

Features

- Wide-angle field of view between 50° to 190° Fisheye
- Low distortion (<4%)
- High image quality suitable for Multi-Megapixel CMOS/CCD sensors
- Extremely compact mechanical design



Description

Typical video-conferencing cameras require lenses with high image quality and large field of view (45° to 70°) with very low distortion. For high frame rates in low light situation, a lens with low f/# is required. Sunex has significant experience in providing lenses to major video-conferencing equipment suppliers. From high-end telepresence systems to high volume video phones, we offer lenses with advanced optical technology incorporating high-index materials and aspherical elements in various imager sizes. We also provide IR cut-off filters and optical low-pass filters as part of complete optical solution package. The following is a partial list of our video-conferencing lenses:

	Sunex PN	EFL (mm)	F/#	Resolution	Thread	Total track (mm)	Distortion	Horizontal Field Of View [deg]		
								1/2.5" format (5.7mm width)	1/3" format (4.8mm width)	1/4" format (3.6mm width)
Wide-Angle 50° - 80° Low Distortion	DSL208	15.2	2.0	1-2MP	M12	21.6	<4%	20	17	13
	DSL366	6.2	1.8	10MP	M12	35.0	<4%	49	42	32
	DSL945	5.5	2.5	10MP	M12	20.8	<4%	55	47	36
	DSL115	4.5	2.0	1-2MP	M12	26.5	<4%	65 [PF]	56	44
	DSL355	4.2	2.8	5MP	M12	35.8	<4%	68 [PF]	61	48
	DSL959	3.4	2.0	5MP	M12	20.3	<4%	70 [PF]	70	56
	DSL361*	2.3	1.8	5MP	M12	22.0	<4%	85 [PF]	85 [PF]	80
Wide-Angle >90°	DSL202	3.9	2.6	VGA	M12	20.4		87 [PF]	74	54
	DSL233	3.0	2.2	1MP	M12	15.0	-20 f-?	126 [PF]	104 [PF]	75
	DSL213	3.0	2.0	3MP	M12	17.8	-33 f-?	143 [PF]	106	74
	DSL329	3.0	1.8	10MP	M12	30.0	-11%	120 [PF]	99	71
	DSL322	2.4	2.0	1-2MP	M12	20.5		120 [PF]	120 [PF]	92
Full Fisheye >180°	DSL315	2.7	2.0	10MP	M12	33.3	-18 f-?	136	110	78
	DSL219	1.8	2.0	10MP	M12	27.2	-7.7 f-?	180 [PF]	160 [PF]	116
	DSL215	1.6	2.0	3MP	M12	20.7	f-?	185 [PF]	185 [PF]	135
	DSL217	1.3	1.8	3MP	M12	18.0	f-?	185 [PF]	185 [PF]	185 [PF]
	DSL216	1.3	2.0	5MP	M12	18.0	-13 f-?	187 [PF]	187 [PF]	187 [PF]
Miniature Lens	DSL756	3.8	2.8	1-2MP	M7	4.67	<4%	67	65	51
	DSL746	4.9	2.8	1-2MP	M8	6.40	<4%	60	52	40

[PF] indicates that the lens image circle may not, or is not intended to completely cover the sensor in this case

* Lens in development