

Which Zoom Lens Covers Which Sensor Size?

Updated 11/1/25

This chart shows lens coverage for specific camera sensor formats.
It only shows lenses which completely cover the sensor with no vignetting. Illumination falloff is acceptable if it is part of the lens design.
If your chosen camera's shooting format is not shown, find and use the image circle Ø that is closest to your format: <https://www.omnicalculator.com/math/diagonal-of-rectangle>

Angenieux Ultra 12x FF/VV 36 - 435mm T4.2	cf 5'	28.1lbs	162mm
Angenieux EZ-3 FF/VV 68 - 250mm T3.5	cf 4'	5.7lbs	114mm
Angenieux EZ-2 FF/VV 22 - 60mm T3	cf 2'	4.6 lbs	114mm
Angenieux EZ-1 FF/VV 45 - 135mm T3	cf 2'	4.5 lbs	114mm
Arri Signature 65-300mm T2.8	cf6'	19.9lbs	156mm
Arri Signature 45-135mm T2.8	cf 3' 4"	8.3lbs	114mm
Arri Signature 16-32mm T2.8	cf 1' 6"	7.5lbs	156mm
Canon /Century 150 -600mm T6.7	cf 10'	18 lbs	125mm
Cooke Varotal FF/i 30-95mm T2.9	cf 2' 8"	8.8lbs	114mm
Cooke Varotal FF/i 85-215mm T2.9	cf 5'	8.8lbs	114mm
Fujinon Premista 80-250mm T2.9	cf 5'	8.4 lbs	114mm
Fujinon Premista 28-100mm T2.9	cf 2' 7"	8.4 lbs	114mm
Fujinon Premista 19-45mm T2.9	cf 2'	7.3 lbs	114mm
Voigtlander Zoomar 36 -82mm T3.1	cf 3'	8.3lbs	136mm
Zeiss CZ 15-30mm T2.9	cf 1' 10"	5.7 lbs	114mm
Zeiss CZ 28-70mm T2.9	cf 2' 8"	5.5 lbs	95mm
Zeiss CZ 70-200mm T2.9	cf 5'	6.2 lbs	95mm
Arri Mini LF Open Gate	36.70mm x 25.54mm (44.71 mm Ø)	4448 x 3096 Pixels	
Angenieux Ultra 12x FF/VV 36 - 435mm T4.2	cf 5'	28.1lbs	162mm
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Zeiss CZ 28-70mm T2.9	cf 2' 8"	5.5 lbs	95mm
Zeiss CZ 70-200mm T2.9	cf 5'	6.2 lbs	95mm
Red V-Raptor 8K 16:9	38.40mm x 21.60mm (44.10 mm Ø)	7680 x 4320 Pixels	
Red Monstro 8KHD	38.40mm x 21.60mm (44.10 mm Ø)	7680 x 4320 Pixels	
Angenieux Ultra 12x FF/VV 36 - 435mm T4.2	cf 5'	28.1lbs	162mm
Angenieux EZ-3 FF/VV 68 - 250mm T3.5	cf 4'	5.7lbs	114mm
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Zeiss CZ 28-70mm T2.9	cf 2' 8"	5.5 lbs	95mm
Zeiss CZ 70-200mm T2.9	cf 5'	6.2 lbs	95mm
Red V-Raptor 7.5K	38.40mm x 20.40mm (43.50 mm Ø)	7680 x 4080 Pixels	
Sony Venice 2.8K 3:2	35.90mm x 24.00mm (43.18 mm Ø)	8640 x 5760 Pixels	
Sony Venice 6K 3:2	36.20mm x 24.10mm (43.50 mm Ø)	6048 x 4032 Pixels	
Canon C700, C500 FF 17:9	38.10mm x 20.10mm (43.10 mm Ø)	5592 x 3140 Pixels	
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Zeiss CZ 28-70mm T2.9	cf 2' 8"	5.5 lbs	95mm
Zeiss CZ 70-200mm T2.9	cf 5'	6.2 lbs	95mm
Red Monstro 7.5KHD	36.48mm x 20.52mm (41.86 mm Ø)	7296 x 4104 Pixels	
Nikon Zr 6K FF/FX	35.90mm x 20.20mm (41.23 mm Ø)	6048 x 3402 Pixels	
Sony Burano FF 8.6K 16:9	35.90mm x 20.20mm (41.19 mm Ø)	8632 x 4856 Pixels	
Arri Mini LF 4.3K 16:9 - UHD	35.64mm x 20.05mm (40.89 mm Ø)	4320 x 2430 Pixels	
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Zeiss CZ 70-200mm T2.9	cf 5'	6.2 lbs	95mm
Sony Venice 2.8.6K 17:9	35.9mm x 19.00mm (40.62 mm Ø)	8640 x 4556 Pixels	
Sony Burano FF 8.6K 17:9	35.90mm x 18.90mm (40.57 mm Ø)	8632 x 4552 Pixels	
Sony Venice FF 6K 17:9	35.90mm x 19.00mm (40.57 mm Ø)	6048 x 3190 Pixels	
Red V-Raptor 7K 17:9	35.84mm x 18.90mm (40.52 mm Ø)	7168 x 3780 Pixels	
Red Monstro 7K	35.80mm x 18.90mm (40.48 mm Ø)	7168 x 3780 Pixels	
Sony FX9 FF 4K 17:9	35.70mm x 18.80mm (40.35 mm Ø)	6008 x 2160 Pixels	
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Zeiss CZ 28-70mm T2.9	cf 2' 8"	5.5 lbs	95mm
Zeiss CZ 70-200mm T2.9	cf 5'	6.2 lbs	95mm
Sony Venice 2.8.2K 17:9	34.1 mm x 18.00 mm (38.56mm Ø)	8192 x 4320 Pixels	
Sony Burano FFc 6K 16:9	33.6 mm x 18.90mm (38.55mm Ø)	6052 x 3404 Pixels	
Sony Venice 5.7K 16:9	33.7 mm x 19.00 mm (38.69mm Ø)	5674 x 3192 Pixels	
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