

	For 2/3" 3CCD 8.8 x 6.6 mm (B4 Mount)					For DIN Super 35 24 x 12.7 mm Bayer Array (PL mount)																				
			Best			Best (focal length 10-12mm)									Focal Length 14-18 mm											
Lens model	Fujinon HA 10X5.2		Zeiss Digi Prime T1,9/5 mm		Fujinon HAeF5 5mm	Zeiss/Arri Ultra Prime UP 10 mm/T2.1		Optex conv. of Zeiss 16mm Mk.2 Distagon Prime (may be hard to find)		SONY SCL-P11X15		Tokina AT-X PRO 11-16mm f/2.8 DX II with Sony Alpha to Sony FZ mount adapter	Arri/Zeiss Ultra Prime UP 12 mm/T2		Arri Carl Zeiss Distagon 12mm T2.1 Standard Prime	Schneider Cine-Xenar III T2.2/14mm	Focus Optics "Ruby" repackaged Nikon 14-24mm f/2.8		Arri/Zeiss Ultra Prime UP 14 mm/T1.9		Canon EF 14mm f/2.8L II USM		Voigtlaender 15mm F4.5 Aspherical M39 screw mount with adapter to Sony E7	Zeiss Compact Prime CP.2 15mm/T2.9 E	Zeiss SLR Distagon T* 2,8/15	Lens model
Maximum aperature (T stops)	T 2.2		T1.9		T 1.6	T 2.1		T 2.1		T 3		F 2.8	T2		T 2.1	T2.2	T 2.8		T1.9		F 2.8		F 4.5	T 2.9	T2.8	Maximum aperature (T stops)
Focal Length	5.2mm with 10X zoom		5mm		5mm	10mm		10.5mm		11-16mm		11-16mm	12mm		12mm	14mm	14mm		14mm				15mm	15mm	15mm	Focal Length
Front Lens Diameter	127mm		95mm			156mm				114mm		84mm	156mm		114mm	104mm	102mm		114mm		80mm			114 mm / 4.5"	103mm	Front Lens Diameter
Lens length (mount to front)	238mm		6.5" (164mm)		7.1 x 3.7" (180.5 x 95.0 mm)	143mm				112.3mm		89.2mm	140mm		140mm		138mm		112mm		94mm			86 mm / 3.39"	135mm	Lens length (mount to front)
Minimum Object Distance (MOD) from Image Plane	60 cm		20" (50cm)		20" (50cm)					35cm		30cm							22cm		.2m			0.3 m / 12"	0.25 m / 10"	Minimum Object Distance (MOD) from Image Plane
Mounting Flange	2/3" B4 Mount		2/3" B4 Mount		2/3" B4 Mount	PL mount		PL mount		Sony PL mount		Canon APS-C, Nikon APS-C, Sony Alpha	PL mount		PL mount	PL mount		PL mount		EF mount			M39	PL mount	F mount (ZF.2) or EF mount (ZE) available	Mounting Flange
Weight			3.1 lbs (1.4kg)		4.84 lb (2.2 kg)																645g			0.9 kg / 2.0 lbs		Weight
Horizontal Angle of View (on specific imager)	85° 21'		87°		87° 36'	100.2°						104-84° on APS-C	90.2°		90.2°	81.7°							77.3°	77.3°	Horizontal Angle of View (on specific imager)	
Vertical Angle of View	54°47'		55.8°		56° 39'																		45.9°	45.9°	Vertical Angle of View	
Lens metadata recorded										Y																Lens metadata recorded
Cost	\$38,657		\$9,100		\$35,975	\$33,110		\$6,500		\$7,000		\$530	\$24,760	\$23,100	\$ 9500 used		\$12,500							\$5,700	\$2,950	Cost
Available?	yes		yes		yes	No longer made \$13,500 used		probably (used)		yes	yes	New 7 months lead time. Probably available used. sales@visualproducts.com has new one on ebay		not sure available	Supposed to be the best 14mm lens							yes	yes	yes, had note from NAB that cheaper than CP prime because same glass, not cine style body	Available?	
Active Imager Width (mm)	8.8		8.8		8.8	24		24		24		24	24		24	24	24		24		26.2		24	24	24	Active Imager Width (mm)
Active Imager Height (mm)	6.6		6.6		6.6	12.7		12.7		12.7		12.7	12.7		12.7	12.7	12.7		12.7		13.8		12.7	12.7	12.7	Active Imager Height (mm)
Measurement point	Imager	Dome ~	Imager	Dome ~		Imager	Dome ~	Imager	Dome ~	Imager	Dome ~		Imager	Dome ~			Imager	Dome ~	Imager	Dome ~	Imager	Dome ~				Measurement point
Imager to dome distance (meters)	0.46		0.39			0.37		0.37		0.34			0.36				0.36		0.33		0.32					Imager to dome distance (meters)
Focus Distance d (meters)	1		0.9		1	0.85		0.85		0.8		1	0.8		1	1	0.8		0.8		0.75		1	1	1	Focus Distance d (meters)
Focal length f (mm)	5.2		5		5	10		10.5		11		11	12		12	14	14		14		14		15	15	15	Focal length f (mm)
Aperture N (f number)	2.2		2.5		1.6	4.5		4.8		5.6		2.8	6.7		2.1	2.2	9.5		9.5		10		4.5	2.9	2.8	Aperture N (f number)
Circle of confusion c (mm)	0.009		0.009		0.009	0.02		0.02		0.02		0.02	0.02		0.02	0.02	0.02		0.02		0.02		0.02	0.02	0.02	Circle of confusion c (mm)
Hyperfocal distance H (meters)	1.371	0.911	1.116	0.726	1.741	1.121	0.751	1.159	0.789	1.091	0.751	2.172	1.087	0.727	3.441	4.469	1.046	0.686	1.046	0.716	0.994	0.674	2.515	3.894	4.033	Hyperfocal distance H (meters)
Front Focus (meters)	0.577	0.117	0.497	0.107	0.634	0.481	0.111	0.488	0.118	0.460	0.120	0.682	0.459	0.099	0.773	0.815	0.452	0.092	0.452	0.122	0.426	0.106	0.713	0.794	0.799	Front Focus (mm)
Rear Focus (meters)	3.682	3.222	4.627	4.237	2.343	3.484	3.114	3.160	2.790	2.966	2.626	1.844	2.999	2.639	1.405	1.284	3.360	3.000	3.360	3.030	3.012	2.692	1.650	1.340	1.325	Rear Focus (mm)
DOF (Meters)	3.105		4.130		1.708	3.002		2.672		2.507		1.162	2.540		0.632	0.469	2.909		2.909		2.586		0.937	0.547	0.526	DOF (Meters)
Horizontal Angle of View	80.473		82.696		82.696	100.389		97.628		94.979		94.979	90.000		90.000	81.203	81.203		81.203		86.196		77.320	77.320	77.320	Horizontal Angle of View
Vertical Angle of View	64.800		66.850		66.850	64.831		62.328		59.993		59.993	55.773		55.773	48.795	48.795		48.795		52.473		45.889	45.889	45.889	Vertical Angle of View
Relative exposure (to Ikegami/Fujinon)	Baseline aperature area	4.39	0.72			0.88		0.86		0.69		0.57		0.39		0.39		0.35								

1/2 stop f/No.	0.7	0.84	1	1.2	1.4	2	2	2.4	2.8		3.3	4	4.8	5.6	6.7	8	9.5	11		13				16	19	22
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