

Long working distance, small field of view lenses (SWS FA series)

LS-FA-SWS series · Machine vision lenses · 85 models



Listed in front-adjust and rear-adjust versions, plus versions with an additional turning prism; magnification and working distance are given as adjustment ranges.

Models

Model	Focus adjustment	Total length TTL (mm)	Magnification (x)	Working distance (mm)	Max sensor size (dia. mm)	Max sensor size	Additional turning prism
LS-F-SWS01-410F	Front adjust	45	0.4~0.05	130~720	8.0(1/2")	-	-
LS-F-SWS015-200	Front adjust	35	0.45~0.055	88~550	8.0(1/2")	-	-
LS-F-SWS02-200	Front adjust	45	0.4~0.05	130~720	-	-	-
LS-F-SWS02-350	Front adjust	60	0.25~0.07	272~800	8.0(1/2")	-	-
LS-F-SWS02-650	Front adjust	75	0.51~0.15	283~800	8.0(1/2")	-	-
LS-F-SWS028-400	Front adjust	65	0.48~0.13	248~812	8.0(1/2")	-	-
LS-F-SWS03-110	Front adjust	40	0.61~0.07	71~430	8.0(1/2")	-	-
LS-F-SWS04-220	Front adjust	90	0.65~0.38	155~350	8.0(1/2")	-	-
LS-F-SWS045-300	Front adjust	80	0.45	300	-	-	-

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LS-F-SWS05-110	Front adjust	70	0.56~0.28	100~220	-	1/1.8"	-
LS-F-SWS05-115	Front adjust	85	0.58~0.37	115~139	8.0(1/2")	-	-
LS-F-SWS05-150	Front adjust	75	0.53~0.24	152~265	8.0(1/2")	-	-
LS-F-SWS05-200	Front adjust	80	0.69~0.3	165~340	8.0(1/2")	-	-
LS-F-SWS05-220	Front adjust	100	0.82~0.28	160~384	-	-	-
LS-F-SWS05-250N	Front adjust	75	0.76~0.142	186~795	8.0(1/2")	-	-
LS-F-SWS05-300	Front adjust	85	0.5	300	-	-	-
LS-F-SWS05-350	Front adjust	90	0.81~0.2	238~810	8.0(1/2")	-	-
LS-F-SWS05-420	Front adjust	100	0.76~0.25	295~810	8.0(1/2")	-	-
LS-F-SWS05-800	Front adjust	130	0.91~0.4	486~950	-	-	-
LS-F-SWS05X650P	Front adjust	90	0.59~0.38	570~805	8.0(1/2")	-	Yes
LS-F-SWS05X700P	Front adjust	90	0.5	700	-	-	Yes
LS-F-SWS05X800P	Front adjust	60	0.5	800	8.0(1/2")	-	Yes
LS-F-SWS07-420	Front adjust	105	1.15~0.36	293~790	8.0(1/2")	-	-
LS-F-SWS08-180	Front adjust	90	1.39~0.63	125~213	8.0(1/2")	-	-
LS-F-SWS08-200	Front adjust	85	1.02~0.19	164~703	-	-	-
LS-F-SWS08-55	Front adjust	80	0.81~0.74	49~65	8.0(1/2")	-	-
LS-F-SWS10-100	Front adjust	105	1.14~0.81	97~100	-	1/1.8"	-
LS-F-SWS10-110	Front adjust	95	1.39~0.88	100~118	-	-	-
LS-F-SWS10-150N	Front adjust	90	1.39~0.63	125~213	8.0(1/2")	-	-
LS-F-SWS10-165	Front adjust	85	1	165	-	-	-
LS-F-SWS10-200	Front adjust	130	1.1~0.72	190~242	8.0(1/2")	-	-
LS-F-SWS10-300	Front adjust	115	1.08~0.46	275~548	8.0(1/2")	-	-

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LS-F-SWS10-400	Front adjust	155	1	400	8.0(1/2")	-	-
LS-F-SWS10-700	Front adjust	180	1	700	8.0(1/2")	-	-
LS-F-SWS20-110	Front adjust	100	2.1~1.33	106~138	8.0(1/2")	-	-
LS-F-SWS20-150	Front adjust	175	2.3~1.83	148~156	-	-	-
LS-F-SWS20-200	Front adjust	140	2.13~1.35	198~258	8.0(1/2")	-	-
LS-F-SWS20-250	Front adjust	150	2.29~1.23	233~358	-	-	-
LS-F-SWS20-350	Front adjust	180	2.78~1.5	245~400	8.0(1/2")	-	-
LS-F-SWS20-55	Front adjust	70	2~1.37	54~61	8.0(1/2")	-	-
LS-F-SWS25-110	Front adjust	110	2.9~1.89	105~133	-	-	-
LS-F-SWS30-130	Front adjust	135	3.65~2.28	119~151	-	-	-
LS-F-SWS30-170	Front adjust	165	3.36~2.48	164~184	8.0(1/2")	-	-
LS-R-SWS0016-2750	Rear adjust	50	0.016	2750	8.0(1/2")	-	-
LS-R-SWS012X780P	Rear adjust	35	0.12	780	-	-	Yes
LS-R-SWS028X650	Rear adjust	85	0.32~0.21	505~830	8.0(1/2")	-	-
LS-R-SWS035X150	Rear adjust	70	0.58~0.32	97~220	8.0(1/2")	-	-
LS-R-SWS03X650	Rear adjust	150	0.33~0.31	620~790	-	-	-
LS-R-SWS05X110	Rear adjust	70	0.58~0.32	97~220	8.0(1/2")	-	-
LS-R-SWS05X130	Rear adjust	70	0.56~0.46	110~144	8.0(1/2")	-	-
LS-R-SWS05X400	Rear adjust	95	0.55~0.35	322~610	8.0(1/2")	-	-
LS-R-SWS05X600	Rear adjust	105	0.73~0.4	430~850	8.0(1/2")	-	-
LS-R-SWS05X650	Rear adjust	100	0.75~0.45	430~850	8.0(1/2")	-	-
LS-R-SWS05X650P	Rear adjust	35	0.5	650	-	-	Yes
LS-R-SWS05X700P	Rear adjust	35	0.5	700	-	-	Yes
LS-R-SWS05X800	Rear adjust	115	0.4~0.73	900~525	8.0(1/2")	-	-
LS-R-SWS05X800P	Rear adjust	35	0.45~0.55	1000~725	8.0(1/2")	-	Yes
LS-R-SWS065X800	Rear adjust	80	0.65	800	-	-	-
LS-R-SWS065X90	Rear adjust	80	0.85~0.46	75~115	8.0(1/2")	-	-

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LS-R-SWS1.2X170	Rear adjust	80	1.22~0.93	153~235	-	-	-
LS-R-SWS1X120	Rear adjust	80	1.01~1.2	121~104	8.0(1/2")	-	-
LS-R-SWS1X150	Rear adjust	75	1.07~0.831	133~195	8.0(1/2")	-	-
LS-R-SWS1X50	Rear adjust	85	1.19~0.84	45~61	8.0(1/2")	-	-
LS-R-SWS1X600	Rear adjust	140	1.6~0.71	380~840	8.0(1/2")	-	-
LS-R-SWS2X150	Rear adjust	100	2.3~1.33	134~242	8.0(1/2")	-	-
LS-R-SWS3.5X100	Rear adjust	125	3.7~3.2	105~95	8.0(1/2")	-	-
LS-R-SWS4X170	Rear adjust	170	3.76~4.1	189~160	-	-	-
LS-SWS0014X12000W-F	-	-	0.014	12000	8.0(1/2")	-	-
LS-SWS012X725W-R	-	-	0.12	725	8.0(1/2")	-	-
LS-SWS023X420W-F	-	-	0.23	420	8.0(1/2")	-	-
LS-SWS02X200W-FN	-	-	0.2	200	8.0(1/2")	-	-
LS-SWS02X400G	-	-	0.2	400	8.0(1/2")	-	-
LS-SWS05X1000W-R	-	-	0.5	1000	8.0(1/2")	-	-
LS-SWS05X115W-FN	-	-	0.5	115	8.0(1/2")	-	-
LS-SWS05X200W-FN	-	-	0.5	200	8.0(1/2")	-	-
LS-SWS05X350W-FN	-	-	0.5	350	8.0(1/2")	-	-
LS-SWS05X800W-R21	-	-	0.5	800	8.0(1/2")	-	-
LS-SWS085X70W-R	-	-	0.85	70	8.0(1/2")	-	-
LS-SWS08X200W-FC	-	-	0.8	200	8.0(1/2")	-	-
LS-SWS08X200W-FN	-	-	0.8	200	8.0(1/2")	-	-
LS-SWS08X60W-F	-	-	0.8	60	8.0(1/2")	-	-
LS-SWS10X110W-FN	-	-	1	110	8.0(1/2")	-	-
LS-SWS10X150W-F	-	-	1	150	8.0(1/2")	-	-
LS-SWS10X300W-FN	-	-	1	300	8.0(1/2")	-	-
LS-SWS10X380W-F	-	-	1	380	8.0(1/2")	-	-

Product views

