

Which Prime Lenses Cover Which Sensor Size? Updated 2/1/2021

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		
Arri Signature	18mm	21mm	25mm	35mm	47mm	58mm	75mm	125mm			
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm		
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm	137mm				
Cinescope Leica R	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm		
Zero Optik Nikkor/ AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm				
Zero Optik Canon FD	14mm	24mm	28mm	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		
Arri Signature	18mm	21mm	25mm	35mm	47mm	58mm	75mm	125mm			
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm		
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm	137mm				
Cinescope Leica R	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm		
Zero Optik Nikkor/ AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm				
Zero Optik Canon FD	14mm	24mm	28mm	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		
Arri Signature	18mm	21mm	25mm	35mm	47mm	58mm	75mm	125mm			
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm		
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm	137mm				
Cinescope Leica R	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm		
Zero Optik Nikkor/ AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm				
Zero Optik Canon FD	14mm	24mm	28mm	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)								5592 x 3140 Pixels		
Arri Signature	18mm	21mm	25mm	35mm	47mm	58mm	75mm	125mm			
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm		
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm	137mm				
Cinescope Leica R	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm		
Zero Optik Nikkor/ AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm				
Zero Optik Canon FD	14mm	24mm	28mm	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										

Arri LF/ Mini LF 4.5K OG 16:9	36.70mm x 20.62mm (42.10 mm Ø)								4448 x 2502 Pixels		
Arri Signature	18mm	21mm	25mm	35mm	47mm	58mm	75mm	125mm			
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm		
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm	137mm				
Cinescope Leica R	19mm	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm	
Zero Optik Nikkor/ AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm				
Zero Optik Canon FD	14mm	24mm	28mm	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								
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		
Arri Signature	18mm	21mm	25mm	35mm	47mm	58mm	75mm	125mm			
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm		
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm	137mm				
Cinescope Leica R	19mm	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm	
Zero Optik Nikkor/ AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm				
Zero Optik Canon FD	14mm	24mm	28mm	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								
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		
Arri Signature	18mm	21mm	25mm	35mm	47mm	58mm	75mm	125mm			
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm	85mm	100mm	135mm		
Tribe7 Blackwing7	27mm	37mm	47mm	57mm	77mm	107mm	137mm				
Cinescope Leica R	19mm	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm	135mm	
Zero Optik Nikkor/ AIS	24mm	35mm	58mm	85mm	105mm	200mm	400mm				
Zero Optik Canon FD	14mm	24mm	28mm	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	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
Arri Signature	18mm	21mm	25mm	35mm	47mm	58mm	75mm	125mm				
Zeiss Supreme	21mm	25mm	29mm	35mm	50mm	65mm</						