

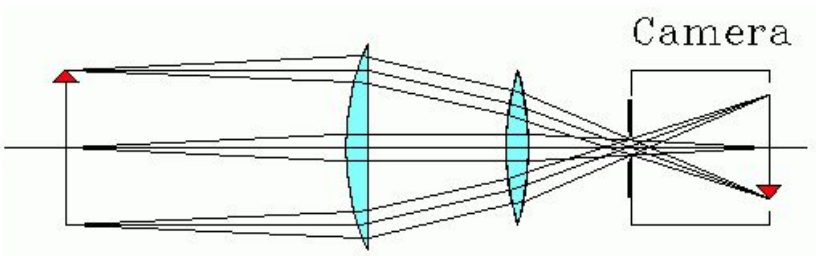
Entrance Pupil Measurements

To calculate the Entrance pupil distance add the Tripod Mount Length (L1) from the camera and the Entrance Pupil Length (L2) from the lens. So for example for a Canon 300d and a 10-22mm at 10mm, the total Entrance pupil distance from the tripod mount is 40mm + 66mm = 106mm

For lenses of the same manufacturer as the camera, just take the first table, simple.

Several manufacturers (Sigma, Tamron, Tokina, etc) offer the same lens for a variety of camera mounts. Since different camera manufacturers have different lens mount dimensions, these "third party" lenses are split in a separate table (below).

For these Focal Length values the actual focus is set to infinity (\infty) unless otherwise specified (Micro/macro lenses)



原厂镜头 (与相机同厂生产的镜头)		
		从镜头侧面看，从镜头接口到节点的距离（毫米）。 如果出现了负数，说明节点的位置已经到镜头以外，进入了照相机机身内。这种情况多发生在长焦镜头上。
镜头型号	镜头焦距	从镜头接口 到节点的距离

Canon EF 8-15mm	8-15mm	64mm
Canon EF-S 10-22mm	10mm	66mm
Canon EF 15mm	15mm	45mm at F11 focus at 1m
Canon EF 16-35 mm	16mm	79mm
Canon 17-40mm	17mm	71mm
Canon 17-40mm	28mm	69mm
Canon 17-40mm	40mm	72mm
Canon 17-55mm f/2.8	17mm	75.5mm
Canon 17-55mm f/2.8	20mm	71mm
Canon 17-55mm f/2.8	28mm	59.5mm
Canon 17-55mm f/2.8	35mm	52mm
Canon 18-55mm (which version?)	18mm	47mm
Canon 18-55mm	24mm	23mm
Canon 18-55mm	35mm	45mm
Canon 18-55mm	55mm	55mm
Canon 24mm f/2.8	24mm	28.5mm at F11 focus at 2m
Canon 24mm TSE f/3.5L II	24mm	86mm at F11, focus infinity at F11 mark
Canon 35mm f/2	35mm	12.5mm
Canon 35mm f/2	35mm	23mm at F11 and infinity at the red dot
Canon EF 50mm f/1.4	50mm	17.5mm
Canon 50mm f/1.8 II	50mm	23mm
Canon 50mm f/2.5 macro	50mm	21.5mm at F11, focus infinity at red dot mark
Canon 50mm f/2.5 macro	50mm	30mm at F11, focus at aprox 0.56m, 0.5m at left f16 mark.
Canon EF 85mm f/1.8	85mm	39mm
Canon EF 70-200 f/4.0 L USM	70mm	92mm
Canon EF 70-200 f/4.0 L USM	100mm	67mm
Canon EF 70-200 f/4.0 L USM	135mm	53mm

Canon EF 70-200 f/4.0 L USM	200mm	??
Canon EF 70-200 f/2.8 L IS USM	200mm	26mm
Konica Minolta 24 f/2.8	24mm	21mm
Nikkor AF DX 10.5mm f2.8G ED Fisheye	10.5mm	~46mm recommended. Varies: 41.2 (0°) to 57mm (100°) [PT]
Nikkor AF DX 10.5mm f2.8G ED (Shaved, edge	10.5mm	~47.5mm recommended on FX cameras. Varies: see above
Nikkor AF-S DX 12-24mm f4G ED	12mm	71.5mm
Nikkor AF 14mm f2.8D ED	14mm	48mm (Varies by angle)
Nikkor AF 16mm f2.8D Fisheye	16mm	~48mm recommended. Varies: 37.9mm(0°) to 48mm(85°)
Nikkor AF-S 17-35mm f2.8D ED	17mm	82.5mm
Nikkor AF-S 17-35mm f2.8D ED	35mm	78.5mm
Nikkor AF-S DX 18-55mm II	18mm	70mm
Nikkor AF-S DX 18-70mm	18mm	51mm
Nikkor AF-S DX 18-70mm	24mm	44mm
Nikkor AF-S DX 18-70mm	35mm	33.5mm
Nikkor AF-S DX 18-70mm	50mm	24.5mm
Nikkor AF-S DX 18-70mm	70mm	-6.5mm
Nikkor AF 18mm f2.8D	18mm	36mm
Nikkor AF 20mm f2.8D	20mm	22mm
Nikkor AF 24mm f2.8D	24mm	25mm
Nikkor PC-E 24mm f3.5D ED tilt shift	24mm	85mm (no tilt)
Nikkor AF-S 24-120mm f4G ED VR	24mm	71mm (<25°) Varies.
Nikkor AF-S 24-120mm f4G ED VR	120mm	4mm
Nikkor AF 28mm f2.8D	28mm	22mm[PT]
Nikkor PC 28mm f3.5 shift	28mm	37mm (no shift)
Nikkor AF-S 28-70mm f2.8D ED	28mm	97.5mm
Nikkor AF-S 28-70mm f2.8D ED	70mm	76mm
Nikkor AF 35mm f2.0D	35mm	19.3mm

Nikkor PC 35mm f2.8 shift	35mm	37mm (no shift)
Nikkor AF-S DX 35mm f1.8G	35mm	18mm
Nikkor AF-S DX Micro 40mm f2.8G	40mm	33mm
Nikkor MF 50mm f1.2	50mm	16mm
Nikkor AF 50mm f1.4D	50mm	6mm
Nikkor AF 50mm f1.8D	50mm	5mm (f4..f22), 19mm (f1.8..f2.8 - internal vignetting)
Nikkor AF-S 50mm f1.8G	50mm	7mm ~
Nikkor AF 60mm f2.8D Micro	60mm	15mm (infinity)
Nikkor AF 60mm f2.8D Micro	60mm	49mm (1:1)
Nikkor AF-S 70-200mm f4G ED VR	70mm	100mm
Nikkor AF-S 70-200mm f4G ED VR	200mm	-5mm
Nikkor AF 80-200mm f2.8D ED	80mm	81.2mm
Nikkor AF 80-200mm f2.8D ED	135mm	6mm
Nikkor AF 80-200mm f2.8D ED	200mm	-90mm
Nikkor AF 85mm f1.8D	85mm	10mm
Nikkor PC 85mm f2.8D micro tilt shift	85mm	39mm (infinity, no tilt)
Nikkor PC 85mm f2.8D micro tilt shift	85mm	74mm (1:2)
Nikkor AF 105mm f2.8D Micro	105mm	32mm (infinity)
Nikkor AF 105mm f2.8D Micro	105mm	92mm (1:1)
Nikkor AF 105mm f2.8G VR Micro	105mm	30mm (~, at infinity)
Nikkor AF 105mm f2.8G VR Micro	105mm	-50mm (~, at 1:1)
Nikkor AF 135mm f2D DC	135mm	42mm
Nikkor AF 180mm f2.8D ED	180mm	-45mm
Nikkor AF 200mm f4D ED Micro	200mm	96mm (infinity)
Nikkor AF 200mm f4D ED Micro	200mm	-5mm (1:2)
Nikkor AF 200mm f4D ED Micro	200mm	-450mm (1:1)
Nikkor AF 300mm f4 ED	300mm	-187mm, -209mm with TC14B

Nikkor MF 500mm f8 Reflex	500mm	-335mm
Nikon C8800 at Wide inf. (is this at the	8.9mm ??	75mm center of tripod mtg screw to Ent Pupil
Panasonic Lumix DMC-LX3	5.1mm	28.5mm (but what constitutes the lens base?)
Opteka 0.22X UHD II FishEye	8mm	35.75mm
Sony 18-55mm E-mount	18mm	15.5mm
Sony 18-55mm E-mount	24mm	12.5mm
Sony 18-55mm E-mount	35mm	-23.5mm
Carl Zeiss Jena Flektogon 20mm f/4	20mm	17.5mm
Raynox DCR-CF185PR0	Conversio	80mm
Canon PowerShot A630	35mm	31mm
Canon PowerShot A710 IS	35mm	32mm
Canon G9	7.4mm	33.7mm from tripod screw
Canon G9	44.4mm	-10mm from tripod screw
Pentax smc DA 10-17mm F3.5-4.5 Fisheye zoom	10mm	57.8mm
<Manufacturer / Lens>	<Focal	<Entrance Pupil Length>

有些厂家(如Sigma, Tamron, Tokina 等)能够生成适配于不同品牌相机的相同型号镜头。假如列表中数值是佳能的，你只要加2.5mm就是尼康的数值了。(46.5mm - 44mm)。

注意：本表中很多镜头并未标明相机型号。如果你知道确切的数值，可以自行编辑本表。

镜头型号	镜头焦距	从胶片到节点的距离	从镜头接口到节点的距离		
第三方厂家镜头 即与相机不是一个品牌的镜头					
		Independent of lens mount	Depends on type of camera		
或者一个品牌型号的镜头有各种接口。 例如适马镜头可以有佳能接口、尼康接口					
Enter the exact lens name	f	FP	Unspecified mount	Nikon F mount (FP-46.5mm)	Canon EF Mount (FP-44.0mm)
Peleng-N 8mm F3.5	8mm		44mm	(N for Nikon?)	

Samyang 8mm f3.5 CS Fish-eye (~60°)	8mm		50mm		
Samyang 14mm f2.8 ED AS IF UMC	14mm		55mm		
Samyang 35mm f1.4 AS UMC	35mm		58mm		
Sigma 14mm f3.5	14mm	82.8mm to 87.8mm [JW]			
Sigma 70-300	70mm		83mm		
Sigma 70-300	85mm		70mm		
Sigma 70-300	100mm		45mm		
Sigma 70-300	135mm		-30mm		
Sigma 70-300	200mm		-30mm		
Sigma 10mm f/2.8 EX DC HSM Fisheye (60° stops)	10mm		50mm		
Sigma 8mm f4.0 fisheye	8mm	88.8mm(10°) to		~48mm recommended	
Sigma 8mm F3.5 EX	8mm		49.5mm	52mm[GR]	
Sigma 35mm F1.4 A HSM	35mm				62mm
Sigma 8-16mm F4.5-5.6 DC HSM	8mm		73mm		
Sigma 8-16mm F4.5-5.6 DC HSM	12mm		67mm		
Sigma 8-16mm F4.5-5.6 DC HSM	16mm		66.5mm		
Sigma 10-20mm F4-5.6 EX DC	10mm		62mm		
Sigma 10-20mm F4-5.6 EX DC	14mm		64mm		
Sigma 10-20mm F4-5.6 EX DC	20mm		68mm		
Sigma 17-70mm F2.8-4.5 DC macro	17mm		58mm		
Sigma 30mm F1.4 EX DC	30mm		26.5mm		
Sigma APO 50-150 2.8 II EX DC HSM	50mm		60mm		

Sigma AP0 50-150 2.8 II EX DC HSM	70mm		30mm		
Sigma AP0 50-150 2.8 II EX DC HSM	100mm		-10mm		
Tamron 11-18mm F4.5-5.6	11mm		58.5mm		
Tamron 11-18mm F4.5-5.6	14mm		59.5mm		
Tamron 11-18mm F4.5-5.6	18mm		62.5mm		
Tamron 17-50mm F2.8 XR DI II LD	17mm		56.5mm		
Tamron 17-50mm F2.8 XR DI II LD	24mm		48mm		
Tamron 17-50mm F2.8 XR DI II LD	35mm		40.5mm		
Tamron 17-50mm F2.8 XR DI II LD	50mm		31.5mm		
Tamron 28-75mm F2.8 XR DI	28-75mm		58.8mm		
Tamron 90mm F2.8 Di2 Macro	90mm		34mm		
Tokina 10-17mm f3.5 DX	10mm		58.2mm		
Tokina 11-16mm f2.8 DX	11mm		65.6mm		
Tokina 11-16mm f2.8 DX	16mm		67.6mm		
Tokina 12-24mm f4 DX	12mm			63mm [GR]	
Tokina 12-24mm f4 DX	18mm		64mm ~		
Tokina 12-24mm f4 DX	24mm		59mm		
Tokina 28-70mm f2.8 ATX	28mm	115mm [JW]			
Tokina 28-70mm f2.8 ATX	70mm	98.3mm [JW]			
Tokina 28-80mm f2.8 ATX-PRO	28mm	128mm [JW]			
Tokina 28-80mm f2.8 ATX-PRO	80mm	106mm [JW]			
Zenitar 2,8/16	16mm		36mm		