

### Which Zoom Lens Cover Which Sensor Size?

Updated 2/1/21

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 LF/ 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 Sony Venice 6K 3:2 Canon C700, C500 FF 17:9 38.40mm x 20.40mm ( 43.50 mm Ø ) 7680 x 4080 Pixels 36.20mm x 24.10mm ( 43.50 mm Ø ) 6048 x 4032 Pixels 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

#### Arri LF/ Mini LF O16:9 36.70mm x 20.62mm ( 42.10 mm Ø ) 4448 x 2502 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

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 Sony Venice FF 6K 17:9 Sony FX9 FF 4K 17:9 35.80mm x 18.90mm ( 40.50 mm Ø ) 7168 x 3780 Pixels 35.90mm x 19.00mm ( 40.57 mm Ø ) 6048 x 3190 Pixels 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 LF/ 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 Red Dragon 6K Red Helium 8K Sony FX9 FF Crop 5K 17:9 Arri Mini Open Gate 30.70mm x 16.20mm ( 34.70mm Ø ) 6144 x 3240 Pixels 30.70mm x 15.80mm ( 34.50mm Ø ) 6144 x 3160 Pixels 29.90mm x 15.77mm ( 33.80mm Ø ) 8192 x 4320 Pixels 29.73mm x 15.66mm ( 33.55mm Ø ) 5008 x 2640 Pixels 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 Canon C700 S35 28.80mm x 16.20mm ( 33.00mm Ø ) 5760 x 3240 Pixels 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 Arri Mini 4K UHD Phantom Flex 4K UHD Canon C300 MkIII 4K Canon C70 4K 27.03mm x 14.25mm ( 30.55mm Ø ) 6144 x 3240 Pixels 26.40mm x 14.85mm ( 29.99mm Ø ) 3840 x 2160 Pixels 25.90mm x 14.60mm ( 29.70mm Ø ) 3840 x 2160 Pixels 26.20mm x 13.80mm ( 29.61mm Ø ) 4096 x 2160 Pixels 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'	4 lbs	95mm
Century/ Canon 150 -600mm T6.7	cf 10'	18 lbs	125mm
Tokina Duclos 11 - 16mm T2.8	cf 1'	80mm	80mm
Red 18 - 50mm T3 ( starts to crops at cf 14" )	cf 8"	114mm	114mm

#### Red Monstro 5KHD Venice S35 4K 17:9 Arri Alexa/ Mini HD 16:9 Sony FX9 S35 4K 17:9 Black Magic BPMCC 6K 24.00mm x 13.50mm ( 27.54mm Ø ) 4800 x 2700 Pixels 23.37mm x 12.80mm ( 27.46mm Ø ) 4096 x 2160 Pixels 23.76mm x 13.37mm ( 27.26mm Ø ) 1920 x 1080 Pixels 24.00mm x 12.70mm ( 27.15 mm Ø ) 3840 x 2160 Pixels 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
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'	4 lbs	95mm
Century/ Canon 150 -600mm T6.7	cf 10'	18 lbs	125mm
Tokina Duclos 11 - 16mm T2.8	cf 1'	80mm	80mm
Red 18 - 50mm T3	cf 8"	114mm	114mm