x	0.89:1	~36.8% Sides	~28.8% Top/Bottom	~11.0% Top/Bottom	~49.9% Top/Bottom
1.5x	1.00:1	~43.8% Sides	~20.0% Top/Bottom	~0.0% Top/Bottom	~43.8% Top/Bottom
1.8x	1.20:1	~53.1% Sides	~4.0% Top/Bottom	~16.7% Sides	~32.5% Top/Bottom
2.0x	1.33:1	~57.7% Sides	~6.0% Sides	~24.8% Sides	~25.2% Top/Bottom

Vertical Anamorphic (Horizontal Sensor, Vertical Anamorphic)

Sensor: 16:9 (1.78:1)

Squeeze Factor	Final Ratio	Crop to 9:16	Crop to 5:4	Crop to 1:1	Crop to 16:9	Actual Squeeze Factor
1.33x	1.34:1	~58.0% Sides	~6.6% Sides	~25.3% Sides	~24.7% Top/Bottom	0.75 (0.751879699)
1.5x	1.19	~52.6% Sides	~5.1% Top/Bottom	~15.7% Sides	~33.2% Top/Bottom	0.67 (0.666666...)
1.8x	0.99:1	~43.1% Sides	~20.9% Top/Bottom	~1.1% Top/Bottom	~44.4% Top/Bottom	0.56 (0.555555...)
2.0x	0.89:1	~36.8% Sides	~28.8% Top/Bottom	~11.0% Top/Bottom	~49.9% Top/Bottom	0.5

Sensor: 3:2 (1.5:1)

Squeeze Factor	Final Ratio	Crop to 9:16	Crop to 5:4	Crop to 1:1	Crop to 16:9	Actual Squeeze Factor
1.33x	1.13:1	~50.1% Sides	~9.8% Top/Bottom	~11.3% Sides	~36.6% Top/Bottom	0.75 (0.751879699)
1.5x	1.00:1	~43.8% Sides	~20.0% Top/Bottom	~0.0% Top/Bottom	~43.8% Top/Bottom	0.67 (0.666666...)
1.8x	0.83:1	~32.5% Sides	~33.3% Top/Bottom	~16.7% Top/Bottom	~53.1% Top/Bottom	0.56 (0.555555...)
2.0x	0.75:1	~25.0% Sides	~40.0% Top/Bottom	~25.0% Top/Bottom	~57.8% Top/Bottom	0.5