

High-quality telecentric lenses, 3rd version (SWH V3 series)

LS-TC-SWHV3 series · Telecentric lenses · 60 models



Common specifications

Max sensor size (dia. mm)	11.0(2/3")
Mount	C

Models

Model	Magnification (x)	Working distance (mm)	Image-side F/#	Object-side telecentricity (deg max)	Image-side distortion (% max)	Numerical aperture NA	Object-side resolution (μm)
LS-SWH10X108WCLV3	10.0	108±2	48	<0.16	<0.1	0.1	3.4
LS-SWH10X108WCV3	10	108±2	48	<0.16	<0.1	0.1	3.4
LS-SWH10X108WV3	10	108±2	48	<0.15	<0.1	0.1	3.4
LS-SWH10X63WCLV3	10	63±1	39.4	0.02	0.02	0.125	2.7
LS-SWH10X63WCV3	10	63±1	39.4	0.02	0.02	0.125	2.7
LS-SWH10X63WV3	10	63±1	39.4	0.02	0.02	0.125	2.7
LS-SWH75X108WV3	7.5	108±2	36	0.02	0.01	0.1	3.4
LS-SWH75X63WCV3-GDA	7.5	63±1	27.7	0.02	0.01	0.135	2.5
LS-SWH8X108WCLV3	8	108±2	38.3	<0.14	<0.1	0.1	3.4

Model	Magnification (x)	Working distance (mm)	Image-side F/#	Object-side telecentricity (deg max)	Image-side distortion (% max)	Numerical aperture NA	Object-side resolution (μm)
LS-SWH8X108WCV3	8	108±2	38.3	<0.14	<0.1	0.1	3.4
LS-SWH8X108WV3	8	108±2	38.3	<0.13	<0.1	0.1	3.4
LS-SWH8X63WCLV3	8	63±1	31.3	0.02	0.01	0.125	2.7
LS-SWH8X63WCV3	8	63±1	31.3	0.02	0.01	0.125	2.7
LS-SWH8X63WV3	8	63±1	31.3	0.02	0.01	0.125	2.7
LS-SWH5X108WV3	5	108±2	22.4	0.02	0.02	0.11276	3
LS-SWH6X108WCLV3	6	108±2	28.7	<0.12	<0.1	0.1	3.4
LS-SWH6X108WCV3	6	108±2	28.7	<0.12	<0.1	0.1	3.4
LS-SWH6X108WV3	6	108±2	28.7	<0.11	<0.1	0.1	3.4
LS-SWH6X63WCLV3	6	63±1	23.8	0.03	0.03	0.125	2.7
LS-SWH6X63WCV3	6	63±1	23.8	0.03	0.03	0.125	2.7
LS-SWH6X63WV3	6	63±1	23.8	0.03	0.03	0.125	2.7
LS-SWH4X108WCLV3	4	108±2	19.4	<0.10	<0.1	0.1	3.4
LS-SWH4X108WCV3	4	108±2	19.4	<0.10	<0.1	0.1	3.4
LS-SWH4X108WV3	4	108±2	19.4	<0.9	<0.1	0.1	3.4
LS-SWH4X63WCLV3	4	63±1	15.8	0.03	0.01	0.125	2.7
LS-SWH4X63WCV3	4	63±1	15.8	0.03	0.01	0.125	2.7
LS-SWH4X63WV3	4	63±1	15.8	0.03	0.01	0.125	2.7
LS-SWH3X108WCLV3	3	108±2	15	<0.8	<0.1	0.1	3.4
LS-SWH3X108WCV3	3	108±2	15	<0.8	<0.1	0.1	3.4
LS-SWH3X108WV3	3	108±2	15	<0.7	<0.1	0.1	3.4
LS-SWH3X63WCLV3	3	63±1	11.9	0.04	0.02	0.125	2.7
LS-SWH3X63WCV3	3	63±1	11.9	0.04	0.02	0.125	2.7
LS-SWH3X63WV3	3	63±1	11.9	0.04	0.02	0.125	2.7
LS-SWH25X108WCLV3	2.5	108±2	12.5	<0.6	<0.1	0.1	3.4
LS-SWH25X108WCV3	2.5	108±2	12.5	<0.6	<0.1	0.1	3.4
LS-SWH25X108WV3	2.5	108±2	12.5	<0.5	<0.1	0.1	3.4
LS-SWH25X63WCLV3	2.5	63±1	9.9	0.05	0.03	0.125	2.7

Model	Magnification (x)	Working distance (mm)	Image-side F/#	Object-side telecentricity (deg max)	Image-side distortion (% max)	Numerical aperture NA	Object-side resolution (μm)
LS-SWH25X63WCV3	2.5	63±1	9.9	0.05	0.03	0.125	2.7
LS-SWH25X63WV3	2.5	63±1	9.9	0.05	0.03	0.125	2.7
LS-SWH2X108WCLV3	2	108±2	10.5	0.04	0.02	0.09545	3.5
LS-SWH2X108WCV3	2	108±2	10.5	0.04	0.02	0.09545	3.5
LS-SWH2X108WV3	2	108±2	10.5	0.04	0.02	0.09545	3.5
LS-SWH2X63WCLV3	2	63±1	5.5	0.02	0.1	0.1	3.4
LS-SWH2X63WCV3	2	63±1	5.5	0.02	0.1	0.1	3.4
LS-SWH2X63WV3	2	63±1	5.5	0.02	0.1	0.1	3.4
LS-SWH15X108WCLV3	1.5	108±2	7.3	0.02	0.04	0.08538	3.9
LS-SWH15X108WCV3	1.5	108±2	7.3	0.02	0.04	0.08538	3.9
LS-SWH15X108WV3	1.5	108±2	7.3	0.02	0.04	0.08538	3.9
LS-SWH15X63WCLV3	1.5	63±1	7.5	0.03	0.04	0.1	3.4
LS-SWH15X63WCV3	1.5	63±1	7.5	0.03	0.04	0.1	3.4
LS-SWH15X63WV3	1.5	63±1	7.5	0.03	0.04	0.1	3.4
LS-SWH1X108WCLV3	1.0	108±2	7	0.05	0.04	0.0712	4.7
LS-SWH1X108WCV3	1	108±2	7	0.05	0.04	0.0712	4.7
LS-SWH1X108WV3	1.0	108±2	7	0.05	0.04	0.0712	4.7
LS-SWH1X63WCLV3	1	63±1	8	0.1	0.07	0.0625	5.4
LS-SWH1X63WCV3	1	63±1	8	0.1	0.07	0.0625	5.4
LS-SWH1X63WV3	1	63±1	8	0.1	0.07	0.0625	5.4
LS-SWH075X63WCLV3	0.75	63±1	6	0.22	0.05	0.0625	5.4
LS-SWH075X63WCV3	0.75	63±1	6	0.22	0.05	0.0625	5.4
LS-SWH075X63WV3	0.75	63±1	6	0.22	0.05	0.0625	5.4

More values per model (Object-side depth of field (mm), Image-side MTF30 (lp/mm), Front filter thread, Outer diameter O.D (mm), Total length TTL (mm), Notes) are on each product page.