

Which Zoom Lens Cover Which Sensor Size? Updated 5/6/21

This chart is designed to show which lenses cover which 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 sensor is not shown, find the table with 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
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
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
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
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

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
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
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
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
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

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
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
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
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
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

Red Monstro 7.5K	38.40mm x 20.40mm (43.50 mm Ø)			7680 x 4080 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
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
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
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
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

Red Monstro 7.5KHD	36.48mm x 20.52mm (41.86 mm Ø)			7296 x 4104 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
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
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
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
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

Red Monstro 7K	35.80mm x 18.90mm (40.50 mm Ø)			7168 x 3780 Pixels
Sony Venice FF 6K 17:9	35.90mm x 19.00mm (40.57 mm Ø)			6048 x 3190 Pixels
Sony FX9 FF 4K 17:9	35.70mm x 18.80mm (40.35 mm Ø)			3840 x 2160 Pixels
Angenieux Ultra 12x FF/VV 36 - 435mm T4.2		cf 5'	28.1lbs	162mm
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
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
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
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

Sony Venice 5.7K 16:9	33.7 mm x 18.9 mm (38.64 mm Ø)			5670 x 3190 Pixels
Angenieux Ultra 12x FF/VV 36 - 435mm T4.2		cf 5'	28.1lbs	162mm
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
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
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
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

Arri Mini LF 4K 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-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
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 Cabrio 85-300mm T2.9		cf 4'	6.8 lbs	114mm
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
Sigma Cine 50-100mm T2		cf 3' 2"	4 lbs	95mm
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

Red Monstro 6K	30.70mm x 16.20mm (34.70mm Ø)			6144 x 3240 Pixels
Red Dragon 6K	30.70mm x 15.80mm (34.50mm Ø)			6144 x 3160 Pixels
Red Helium 8K	29.90mm x 15.77mm (33.80mm Ø)			8192 x 4320 Pixels
Sony FX9 FF Crop 5K 17:9	29.73mm x 15.66mm (33.55mm Ø)			5008 x 2640 Pixels
Arri Mini Open Gate	28.17mm x 18.13mm (33.50mm Ø)			3414 x 2198 Pixels

Angenieux Ultra 12x U35 26 - 320mm T3.1		cf 5'	28.1lbs	162mm
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
Angenieux Optimo 45-120mm T2.8		cf 3' 1"	4.3 lbs	114mm
Canon 30-105mm T2.8		cf 1' 11"	4.8 lbs	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 Cabrio 85-300mm T2.9		cf 4'	6.8 lbs	114mm
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
Sigma Cine 50-100mm T2		cf 3' 2"	4 lbs	95mm
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

Red Monstro 6KHD	28.80mm x 16.20mm (33.00mm Ø)			5760 x 3240 Pixels
Canon C700 S35	28.90mm x 15.20mm (32.60mm Ø)			4096 x 2160 Pixels
Angenieux Ultra 12x U35 26 - 320mm T3.1		cf 5'	28.1lbs	162mm
Angenieux EZ-2 FF/VV 22 - 60mm T3		cf 2'	4.6 lbs	114mm
Angenieux EZ1 S35 30-90mm T2		cf 2'	4.5 lbs	114mm
Angenieux Optimo 15-40mm T2.6	(Crops at 15mm. Clears at 15.5mm.)	cf 2'	4.2 lbs	114mm
Angenieux Optimo 45-120mm T2.8		cf 3' 1"	4.3 lbs	114mm
Angenieux Optimo DP 30-80mm T2.8		cf 2'	4.2 lbs	114mm
Canon 17-120mm T2.95		cf 2' 9"	6.4 lbs	114mm
Canon 15.5 - 47mm T2.8		cf 1' 7"	4.8 lbs	114mm
Canon 30-105mm T2.8		cf 1' 11"	4.8 lbs	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 Cabrio 85-300mm T2.9		cf 4'	6.8 lbs	114mm
Fujinon Cabrio 19-90mm T2.9		cf 2' 10"	6.1 lbs	114mm
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
Sigma Cine 50-100mm T2		cf 3' 2"	4 lbs	95mm
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm

Red Komodo 6K	27.03mm x 14.25mm (30.55mm Ø)			6144 x 3240 Pixels
Arri Mini LF 3.2K S35 16:9	26.40mm x 14.85mm (29.99mm Ø)			3200 x 1800 Pixels
Arri Mini 4K UHD	26.40mm x 14.85mm (29.99mm Ø)			3840 x 2160 Pixels
Phantom Flex 4K UHD	25.90mm x 14.60mm (29.70mm Ø)			3840 x 2160 Pixels
Canon C300 MkIII 4K	26.20mm x 13.80mm (29.61mm Ø)			4096 x 2160 Pixels
Canon C70 4K	26.20mm x 13.80mm (29.61mm Ø)			4096 x 2160 Pixels

Angenieux Ultra 12x S35 24 - 290mm T2.8		cf 5'	28.1lbs	162mm
Angenieux EZ-2 FF/VV 22 - 60mm T3		cf 2'	4.6 lbs	114mm
Angenieux EZ1 S35 30-90mm T2		cf 2'	4.5 lbs	114mm
Angenieux Optimo Style 25-250mm T3.5		cf 4'	16 lbs	136mm
Angenieux Optimo 15-40mm T2.6		cf 2'	4.2 lbs	114mm
Angenieux Optimo 45-120mm T2.8		cf 3' 1"	4.3 lbs	114mm
Angenieux Optimo DP 30-80mm T2.8		cf 2'	4.2 lbs	114mm
Canon 30-300mm T2.95		cf 5'	12.8 lbs	136mm
Canon 17-120mm T2.95		cf 2' 9"	6.4 lbs	114mm
Canon 15.5 - 47mm T2.8		cf 1' 7"	4.8 lbs	114mm
Canon 30-105mm T2.8		cf 1' 11"	4.8 lbs	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 Cabrio 85-300mm T2.9		cf 4'	6.8 lbs	114mm
Fujinon Cabrio 19-90mm T2.9		cf 2' 10"	6.1 lbs	114mm
Arri Fujinon Alura 18-100mm T2.6		cf 2' 4"	10.4 lbs	134mm
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
Sigma Cine 50-100mm T2		cf 3' 2"	4 lbs	95mm
Sigma Cine 18 - 35mm T2		cf 2'		95mm
Century/ Canon 150 -600mm T6.7		cf 10'	18 lbs	125mm
Tokina Duclos 11 - 16mm T2.8		cf 1'		80mm
Red 18 - 50mm T3	(starts to crops at cf 14")	cf 8"		114mm

Red Monstro 5KHD	24.00mm x 13.50mm (27.54mm Ø)			4800 x 2700 Pixels	96fps
Venice S35 4K 17:9	24.30mm x 12.80mm (27.46mm Ø)			4096 x 2160 Pixels	
Arri Mini HD 16:9	23.76mm x 13.37mm (27.26mm Ø)			1920 x 1080 Pixels	
Sony FX9 S35 4K 17:9	24.00mm x 12.70mm (27.15 mm Ø)			3840 x 2160 Pixels	
Black Magic BPMCC 6K	23.10mm x 12.99mm (26.50 mm Ø)			6144x 3456 Pixels	

Angenieux Ultra 12x S35 24 - 290mm T2.8		cf 5'	28.1lbs	162mm
Angenieux EZ-2 FF/VV 22 - 60mm T3		cf 2'	4.6 lbs	114mm
Angenieux EZ1 S35 30-90mm T2		cf 2'	4.5 lbs	114mm
Angenieux Optimo Style 25-250mm T3.5		cf 4'	16 lbs	136mm
Angenieux Optimo 15-40mm T2.6		cf 2'	4.2 lbs	114mm
Angenieux Optimo 45-120mm T2.8		cf 3' 1"	4.3 lbs	114mm
Angenieux Optimo DP 30-80mm T2.8		cf 2'	4.2 lbs	114mm
Angenieux HR 25-250mm T3.5		cf 5' 7"	9.5 lbs	136mm
Canon 30-300mm T2.95		cf 5'	12.8 lbs	136mm
Canon 17-120mm T2.95		cf 2' 9"	6.4 lbs	114mm
Canon 15.5 - 47mm T2.8		cf 1' 7"	4.8 lbs	114mm
Canon 30-105mm T2.8		cf 1' 11"	4.8 lbs	114mm
Cooke 18-100mm T3		cf 2' 4"	13.5 lbs	150mm
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 Cabrio 85-300mm T2.9		cf 4'	6.8 lbs	114mm
Fujinon Cabrio 19-90mm T2.9		cf 2' 10"	6.1 lbs	114mm
Arri Fujinon Alura 18-100mm T2.6		cf 2' 4"	10.4 lbs	134mm
Zeiss CZ 15-30mm T2.9		cf 1' 10"	5.7 lbs	114mm
Zeiss CZ 28-7				