

Lens Specifications

35mm full-frame and APS-C-format lenses

Model	Diagonal angle of view when mounted on APS-C-format camera (°)	Diagonal angle of view when mounted on full-frame camera (°)	Minimum aperture (F)	Minimum focusing distance (m)	Maximum magnification (x)	Filter size (mm)	Maximum diameter x length (mm)	Weight (g)	Rear converter compatibility		Lens hood	Lens cap	Lens case
									HD PENTAX DA AF REAR CONVERTER L4-AW Phase-matching	(1) HD PENTAX DA AF REAR CONVERTER L4-AW Contrast-decreased			
HD PENTAX-D FA 15-50mm F2.8ED SDM WR	86-50	111-72	22	0.28	0.20	—	98.5x143.5	1,040	○	○	Fixed	O-1-W98A	S120-160 Included
HD PENTAX-D FA 31-44mm F2.8ED SDM WR	61-23	84-34.5	22	0.38	0.20	62	88.5x109.5	787	○	○	Fixed	O-1-C82	S120-190 Included
HD PENTAX-D FA 28-100mm F3.5-6.3ED DC WR	53-15.5	75-25.5	22-38	0.5	0.22	62	73x86.5	440	△	△	PH-RD82 Included	O-1-C82	S80-120 Optional
HD PENTAX-D FA* 70-200mm F2.8ED DC AW	23-8.1	34.5-12.5	22-32	1.2	0.13	77	91.5x203	1,755	○	○	PH-RBM77 Included	O-1-C77	H31-D-230 Included
HD PENTAX-D FA 19-45mm F4.5-6.3ED DC AW	10.7-3.6	16.5-5.5	22-27	2.0	0.22	86	95.2x141.5	2,000	△	△	PH-RA86 Included	O-1-C86	H31-D-270 Included
SMC PENTAX-D FA MACRO 50mm F2.8	47	31.5	32	0.195	1.00	49	67.5x69.0	265	○	○	PH-RBC49 Included	F49mm	S80-80 Included
SMC PENTAX-D FA MACRO 100mm F2.8 WR	24.5	16	32	0.303	1.00	49	65.8x85.0	340	○	○	PH-RBE49 Included	O-1-C49	S80-120 Included
SMC PENTAX-FA 31mm F1.8AL Limited	70	49	7-9	2.2	0.3	58	65x68.5	345	○	○	PH-RBE49 Included	F43/F1.8 Limited	F43mm Limited Included
SMC PENTAX-FA 35mm F2AL	63	44	5-6	2.2	0.3	49	64x44.5	195	○	○	PH-RBA49 Included	F49mm	S80-80 Included
SMC PENTAX-FA 43mm F1.9 Limited	53	36.5	22	0.45	0.12	49	64x27	155	○	○	PH-RKA49 Included	Limited F49mm	F47mm Limited Included
SMC PENTAX-FA 50mm F1.4	47	31.5	22	0.45	0.15	49	65x37	220	○	○	PH-RKA49, PH-RKC49 Optional	F49mm	S70-70 Optional
SMC PENTAX-FA 77mm F1.8 Limited	31.5	21	22	0.7	0.14	49	64x48	270	○	○	Hood built-in	Limited F49mm	F47mm Limited Included

APS-C-format lenses

Model	Diagonal angle of view when mounted on APS-C-format camera (°)	Diagonal angle of view when mounted on full-frame camera (°)	Minimum aperture (F)	Minimum focusing distance (m)	Maximum magnification (x)	Filter size (mm)	Maximum diameter x length (mm)	Weight (g)	Rear converter compatibility		Lens hood	Lens cap	Lens case
									HD PENTAX DA AF REAR CONVERTER L4-AW* Phase-matching	(1) HD PENTAX DA AF REAR CONVERTER L4-AW* Contrast-decreased			
SMC PENTAX-DA F14-24mm F2.8 AL [IF] SDM	—	180-100	22-32	0.14	0.39	—	68x71.5	320	△	△	Fixed	DA FE1047	S80-80 Included
SMC PENTAX-DA 17-50mm F2.8 AL [IF] SDM	—	99-61	22	0.3	0.12	77	84x87.5	430	○	○	PH-RB77 Included	O-1-C77	S100-120 Optional
SMC PENTAX-DA* 16-50mm F2.8 ED AL [IF] SDM	—	83-31.5	22	0.3	0.21	77	84x85.5	565	○	○	PH-RB77 Included	O-1-C77	S100-140 Included
SMC PENTAX-DA 10-17mm F3.5-6.3 ED DC WR	—	83-19	22-38	0.35	0.26	72	78x94	488	○	△	PH-RBA72 Included	O-1-C72	S90-140 Optional
SMC PENTAX-DA 17-70mm F4 AL [IF] SDM	—	79-23	22	0.28	0.31	67	75x92.5	485	○	△	PH-RBM67 Included	O-1-C67	S90-140 Optional
HD PENTAX-DA 18-250mm F4.5-6.3 DC WR RE	—	76-31.5	22-32	0.3	0.23	58	71x41	158	△	△	PH-RB58 Included	O-1-W67A, O-1-C58*	S80-80 Optional
SMC PENTAX-DA 18-250mm F4.5-6.3 DC WR	—	76-29	22-32	0.25	0.34	52	68.5x67.5	235	○	○	PH-RBC52 Included	O-1-C52	S80-120 Optional
SMC PENTAX-DA 18-250mm F4.5-6.3 DC WR	—	76-11.9	22-38	0.4	0.24	62	73x76.2	405	△	△	PH-RBC52 Included	O-1-C62	S80-120 Optional
SMC PENTAX-DA 18-250mm F4.5-6.3 DC WR	—	76-6	22-45	0.49	0.26	62	75x89	453	△	△	PH-RBD62 Included	O-1-C62	S80-120 Optional
SMC PENTAX-DA 20-40mm F2.8 AL [IF] Limited DC WR	—	70-39	8-9	2.32	0.28	55	71x68.5	283	○	○	PH-RBA55 Included	O-1-W65A	P70-150 Included
SMC PENTAX-DA* 50-135mm F2.8 DIF [IF] SDM	—	31.5-11.9	22	1.0	0.17	67	76.5x136	685	○	○	PH-RBK67 Included	O-1-C67	S90-60 Included
SMC PENTAX-DA 50-200mm F4.5-6.3 ED WR	—	31.5-8.1	22-32	1.1	0.24	49	69x79.5	285	△	△	PH-RBD49 Included	F49mm	S80-120 Optional
HD PENTAX-DA 55-200mm F4.5-6.3 DC WR RE*	—	29-5.4	22-32	0.95	0.30	58	76.5x89	442	△	△	PH-RBK58 Included	O-1-C58	S80-120 Optional
HD PENTAX-DA 55-200mm F4.5-6.3 DC WR	—	29-5.4	22-32	1.4	0.28	58	72x111.5	466	△	△	PH-RB58 Included	O-1-C58	S80-120 Optional
SMC PENTAX-DA* 66-250mm F4.5-6.3 ED SDM	—	26.5-6.5	32	1.1	0.15	67	82x107.5	1,040	○	○	PH-RBK67 Included	O-1-C67	S100-200 Included
SMC PENTAX-DA 14mm F2.8 DIF [IF]	—	90	11-12	22	0.17	77	83.5x69	420	○	○	PH-RBF77 Included	O-1-C77	S100-120 Included
HD PENTAX-DA 15mm F4 ED AL Limited	—	86	6-8	2.2	0.18	49	63x39.5	189	Incompatible	Incompatible	Hood built-in	DA15/Limited	DV7mm Limited Included
SMC PENTAX-DA 21mm F3.2 AL Limited	—	68	5-8	2.2	0.2	49 or 43	63x25	134	Incompatible	Incompatible	PH-HBB43 Included	DA21/2.2 Limited	DV2mm Limited Included
SMC PENTAX-DA 35mm F2.8 AL	—	44	5-6	2.2	0.3	49	63x45	124	○	○	PH-ASA49, PH-RRC49 Optional	O-1-C49	S70-70 Optional
SMC PENTAX-DA 35mm F2.8 Macro Limited	—	44	8-9	2.2	0.139	100	63x46.5	214	○	○	Hood built-in	DV35Macro Limited	DV7mm Limited Included
SMC PENTAX-DA 40mm F2.8 XR	—	39	4-5	2.2	0.4	113	62.9x49.2	52	Incompatible	Incompatible	—	Lens Front Cover 27	DV40mm Limited Optional
SMC PENTAX-DA 40mm F2.8 Limited	—	39	4-5	2.2	0.4	113	63x45	89	○	○	PH-RRE49 Included	DA40/2.8 Limited	DV40mm Limited Included
SMC PENTAX-DA 50mm F1.8	—	31.5	5-6	2.2	0.45	115	63x38.5	122	○	○	PH-RAS2 Optional	O-1-C52	S70-70 Optional
SMC PENTAX-DA* 55mm F1.4 SDM	—	28.6	8-9	2.2	0.45	58	70.5x66	375	○	○	PH-RBE58 Included	O-1-C58	S90-100 Optional
SMC PENTAX-DA 70mm F2.4 Limited	—	23	5-6	2.2	0.7	112	63x26	131	○	○	PH-RRF49 Included	DA70/2.4 Limited	DV70mm Limited Included
SMC PENTAX-DA* 200mm F2.8 DIF [IF] SDM	12.5	8.1	8-9	2.2	1.2	77	83x134	825	○	○	PH-RBK77 Included	O-1-C77	S120-160 Included
SMC PENTAX-DA 300mm F2.8 DIF [IF] SDM	8.2	5.4	6-8	3.2	1.4	77	83x181	1,070	○	○	PH-RBK77 Included	O-1-C77	S120-210 Included
HD PENTAX-DA 560mm F5.6 ED AW	4.4	2.9	45	5.6	0.10	112	130.3x321.7	3,040	○	○	Hood built-in	Exclude (available on order)	Exclude (available on order)

(1) The following precaution should be taken when using the HD PENTAX DA AF REAR CONVERTER L4-AW. When mounted on a lens marked with a triangle (△), the center detection column; this converter may not provide accurate focus with a camera equipped with a contrast-detection AF system. When mounted on a lens marked with a circle (○), the converter's operation and cause operational failure. Avoid mounting such lenses.

* When mounted, this converter classifies down the lens's maximum aperture by one stop.

** When mounted, this converter may not provide accurate focus with the 3/7" contrast-detection AF system.

† This converter may not provide accurate focus with the 3/7" contrast-detection AF system.

‡ Camera compatible with AF operation: KP, K6II, K6, K52, K51, K60II, K60I, K60II, K60I, K6II, K6I, K61

§ The maximum aperture is set at F2.4.

¶ The lens hood must be attached to the lens when using the optional PH-RB58 lens hood. The lens hood must be mounted to use this cap.

‡ This lens cap can be used with the optional PH-RB58 lens hood.