

Focal Plane Lenses

	AF 28mm	AF 35mm	AF 45mm	AF 80mm	AF 120mm	MF 120mm	MF TS 120mm	AF 150mm	AF 75-150mm
Aperture Range	f/4.5 – f/32	f/3.5 – f/22	f/2.8 – f/22	f/2.8 – f/22	f/4.0 – f/32	f/4.0 – f/32	f/5.6 – f/22	f/2.8 – f/22	f/4.5 – f/32
Min. Focus Dist.	1.15 ft	1.15 ft	1.4 ft	2.3 ft	1.21 ft	1.3 ft	2.76 ft	3.3 ft	3.3 ft
Optical Construction	14 Elem. 10 Groups	9 Elements 5 Groups	9 Elements 7 Groups	6 Elements 5 Groups	9 Elements 8 Groups	9 Elements 8 Groups	6 Elements 4 Groups	8 Elements 7 Groups	11 Elements 10 Groups
Angle of View	102°	90°	74°	47°	32°	33°	8° Tilt, 12mm Shift 360° (2 Axes)	26°	50° - 26°
Max. Mag. Ratio	0.15 x	0.16 x	0.13 x	0.15 x	1.00 x	1.00 x	0.16 x	0.19 x	0.09 - 0.16 x
Area Covered	372x276 (mm)	359x266 (mm)	418x310 (mm)	377x279 (mm)	56 x 42 (mm)	56x42 (mm)	45 x 60 (mm)	295x218 (mm)	75mm: 545x409mm 150mm: 293x220mm
Focusing System	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Manual (dig. focus confirm.)	Manual	Auto/Manual	Auto/Manual
Filter	Sheet Filter Rear Mount	77 mm	67 mm	67 mm	72 mm	67 mm	104 mm	72 mm	77 mm
Lens Hood	Built-in	Bayonet	Bayonet	Bayonet	Metal Hood Bayonet	Built-in	Built-in	Bayonet	Bayonet
Flash Sync	1/125	1/125	1/125	1/125	1/125	1/125	1/125	1/125	1/125
Dim. (LxW)	5.35"x3.54"	2.4" x 3.3"	1.9" x 3"	2" x 3.2"	4.2" x 3.6"	4.4" x 3.25"	5.3" x 4.2"	4.7" x 3.3"	5.7" x 3.4"
Weight	1.9 lbs	1 lbs	1.1 lbs	0.7 lbs	2.12 lbs	1.8 lbs	2.1 lbs	1.7 lbs	2.5 lbs

*1/1600 sec. flash sync on leaf shutter lenses currently only available with Phase One IQ Series, IQ2 Series, P 65+ and P 40+ digital backs.

Leaf Shutter Lenses

	LS 28mm	LS 55mm	LS 80mm	LS 110mm	LS 150mm	LS 75-150mm	LS 240mm
Aperture Range	f/4.5 – f/32	f/2.58 – f/22	f/2.8 – f/22	f/2.8 – f/22	f/3.5 – f/32	f/2.8 – f/22 f/5.6 – f/22	f/4.5 – f/22
Min. Focus Dist.	1.15 ft	1.47 ft	2.3 ft	2.9 ft	4.92 ft	3.28 ft	5.58 ft
Optical Construction	14 Elem. 10 Groups	7 elements 6 groups	6 elements 5 groups	6 elements 5 groups	5 elements 5 groups	11 Elements 10 Groups	8 Elements 8 Groups
Angle of View	102.7°	64°	47°	29°	26°	50° - 26°	16.5°
Max. Mag. Ratio	0.15 x	0.18 x	0.15 x	0.16 x	0.12 x	0.09 - 0.164 x	0.17 x
Area Covered	372x276 (mm)	310x230 (mm)	279x377 (mm)	310x230 (mm)	377 x 279 (mm)	75mm: 545x409mm 150mm: 293x220mm	324x243 (mm)
Focusing System	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
Filter	Sheet Filter Rear/Ft Mnt	72 mm	72 mm	77 mm	72 mm	86 mm	86 mm
Lens Hood	Built-in	Bayonet	Bayonet	Bayonet	Metal / Bayonet	Bayonet	Bayonet
Flash Sync	Up to 1/1600*	Up to 1/1600*	Up to 1/1600*	Up to 1/1600*	Up to 1/1600*	Up to 1/1600*	Up to 1/1600*
Dim. (LxW)	3.5" x 5.5"	3" x 3.4"	2.5" x 3.4"	3.2" x 3.4"	3.4" x 3.4"	6.8" x 4.2"	6.7" x 4.1"
Weight	2.43 lbs	1.3 lbs	1.1 lbs	1.5 lbs	1.43 lbs	3.96 lbs	3.53 lbs

Focal Length Conversion Table

	AF 28mm	AF 35mm	AF 45mm	AF 80mm	AF 120mm	MF 120mm	MF TS 120mm	AF 150mm	AF 75-150mm	LS 28mm	LS 55mm	LS 80mm	LS 110mm	LS 150mm	LS 75-150mm	LS 240mm
IQ280, IQ260 IQ260 Achromatic IQ180, IQ160 P 65+	28	36	45	80	120	120	120	150	75-150	28	55	80	110	150	75-150	240
P 45+ Achromatic+	31	38	50	88	132	132	132	165	83-165	31	61	88	121	165	83-165	265
IQ140 P 40+, P 30+	36	46	59	104	156	156	156	195	98-195	36	72	104	143	195	98-195	312
35mm Equivalent	17	21	28	50	74	74	74	93	47-93	17	34	50	68	93	47-93	155



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