

Which Zoom Lens Covers Which Sensor Size?

Updated 6/6/25

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>

Red Monstro 8K			40.96mm x 21.60mm (46.31 mm Ø)			8192 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			
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/1 30-95mm T2.9			cf 2'8"	8.8lbs	114mm			
Cooke Varotal FF/1 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	Crops at 15mm. Clears at 16mm.		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			
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/1 30-95mm T2.9			cf 2'8"	8.8lbs	114mm			
Cooke Varotal FF/1 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	Crops at 15mm. Clears at 16mm.		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			
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			
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/1 30-95mm T2.9			cf 2'8"	8.8lbs	114mm			
Cooke Varotal FF/1 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			
Red Monstro 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		
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/1 30-95mm T2.9			cf 2'8"	8.8lbs	114mm			
Cooke Varotal FF/1 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			
Red Monstro 7.5KHD			36.48mm x 20.52mm (41.86 mm Ø)			7296 x 4104 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		
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/1 30-95mm T2.9			cf 2'8"	8.8lbs	114mm			
Cooke Varotal FF/1 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			
Sony Venice 2.8K 17:9			34.1 mm x 18.00 mm (38.56mm Ø)			8192 x 4320 Pixels		
Sony Burano FFc 8.6K 16:9			33.6 mm x 18.90mm (38.55mm Ø)			6052 x 3404 Pixels		
Arri Mini LF 4.3K 16:9 - UHD			33.7 mm x 19.00 mm (38.69mm Ø)			5674 x 3192 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			
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/1 30-95mm T2.9			cf 2'8"	8.8lbs	114mm			
Cooke Varotal FF/1 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			
Sony Venice 2.7.6K 16:9			32.00mm x 18.00 mm (36.72 mm Ø)			7680 x 4320 Pixels		
Sony Burano FFc 3.8K 16:9			32.00 mm x 18.00mm (36.72mm Ø)			3840 x 4552 Pixels		
Arri Mini LF 3.8K UHD 16:9			31.68mm x 17.82mm (36.35mm Ø)			3840 x 2160 Pixels		
Red Gemini 5K 1.7:1			30.72mm x 18.00mm (35.61mm Ø)			5120 x 3000 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			
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			
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Cooke Varotal FF/1 85-215mm T2.9			cf 5'	8.8lbs	114mm			
Fujinon Premista 80-250mm T2.9			cf 5'	8.4 lbs	114mm			
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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			
Sony Venice 2.7.6K 16:9			32.00mm x 18.00 mm (36.72 mm Ø)			7680 x 4320 Pixels		
Sony Burano FFc 3.8K 16:9			32.00 mm x 18.00mm (36.72mm Ø)			3840 x 2160 Pixels		