

Which Prime Lenses Cover Which Sensor Size? Updated 10/31/20

This chart is designed to show which lenses cover which camera shooting formats. We only shows lenses which completely cover the sensor with no vignetting. A small amount of illumination falloff is acceptable if it is part of the lens design. If your chosen camera/ shooting format is not shown, use 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				
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm	
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm				
Cinescope Leica R	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm	
Nikkor Zero Optik / AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm			
GL Optics Canon FD	14mm	35mm	55mm	85mm	135mm	200mm	300mm			
Sigma Cine HS	14mm	20mm	24mm	28mm	35mm	40mm	50mm	80mm	105mm	135mm
Zeiss CP.3 XD	15mm	18mm	25mm	35mm	50mm	85mm	100mm	135mm		
Zeiss CP.2 Superspeeds	35mm	50mm	85mm							
Schneider Xenon EF/ PL	50mm	75mm	100mm							
Leica Summicron	100mm									
Cooke S/4i	75mm	100mm	135mm							
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm							
Zeiss Master Prime	50mm	100mm	100mm Macro							
Zeiss Ultraprime	65mm	85mm	100mm	135mm						
Zeiss Superspeed	65mm	85mm								
Zeiss Standard	50mm	85mm	100mm	135mm						
Zeiss Macro	100mm									

Arri LF/ Mini LF Open Gate	36.70mm x 25.54mm (44.71 mm Ø)					4448 x 3096 Pixels				
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm	
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm				
Cinescope Leica R	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm	
Nikkor Zero Optik / AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm			
GL Optics Canon FD	14mm	35mm	55mm	85mm	135mm	200mm	300mm			
Sigma Cine HS	14mm	20mm	24mm	28mm	35mm	40mm	50mm	80mm	105mm	135mm
Zeiss CP.3 XD	15mm	18mm	25mm	35mm	50mm	85mm	100mm	135mm		
Zeiss CP.2 Superspeeds	35mm	50mm	85mm							
Schneider Xenon EF/ PL	50mm	75mm	100mm							
Leica Summicron	100mm									
Cooke S/4i	65mm	75mm	100mm	135mm						
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm							
Zeiss Master Prime	50mm	100mm	100mm Macro							
Zeiss Ultraprime	32mm	65mm	85mm	100mm	135mm					
Zeiss Superspeed	65mm	85mm								
Zeiss Standard	50mm	85mm	100mm	135mm						
Zeiss Macro	100mm									

Red Monstro 8KHD	38.40mm x 21.60mm (44.10 mm Ø)					7680 x 4320 Pixels				
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm	
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm				
Cinescope Leica R	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm	
Nikkor Zero Optik / AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm			
GL Optics Canon FD	14mm	35mm	55mm	85mm	135mm	200mm	300mm			
Sigma Cine HS	14mm	20mm	24mm	28mm	35mm	40mm	50mm	80mm	105mm	135mm
Zeiss CP.3 XD	15mm	18mm	25mm	35mm	50mm	85mm	100mm	135mm		
Zeiss CP.2 Superspeeds	35mm	50mm	85mm							
Schneider Xenon EF/ PL	50mm	75mm	100mm							
Leica Summicron	100mm									
Cooke S/4i	65mm	75mm	100mm	135mm						
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm							
Zeiss Master Prime	50mm	100mm	100mm Macro							
Zeiss Ultraprime	32mm	65mm	85mm	100mm	135mm					
Zeiss Superspeed	65mm	85mm								
Zeiss Standard	50mm	85mm	100mm	135mm						
Zeiss Macro	100mm									

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 Mk2 FF 17:9	38.10mm x 20.10mm (43.10 mm Ø)					5952 x 3140 Pixels				
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm	
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm				
Cinescope Leica R	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm	
Nikkor Zero Optik / AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm			
GL Optics Canon FD	14mm	24mm	35mm	55mm	85mm	135mm	200mm	300mm		(24mm clears to T4)
Sigma Cine HS	14mm	20mm	24mm	28mm	35mm	40mm	50mm	80mm	105mm	135mm
Zeiss CP.3 XD	15mm	18mm	25mm	35mm	50mm	85mm	100mm	135mm		
Zeiss CP.2 Superspeeds	35mm	50mm	85mm							
Schneider Xenon EF/ PL	25mm	35mm	50mm	75mm	100mm					
Leica Summicron	50mm	75mm	100mm	135mm						
Cooke S/4i	65mm	75mm	100mm	135mm						
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm							
Zeiss Master Prime	50mm	100mm	100mm Macro							
Zeiss Ultraprime	32mm	65mm	85mm	100mm	135mm					
Zeiss Superspeed	65mm	85mm								
Zeiss Standard	50mm	85mm	100mm	135mm						
Zeiss Macro	100mm									

Arri LF/ Mini LF 4.5K OG 16:9	36.70mm x 20.62mm (42.10 mm Ø)					4448 x 2502 Pixels				
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm	
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm				
Cinescope Leica R	19mm	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm
Nikkor Zero Optik / AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm			
GL Optics Canon FD	14mm	24mm	35mm	55mm	85mm	135mm	200mm	300mm		
Sigma Cine HS	14mm	20mm	24mm	28mm	35mm	40mm	50mm	80mm	105mm	135mm
Zeiss CP.3 XD	15mm	18mm	25mm	35mm	50mm	85mm	100mm	135mm		
Zeiss CP.2 Superspeeds	35mm	50mm	85mm							
Schneider Xenon EF/ PL	25mm	35mm	50mm	75mm	100mm					
Leica Summicron	50mm	75mm	100mm	135mm						
Cooke S/4i	65mm	75mm	100mm	135mm						
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm							
Zeiss Master Prime	50mm	100mm	100mm Macro							
Zeiss Ultraprime	32mm	65mm	85mm	100mm	135mm					
Zeiss Superspeed	65mm	85mm								
Zeiss Standard	50mm	85mm	100mm	135mm						
Zeiss Macro	100mm									

Red Monstro 7.5KHD	36.48mm x 20.52mm (41.86 mm Ø)					7296 x 4104 Pixels				
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm	
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm				
Cinescope Leica R	19mm	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm
Nikkor Zero Optik / AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm			
GL Optics Canon FD	14mm	24mm	35mm	55mm	85mm	135mm	200mm	300mm		
Sigma Cine HS	14mm	20mm	24mm	28mm	35mm	40mm	50mm	80mm	105mm	135mm
Zeiss CP.3 XD	15mm	18mm	25mm	35mm	50mm	85mm	100mm	135mm		
Zeiss CP.2 Superspeeds	35mm	50mm	85mm							
Schneider Xenon EF/ PL	25mm	35mm	50mm	75mm	100mm					
Leica Summicron	50mm	75mm	100mm	135mm						
Cooke S/4i	65mm	75mm	100mm	135mm						
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm							
Zeiss Master Prime	50mm	100mm	100mm Macro							
Zeiss Ultraprime	32mm	65mm	85mm	100mm	135mm					
Zeiss Superspeed	65mm	85mm								
Zeiss Standard	50mm	85mm	100mm	135mm						
Zeiss Macro	100mm									

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)					6008 x 2160 Pixels				
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm	
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm				
Cinescope Leica R	19mm	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm
Nikkor Zero Optik / AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm			
GL Optics Canon FD	14mm	24mm	35mm	55mm	85mm	135mm	200mm	300mm		
Sigma Cine HS	14mm	20mm	24mm	28mm	35mm	40mm	50mm	80mm	105mm	135mm
Zeiss CP.3 XD	15mm	18mm	25mm	35mm	50mm	85mm	100mm	135mm		
Zeiss CP.2 Superspeeds	35mm	50mm	85mm							
Schneider Xenon EF/ PL	25mm	35mm	50mm	75mm	100mm					
Leica Summicron	50mm	75mm	100mm	135mm						
Cooke S/4i	65mm	75mm	100mm	135mm						
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm							
Zeiss Master Prime	50mm	100mm	100mm Macro							
Zeiss Ultraprime	32mm	40mm	65mm	85mm	100mm	135mm				
Zeiss Superspeed	65mm	85mm								
Zeiss Standard	50mm	85mm	100mm	135mm						
Zeiss Macro	50mm	100mm								

Sony Venice 5.7K 16:9	33.7 mm x 18.9 mm (38.64 mm Ø)					5670 x 3190 Pixels					30fps
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm		
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm					
Cinescope Leica R	19mm	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm	
Nikkor Zero Optik / AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm				
GL Optics Canon FD	14mm	24mm	35mm	55mm	85mm	135mm	200mm	300mm			
Sigma Cine HS	14mm	20mm	24mm	28mm	35mm	40mm	50mm	80mm	105mm	135mm	
Zeiss CP.3 XD	15mm	18mm	25mm	35mm	50mm	85mm	100mm	135mm			
Zeiss CP.2 Superspeeds	35mm	50mm	85mm								
Schneider Xenon EF/ PL	25mm	35mm	50mm	75mm	100mm						
Leica Summicron	35mm	50mm	75mm	100mm	135mm						
Cooke S/4i	65mm	75mm	100mm	135mm							
Cooke Speed Panchro Classic	50mm	65mm Macro	75mm	100mm							
Zeiss Master Prime	50mm	100mm	100mm Macro								
Zeiss Ultraprime	32mm	40mm	65mm	85mm	100mm	135mm					
Zeiss Superspeed	50mm	65mm	85mm								
Zeiss Standard	50mm	85mm	100mm	135mm							
Zeiss Macro	40mm	50mm	100mm								

Arri LF/ Mini LF 4K UHD 16:9	31.68mm x 17.82mm (36.35mm Ø)				
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