

Which Prime Lenses Cover Which Sensor Size?

Updated 11/4/25

This chart shows lens coverage for specific camera sensor 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, find and use the image circle Ø that is closest to your format: <https://www.omnicalculator.com/math/diagonal-of-rectangle>

	40.96mm x 21.60mm (46.31 mm Ø)				8192 x 4320 Pixels			
Red Monstro 8K	40.96mm x 21.60mm (46.31 mm Ø)				8192 x 4320 Pixels			
Arri Signature	15mm	18mm	21mm	25mm	29mm	35mm	40mm	47mm 58mm 75mm 125mm
Zeiss Supreme	18mm	21mm	25mm	29mm	35mm	50mm	65mm	85mm 100mm 135mm
Blackwing7- Tribe7	20.7mm	23.7mm	27mm	37mm	47mm	57mm	77mm	107mm 137mm
Leica M Rangefinder - Zero Optik	24mm	28mm	35mm	50mm	75mm	90mm		
Cooke Speed Panchro/ Full Frame	18mm	21mm	27mm	32mm	40mm	65mm Macro	75mm	100mm 135mm 152mm
Cooke SP.3	25mm	32mm	50mm	75mm	100mm			
Olympus M Zuiko - Zero Optik	28mm	40mm	50mm Macro	85mm	135mm			
Leica R - TlS/ Cinescope	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm 135mm
Nikkor AIS - Zero Optik	15mm	24mm	25mm	58mm	85mm	105mm	200mm	400mm 400mm
Canon FD S.S.C Asph- Zero Optik	14mm	24mm	28mm	35mm	55mm	85mm	135mm	200mm 300mm
Canon Rangefinder - TLS	40mm	58mm	85mm	100mm				
Canon Rangefinder - Type SK	50mm	60mm	85mm	100mm				
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/i/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							
	36.70mm x 25.54mm (44.71 mm Ø)				4448 x 3096 Pixels			
Arri Signature	15mm	18mm	21mm	25mm	29mm	35mm	40mm	47mm 58mm 75mm 125mm
Zeiss Supreme	18mm	21mm	25mm	29mm	35mm	50mm	65mm	85mm 100mm 135mm
Tribe7 Blackwing7	20.7mm	23.7mm	27mm	37mm	47mm	57mm	77mm	107mm 137mm
Leica M Rangefinder - Zero Optik	24mm	28mm	35mm	50mm	75mm	90mm		
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Nikkor AIS - Zero Optik	15mm	24mm	35mm	58mm	85mm	105mm	200mm	400mm
Canon FD S.S.C Asph- Zero Optik	14mm	24mm	28mm	35mm	55mm	85mm	135mm	200mm 300mm
Canon Rangefinder - TLS	19mm	25mm	35mm	40mm	50mm DL	58mm	85mm	100mm
Canon Rangefinder - Type SK	50mm	60mm	85mm	100mm				
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Zeiss CP.2 Superspeeds	35mm	50mm	85mm					
Schneider Xenon EF/ PL	50mm	75mm	100mm					
Leica Summicron	100mm							
Cooke S/i/4i	65mm	75mm	100mm	135mm				
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm					
Zeiss Master Prime	50mm	75mm	100mm	100mm Macro				
Zeiss Ultraprime	65mm	85mm	100mm	135mm				
Zeiss Superspeed	65mm	85mm						
Zeiss Standard	50mm	85mm	100mm	135mm				
Zeiss Macro	100mm							
	38.40mm x 21.60mm (44.10 mm Ø)				7680 x 4320 Pixels			
Red V-Raptor 8K 16:9	38.40mm x 21.60mm (44.10 mm Ø)				7680 x 4320 Pixels			
Red Monstro 8KHD	38.40mm x 21.60mm (44.10 mm Ø)				7680 x 4320 Pixels			
Arri Signature	15mm	18mm	21mm	25mm	29mm	35mm	40mm	47mm 58mm 75mm 125mm
Zeiss Supreme	18mm	21mm	25mm	29mm	35mm	50mm	65mm	85mm 100mm 135mm
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Canon FD S.S.C Asph- Zero Optik	14mm	24mm	28mm	35mm	55mm	85mm	135mm	200mm 300mm
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Schneider Xenon EF/ PL	25mm	35mm	50mm	75mm	100mm			
Leica Summicron	50mm	75mm	100mm					
Cooke S/i/4i	65mm	75mm	100mm	135mm				
Cooke Speed Panchro Classic	65mm Macro	75mm	100mm					
Zeiss Master Prime	50mm	75mm	100mm	100mm Macro				
Zeiss Ultraprime	32mm	65mm	85mm	100mm	135mm			
Zeiss Superspeed	65mm	85mm						
Zeiss Standard	50mm	85mm	100mm	135mm				
Zeiss Macro	100mm							
	38.40mm x 20.40mm (43.50 mm Ø)				7680 x 4080 Pixels			
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	35.90mm x 24.00mm (43.18 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	15mm	18mm	21mm	25mm	29mm	35mm	40mm	47mm 58mm 75mm 125mm
Zeiss Supreme	18mm	21mm	25mm	29mm	35mm	50mm	65mm	85mm 100mm 135mm
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Leica R - TlS/ Cinescope	24mm	28mm	35mm	50mm	60mm	80mm	100mm	135mm
Nikkor AIS - Zero Optik	15mm	24mm	35mm	58mm	85mm	105mm	200mm	400mm
Canon FD S.S.C Asph- Zero Optik	14mm	24mm	28mm	35mm	55mm	85mm	135mm	200mm 300mm
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Cooke S/i/4i	65mm	75mm	100mm	135mm				
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Zeiss Master Prime	50mm	75mm	100mm	100mm Macro				
Zeiss Ultraprime	32mm	65mm	85mm	100mm	135mm			
Zeiss Superspeed	65mm	85mm						
Zeiss Standard	50mm	85mm	100mm	135mm				
Zeiss Macro	100mm							
	36.48mm x 20.52mm (41.86 mm Ø)				7296 x 4104 Pixels			
Red Monstro 7.5KHD	36.48mm x 20.52mm (41.86 mm Ø)				7296 x 4104 Pixels			
Nikon Zr 6K FF/FX	35.90mm x 20.20mm (41.23 mm Ø)				6048 x 3402 Pixels			
Sony Burano FF 8.6K 16:9	35.90mm x 20.2mm (41.19 mm Ø)				8632 x 4856 Pixels			
Arri Signature	15mm	18mm	21mm	25mm	29mm	35mm	40mm	47mm 58mm 75mm 125mm
Zeiss Supreme	18mm	21mm	25mm	29mm	35mm	50mm	65mm	85mm 100mm 135mm
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Zeiss Master Prime	50mm	75mm	100mm	100mm Macro				
Zeiss Ultraprime	32mm	65mm	85mm	100mm	135mm			
Zeiss Superspeed	65mm	85mm						
Zeiss Standard	50mm	85mm	100mm	135mm				
Zeiss Macro	100mm							
	35.64mm x 20.05mm (40.89 mm Ø)				4320 x 2430 Pixels			
Arri Mini LF 4.3K 16:9 - UHD	35.64mm x 20.05mm (40.89 mm Ø)				4320 x 2430 Pixels			
Arri Signature	15mm	18mm	21mm	25mm	29mm	35mm	40mm	47mm 58mm 75mm 125mm
Zeiss Supreme	18mm	21mm	25mm	29mm	35mm	50mm	65mm	85mm 100mm 135mm
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