

PENTAX lens

smc-DA

smc-DA 70mm Code No.	21620
Barcode	0027075124783

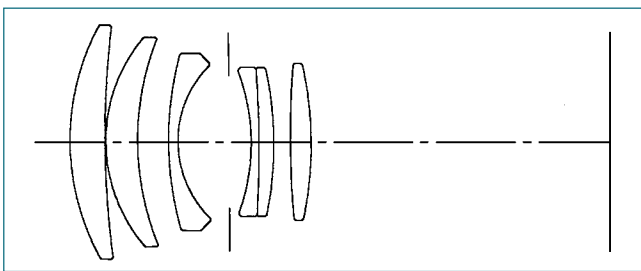
70mm f/2.4 AL Limited Edition



- > Compact and lightweight telephoto lens, optimal for portraiture, especially designed for digital SLRs and
- > Angle of coverage equivalent to 105mm in 35mm film format
- > High-quality materials (aluminium) underline the high image quality of this particularly flat lens
- > "Quick Shift Focus System" for quickly changing
- > SP coating – Nano technology based coating for dirt and dust protection



Exclusive lens elements and an outstanding finish distinguish the "Limited Edition" lenses. Highly efficient glass has made it possible to design this "short" telephoto with an overall length of only 26mm and weighing a mere 130g. It delivers unusually sharp and high-contrast images. The 70mm focal length makes it a multi-talented performer more than capable of delivering sparkling portraits or grandiose landscapes. This exceptional lens also features the "Quick Shift Focus System" for fast manual focusing in AF mode and the front lens element is treated with the unique PENTAX SP technology coating.



Lens	smc-DA 70mm f/2.4 AL Limited Edition
Lens mount	PENTAX K _{AF} bayonet, metal
Angle of view	68°
Construction	6 Elements/5 Groups
Aperture control	Fully automatic
Smallest aperture	f22
Metering method	TTL Open aperture metering
Focusing range	0.7m - ∞
Magnification	approx. 1:8.3 (0.12x)
Filter size	49mm

Standard accessories

Lens cap	Code No. 31519
Rear Cap	Code No. 31006
Soft bag	Code No. 37748

DEPTH OF FIELD TABLE

f = 70mm

F Metre	2.4	2.8	4.0	5.6	8.0	11.0	16.0	22.0
0.7	0.695 0.705	0.695 0.705	0.693 0.708	0.690 0.711	0.685 0.716	0.680 0.722	0.671 0.732	0.661 0.745
0.8	0.794 0.806	0.793 0.807	0.790 0.811	0.786 0.815	0.780 0.821	0.773 0.830	0.761 0.844	0.747 0.862
0.9	0.892 0.908	0.891 0.910	0.887 0.914	0.881 0.920	0.874 0.928	0.864 0.939	0.849 0.958	0.831 0.982
1.0	0.990 1.010	0.988 1.012	0.983 1.018	0.976 1.025	0.967 1.036	0.955 1.050	0.936 1.075	0.914 1.106
1.2	1.185 1.236	1.182 1.218	1.175 1.227	1.165 1.238	1.150 1.254	1.133 1.276	1.105 1.314	1.073 1.363
1.5	1.475 1.526	1.471 1.530	1.459 1.543	1.443 1.562	1.420 1.590	1.393 1.626	1.349 1.691	1.300 1.777
2.0	1.954 2.048	1.947 2.056	1.925 2.081	1.897 2.116	1.856 2.169	1.807 2.241	1.732 2.371	1.649 2.550
3.0	2.895 3.113	2.878 3.133	2.829 3.194	2.766 3.278	2.677 3.415	2.573 3.602	2.418 3.966	2.255 4.515
6.0	5.581 6.488	5.516 6.578	5.332 6.861	5.106 7.280	4.800 8.015	4.466 9.176	4.003 12.104	3.562 19.663
∞	77.192 ∞	66.174 ∞	46.341 ∞	33.120 ∞	23.203 ∞	16.893 ∞	11.634 ∞	8.479

Viewing angle smc-DA 70mm f/2.4 AL Limited Edition

■ Angle-of-view for digital cameras



15mm



16.5mm



21mm



25mm



43mm



55mm



70mm



105mm



140mm



200mm



300mm



600mm