

OVERVIEW VICOTAR® TELECENTRIC LENSES

On the following pages you will find an overview of our telecentric lenses with information on image scale, field of view, working distance and aperture.

For detailed information about the lenses, click on the respective lens type. You will be redirected to the corresponding product detail page.

... BI-TELECENTRIC MEASURING LENSES, PIXEL CLASS 9 MP

LENS TYPE	ORDER NUMBER	IMAGE SCALE	MAX. OBJECT FIELD DIAMETER	FIELD OF VIEW (in mm ²) FOR						WORKING DISTANCE (mm)	CAMERA DISTANCE (mm)	APERTURE
				1"	2/3"	1/1.8"	1/2"	1/3"	1/4"			
				12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²	4.8 x 3.6 mm ²	3.4 x 2.2 mm ²			
TOB11/11.0-80-V-WN	2-05-500	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	80	197.0	F6 – F22
TOB11/11.0-70-V-WN	2-05-501	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	70	197.0	F6 – F22
TOB11/11.0-60-V-WN	2-05-502	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	60	197.0	F6 – F22
TOB11/11.0-80-F6-WN	2-05-503	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	80	197.0	F6
TOB11/11.0-70-F6-WN	2-05-504	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	70	197.0	F6
TOB11/11.0-60-F6-WN	2-05-505	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	60	197.0	F6
TOB11/11.0-80-F10-WN	2-05-506	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	80	197.0	F10
TOB11/11.0-70-F10-WN	2-05-507	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	70	197.0	F10
TOB11/11.0-60-F10-WN	2-05-508	1	11.0		8.8 x 6.6	7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	60	197.0	F10
TOB22/11.0-120-V-WN	2-05-515	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	120	272.5	F6 – F22
TOB22/11.0-100-V-WN	2-05-516	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	100	257.5	F6 – F22

LENS TYPE	ORDER NUMBER	IMAG E SCALE	MAX. OBJECT FIELD DIA-METER	FIELD OF VIEW (in mm ²) FOR						WORKING DISTANCE (mm)	CAMERA DISTANCE (mm)	APERTUR E
				1"	2/3"	1 / 1.8"	1/2"	1/3"	1/4"			
				12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²	4.8 x 3.6 mm ²	3.4 x 2.2 mm ²			
TOB22/11.0-80-V-WN	2-05-517	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	80	242.5	F6 – F22
TOB22/11.0-60-V-WN	2-05-518	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	60	227.5	F6 – F22
TOB22/11.0-50-V-WN	2-05-519	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	50	220.5	F6 – F22
TOB22/11.0-120-F6-WN	2-05-520	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	120	272.5	F6
TOB22/11.0-100-F6-WN	2-05-521	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	100	257.5	F6
TOB22/11.0-80-F6-WN	2-05-522	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	80	242.5	F6
TOB22/11.0-60-F6-WN	2-05-523	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	60	227.5	F6
TOB22/11.0-50-F6-WN	2-05-524	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	50	220.5	F6
TOB22/11.0-120-F10-WN	2-05-525	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	120	272.5	F10
TOB22/11.0-100-F10-WN	2-05-526	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	100	257.5	F10
TOB22/11.0-80-F10-WN	2-05-527	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	80	242.5	F10
TOB22/11.0-60-F10-WN	2-05-528	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	60	227.5	F10
TOB22/11.0-50-F10-WN	2-05-529	0.5	22.0		17.6 x 13.2	14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	50	220.5	F10
TOB42/11.0-185-V-WN	2-05-600	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	185	417.0	F6 – F22
TOB42/11.0-165-V-WN	2-05-601	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	165	398.5	F6 – F22
TOB42/11.0-145-V-WN	2-05-602	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	145	379.5	F6 – F22
TOB42/11.0-185-F16-WN	2-05-603	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	185	417.0	F16
TOB42/11.0-165-F16-WN	2-05-604	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	165	398.5	F16
TOB42/11.0-145-F16-WN	2-05-605	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	145	379.5	F16
TOB42/11.0-185-F10-WN	2-05-606	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	185	417.0	F10
TOB42/11.0-165-F10-WN	2-05-607	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	165	398.5	F10
TOB42/11.0-145-F10-WN	2-05-608	0.26	42.0		33.5 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	145	379.5	F10

... BLUE VISION TELECENTRIC MEASURING LENSES. PIXEL CLASS 9 MP

LENS TYPE	ORDER NUMBER	IMAGE SCALE	MAX. OBJECT FIELD DIAMETER	FIELD OF VIEW (in mm ²) FOR						WORKING DISTANCE (mm)	CAMERA DISTANCE (mm)	APERTURE
				1"	2/3"	1/1.8"	1/2"	1/3"	1/4"			
				12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²	4.8 x 3.6 mm ²	3.4 x 2.2 mm ²			
TO18/4.1-100-V-BW	2-05-535	0.232	18.0						14.7 x 9.5	100	157.0	F6 - F22
TO18/6.0-95-V-BW	2-05-536	0.334	18.0					14.4 x 10.8	10.2 x 6.6	95	158.5	F8 - F22
TO18/9.0-85-V-BW	2-05-537	0.5	18.0			14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	85	160.0	F8 - F22
TO18/11.0-80-V-BW	2-05-538	0.616	18.0		14.3 x 10.7	11.5 x 8.8	10.4 x 7.8	7.8 x 5.8	5.5 x 3.6	80	162.5	F10 - F22
TO18/4.1-100-F6-BW-RF	2-05-539	0.232	18.0						14.7 x 9.5	100	157.0	F6
TO18/6.0-95-F8-BW-RF	2-05-540	0.334	18.0					14.4 x 10.8	10.2 x 6.6	95	158.5	F8
TO18/9.0-85-F10-BW-RF	2-05-541	0.5	18.0			14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	85	160.0	F10
TO18/11.0-80-F10-BW-RF	2-05-542	0.616	18.0		14.3 x 10.7	11.5 x 8.8	10.4 x 7.8	7.8 x 5.8	5.5 x 3.6	80	162.5	F10
TO18/4.1-100-F14-BW-RF	2-05-543	0.232	18.0						14.7 x 9.5	100	157.0	F14
TO18/6.0-95-F14-BW-RF	2-05-544	0.334	18.0					14.4 x 10.8	10.2 x 6.6	95	158.5	F14
TO18/9.0-85-F14-BW-RF	2-05-545	0.5	18.0			14.2 x 10.8	12.8 x 9.6	9.6 x 7.2	6.8 x 4.4	85	160.0	F14
TO18/11.0-80-F14-BW-RF	2-05-546	0.616	18.0		14.3 x 10.7	11.5 x 8.8	10.4 x 7.8	7.8 x 5.8	5.5 x 3.6	80	162.5	F14
TO30/4.3-100-V-BW	2-05-547	0.144	30.0						23.6 x 15.3	100	192.0	F8 - F22
TO30/6.0-100-V-BW	2-05-548	0.202	30.0					23.8 x 17.8	16.8 x 10.9	100	197.5	F8 - F22
TO30/9.1-85-V-BW	2-05-549	0.307	30.0			23.1 x 17.6	20.8 x 15.6	15.6 x 11.7	11.1 x 7.2	85	190.5	F8 - F22
TO30/11.1-80-V-BW	2-05-550	0.374	30.0		23.5 x 17.6	19.0 x 14.4	17.1 x 12.8	12.8 x 9.6	9.1 x 5.9	80	190.5	F10 - F22
TO30/4.3-100-F8-BW-RF	2-05-551	0.144	30.0						23.6 x 15.3	100	192.0	F8
TO30/6.0-100-F10-BW-RF	2-05-552	0.202	30.0					23.8 x 17.8	16.8 x 10.9	100	197.5	F10
TO30/9.1-85-F10-BW-RF	2-05-553	0.307	30.0			23.1 x 17.6	20.8 x 15.6	15.6 x 11.7	11.1 x 7.2	85	190.5	F10
TO30/11.1-80-F10-BW-RF	2-05-554	0.374	30.0		23.5 x 17.6	19.0 x 14.4	17.1 x 12.8	12.8 x 9.6	9.1 x 5.9	80	190.5	F10
TO30/4.3-100-F14-BW-RF	2-05-555	0.144	30.0						23.6 x 15.3	100	192.0	F14
TO30/6.0-100-F14-BW-RF	2-05-556	0.202	30.0					23.8 x 17.8	16.8 x 10.9	100	197.5	F14
TO30/9.1-85-F14-BW-RF	2-05-557	0.307	30.0			23.1 x 17.6	20.8 x 15.6	15.6 x 11.7	11.1 x 7.2	85	190.5	F14
TO30/11.1-80-F14-BW-RF	2-05-558	0.374	30.0		23.5 x 17.6	19.0 x 14.4	17.1 x 12.8	12.8 x 9.6	9.1 x 5.9	80	190.5	F14

LENS TYPE	ORDER NUMBER	IMAG E SCALE	MAX. OBJECT FIELD DI-AMETER	FIELD OF VIEW (in mm ²) FOR							WORK-ING DIS-TANCE (mm)	CAMERA DIS-TANCE (mm)	APERTU RE		
				Typ 35 mm	Typ DX	Typ 4/3 1,2"	1"	2/3"	1/1.8"	1/2"				1/3"	1/4"
				36.0 x 24.0 mm ²	23.7 x 15.6 mm ²	17.3 x 13.0 mm ²	12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²				4.8 x 3.6 mm ²	3.4 x 2.2 mm ²
TO42/16.0-120-V-BW	2-05-624	0.380	42.0				33.7 x 25.3	23.2 x 17.4	18.7 x 14.2	16.8 x 12.6	12.6 x 9.5	8.9 x 5.8	120	308.1	F8-F22
TO42/21.4-120-V-BW	2-05-626	0.510	42.0			33.9 x 25.5	25.1 x 18.8	17.3 x 12.9	13.9 x 10.6	12.5 x 9.4	9.4 x 7.1	6.7 x 4.3	120	330.0	F8-F22
TO42/28.3-100-V-BW*	2-05-627	0.674	42.0		35.2 x 23.1	25.7 x 19.3	19.0 x 14.2	13.1 x 9.8	10.5 x 8.0	9.5 x 7.1	7.1 x 5.3	5.0 x 3.3	100	308.0	F10-F22
TO44/6.2-150-V-BW	2-05-621	0.140	44.0								34.3 x 25.7	24.3 x 15.7	150	332.0	F6-F22
TO44/8.8-110-V-BW	2-05-622	0.200	44.0					35.5 x 27.0	32.0 x 24.0	24.0 x 18.0	17.0 x 11.0		110	291.4	F6-F22
TO44/11.0-110-V-BW	2-05-623	0.250	44.0				35.2 x 26.4	28.4 x 21.6	25.6 x 19.2	19.2 x 14.4	13.6 x 8.8		110	311.2	F8-F22
TO66/6.0-240-V-BW	2-05-682	0.091	66.0								52.7 x 39.6	37.4 x 24.2	240	412.5	F6-F22
TO66/9.0-210-V-BW	2-05-683	0.137	66.0					51.8 x 39.4	46.7 x 35.0	35.0 x 26.3	24.8 x 16.1		210	394.4	F8-F22
TO66/11.0-200-V-BW	2-05-684	0.167	66.0					52.7 x 39.5	42.5 x 32.3	38.3 x 28.7	28.7 x 21.6	20.4 x 13.2	200	389.7	F8-F22
TO66/16.0-160-V-BW	2-05-685	0.242	66.0				52.9 x 39.7	36.4 x 27.3	29.3 x 22.3	26.4 x 19.8	19.8 x 14.9	14.0 x 9.1	160	362.2	F8-F22
TO66/21.3-130-V-BW	2-05-686	0.321	66.0			53.9 x 40.5	39.9 x 29.9	27.4 x 20.6	22.1 x 16.8	19.9 x 15.0	15.0 x 11.2	10.6 x 6.9	130	345.0	F8-F22
TO66/28.5-120-V-BW*	2-05-687	0.431	66.0		55.0 x 36.2	40.1 x 30.2	29.7 x 22.3	20.4 x 15.3	16.5 x 12.5	14.8 x 11.1	11.1 x 8.4	7.9 x 5.1	120	324.7	F10-F22
TO88/6.0-290-V-BW	2-05-810	0.069	88.0								69.6 x 52.2	49.3 x 31.9	290	495.0	F6-F22
TO88/9.0-155-V-BW	2-05-811	0.103	88.0						68.9 x 52.4	62.1 x 46.6	46.6 x 35.0	33.0 x 21.4	155	360.9	F8-F22
TO88/11.0-140-V-BW	2-05-812	0.125	88.0					70.4 x 52.8	56.8 x 43.2	51.2 x 38.4	38.4 x 28.8	27.2 x 17.6	140	345.9	F6-F22
TO88/16.0-130-V-BW	2-05-813	0.182	88.0				70.3 x 52.7	48.4 x 36.3	39.0 x 29.7	35.2 x 26.4	26.4 x 19.8	18.7 x 12.1	130	354.9	F8-F22
TO88/21.5-140-V-BW	2-05-814	0.244	88.0		70.9 x 53.3		52.5 x 39.3	36.1 x 27.0	29.1 x 22.1	26.2 x 19.7	19.7 x 14.8	13.9 x 9.0	140	377.1	F8-F22
TO88/28.4-130-V-BW*	2-05-815	0.322	88.0		73.6 x 48.4	53.7 x 40.4	39.8 x 29.8	27.3 x 20.5	22.0 x 16.8	19.9 x 14.9	14.9 x 11.2	10.6 x 6.8	130	357.8	F10-F22
TO125/6.0-310-V-BW	2-05-850	0.049	125.0								98.0 x 73.5	69.4 x 44.9	310	600.0	F6-F22
TO125/9.0-220-V-BW	2-05-851	0.072	125.0						98.6 x 75.0	88.9 x 66.7	66.7 x 50.0	47.2 x 30.6	220	515.0	F6-F22
TO125/11.0-200-V-BW	2-05-852	0.088	125.0					100.0 x 75.0	80.7 x 61.4	72.7 x 54.5	54.5 x 40.9	38.6 x 25.0	200	515.0	F6-F22
TO125/16.0-190-V-BW	2-05-853	0.128	125.0				100.0 x 75.0	68.8 x 51.6	55.5 x 42.2	50.0 x 37.5	37.5 x 28.1	26.6 x 17.2	190	515.0	F6-F22
TO125/21.4-190-V-BW	2-05-854	0.171	125.0			101.2 x 76.0	74.9 x 56.1	51.5 x 38.6	41.5 x 31.6	37.4 x 28.1	28.1 x 21.1	19.9 x 12.9	190	530.0	F8-F22
TO125/28.5-190-V-BW*	2-05-855	0.227	125.0		104.4 x 68.7	76.2 x 57.3	56.4 x 42.3	38.8 x 29.1	31.3 x 23.8	28.2 x 21.1	21.1 x 15.9	15.0 x 9.7	190	521.3	F10-F22

*M42 connection

... M42 MAGNIFYING TELECENTRIC MICROSCOPE LENSES. PIXEL CLASS 30 MP

LENS TYPE	ORDER NUMBER	IMAGE SCALE	MAX. OBJECT FIELD DIAMETER	FIELD OF VIEW (in mm ²) FOR									WORKING DISTANCE (mm)	CAMERA DISTANCE (mm)	APERTURE
				Typ 35 mm	Typ DX	Typ 4/3 1,2"	1"	2/3"	1 / 1.8"	1/2"	1/3"	1/4"			
				36.0 x 24.0 mm ²	23.7 x 15.6 mm ²	17.3 x 13.0 mm ²	12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²	4.8 x 3.6 mm ²	3.4 x 2.2 mm ²			
TOM14.2/28.4-86-F12-WN	2-05-611	2.000	14.2	11.9 x 7.8	8.7 x 6.5	6.4 x 4.8	4.4 x 3.3	3.6 x 2.7	3.2 x 2.4	2.4 x 1.8	1.7 x 1.1	86	224.0	□	
TOM10.5/43.4-66-F20-WN	2-05-612	4.133	10.5	8.7 x 5.8	5.7 x 3.8	4.2 x 3.1	3.1 x 2.3	2.1 x 1.6	1.7 x 1.3	1.5 x 1.2	1.2 x 0.9	0.8 x 0.5	66	240.0	□
TOM8.7/43.4-64-F20-WN	2-05-613	4.990	8.7	7.2 x 4.8	4.7 x 3.1	3.5 x 2.6	2.6 x 1.9	1.8 x 1.3	1.4 x 1.1	1.3 x 1.0	1.0 x 0.7	0.7 x 0.4	64	280.0	□
TOM5.9/43.4-48-F22-WN	2-05-614	7.356	5.9	4.9 x 3.3	3.2 x 2.1	2.4 x 1.8	1.7 x 1.3	1.2 x 0.9	1.0 x 0.7	0.9 x 0.7	0.7 x 0.5	0.5 x 0.3	48	226.0	□
TOM4.5/43.4-48-F24-WN	2-05-615	9.644	4.5	3.7 x 2.5	2.5 x 1.6	1.8 x 1.3	1.3 x 1.0	0.9 x 0.7	0.7 x 0.6	0.7 x 0.5	0.5 x 0.4	0.4 x 0.2	48	275.0	□

... MAGNIFYING TELECENTRIC MEASURING LENSES

LENS TYPE	ORDER NUMBER	Pixel class	IMAGE SCALE	FIELD OF VIEW (in mm ²) FOR								WORKING DISTANCE (mm)	APER-TURE ADJUST-ABLE
				Typ DX	Typ 4/3 1,2"	1"	2/3"	1/1.8"	1/2"	1/3"	1/4"		
				23.7 x 15.6 mm ²	17.3 x 13.0 mm ²	12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²	4.8 x 3.6 mm ²	3.4 x 2.2 mm ²		
Telec. microscope-lens 10x	2-05-110		10		1.7 x 1.3	1.3 x 1.0	0.9 x 0.7	0.7 x 0.5	0.6 x 0.4	0.4 x 0.3	0.3 x 0.2	49.5	□
Telec. microscope-lens 5x	2-05-111		5.17		3.3 x 2.5	2.5 x 1.9	1.7 x 1.3	1.4 x 1.0	1.2 x 0.9	0.9 x 0.6	0.6 x 0.4	64	□
Telec. microscope-lens 3x	2-05-112		3.11		5.6 x 4.2	4.1 x 3.1	2.8 x 2.1	2.3 x 1.7	2.1 x 1.5	1.5 x 1.2	1.1 x 0.7	75.5	□
Telec. microscope-lens 1x	2-05-113		1.03		16.8 x 12.6	12.4 x 9.3	8.5 x 6.4	6.9 x 5.2	6.2 x 4.7	4.7 x 3.5	3.3 x 2.1	79	□
T10/9.7L	2-05-220		9.7		1.8 x 1.3	1.3 x 1.0	0.9 x 0.7	0.7 x 0.6	0.7 x 0.5	0.5 x 0.4	0.4 x 0.2	48	□
T10/7.4L	2-05-218		7.41		2.3 x 1.8	1.7 x 1.3	1.2 x 0.9	1.0 x 0.7	0.9 x 0.6	0.6 x 0.5	0.5 x 0.3	48.5	□
T24/3.0a	2-05-233	5 MP	2.957				3.0 x 2.2	2.4 x 1.8	2.2 x 1.6	1.6 x 1.2	1.1 x 0.7	30	■
T24/2.5a	2-05-234	5 MP	2.447				3.6 x 2.7	2.9 x 2.2	2.6 x 2.0	2.0 x 1.5	1.4 x 0.9	31.7	■
T24/2.0a	2-05-235	5 MP	1.966				4.5 x 3.4	3.6 x 2.7	3.3 x 2.4	2.4 x 1.8	1.7 x 1.1	34.4	■
T24/1.5a	2-05-236	5 MP	1.458						4.4 x 3.3	3.3 x 2.5	2.3 x 1.5	38.9	■
T43/1.4	2-05-239	5 MP	1.4		12.4 x 9.3	9.1 x 6.9	6.3 x 4.7	5.1 x 3.9	4.6 x 3.4	3.4 x 2.6	2.4 x 1.6	102	□
T45/5.0L	2-05-251	5 MP	5.0		3.5 x 2.6	2.6 x 1.9	1.8 x 1.3	1.4 x 1.1	1.1 x 1.0	1.0 x 0.7	0.7 x 0.4	64	□
T45/4.0L	2-05-252	5 MP	3.77		4.6 x 3.4	3.4 x 2.5	2.3 x 1.8	1.9 x 1.4	1.7 x 1.3	1.3 x 1.0	0.9 x 0.6	66.5	□
T45/2.0L	2-05-250	5 MP	2.0		8.7 x 6.5	6.4 x 4.8	4.4 x 3.3	3.6 x 2.7	3.2 x 2.4	2.4 x 1.8	1.7 x 1.1	77	□
T51/1.7	2-05-272	5 MP	1.728		10.0 x 7.5	7.4 x 5.6	5.1 x 3.8	4.1 x 3.1	3.7 x 2.8	2.8 x 2.1	2.0 x 1.3	49.3	■
T51/1.4	2-05-265	5 MP	1.382				6.4 x 4.8	5.1 x 3.9	4.6 x 3.5	3.5 x 2.6	2.5 x 1.6	28.56	■
T51/1.2	2-05-266	9 MP	1.195				7.4 x 5.5	5.9 x 4.5	5.4 x 4.0	4.0 x 3.0	2.8 x 1.8	34	■
T51/1.0	2-05-267	9 MP	0.995					7.1 x 5.4	6.4 x 4.8	4.8 x 3.6	3.4 x 2.2	42	■
T51/0.8	2-05-268	9 MP	0.891					8.0 x 6.1	7.2 x 5.4	5.4 x 4.0	3.8 x 2.5	52	■
T51/0.7	2-05-269	9 MP	0.685					10.4 x 7.9	9.3 x 7.0	7.0 x 5.3	5.0 x 3.2	63	■
T80/1.0L	2-05-270	3 MP	0.988				8.9 x 6.7	7.2 x 5.5	6.5 x 4.9	4.9 x 3.6	3.4 x 2.2	115	□

... DEMAGNIFYING TELECENTRIC MEASURING LENSES

LENS TYPE	ORDER NUMBER	Pixel class	IMAGE SCALE	FIELD OF VIEW (in mm ²) FOR								WORKING DISTANCE (mm)	APERTURE ADJUST-ABLE
				Typ DX	Typ 4/3 1,2"	1"	2/3"	1 / 1.8"	1/2"	1/3"	1/4"		
				23.7 x 15.6 mm ²	17.3 x 13.0 mm ²	12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²	4.8 x 3.6 mm ²	3.4 x 2.2 mm ²		
T107/0.83	2-05-287	5 MP	0.832		20.8 x 15.6	15.4 x 11.5	10.6 x 7.9	8.5 x 6.5	7.7 x 5.8	5.8 x 4.3	4.1 x 2.6	100	■
T125/0.7L	2-05-310	3 MP	0.713				12.3 x 9.3	10.0 x 7.6	9.0 x 6.7	6.7 x 5.0	4.8 x 3.1	197	□
T150/0.25	2-05-320	5 MP	0.238				37.0 x 27.7	29.8 x 22.7	26.9 x 20.2	20.2 x 15.1	14.3 x 9.2	109	■
T150/0.24L	2-05-319	5 MP	0.240				36.7 x 27.5	29.5 x 22.5	26.7 x 20.0	20.0 x 15.0	14.2 x 9.2	156	■
T150/0.19L	2-05-324	5 MP	0.185						34.6 x 25.9	25.9 x 19.5	18.4 x 11.9	302	■
T150/0.19	2-05-321	5 MP	0.188					37.7 x 28.7	34.0 x 25.5	25.5 x 19.1	18.0 x 11.7	112	■
T150/0.17L	2-05-323	5 MP	0.170						37.6 x 28.12	28.2 x 21.1	20.0 x 12.9	287	■
T150/0.14	2-05-322	5 MP	0.140							34.3 x 25.7	24.3 x 15.7	71	■
T151/0.44	2-05-327	3 MP	0.436		39.7 x 29.8	29.4 x 22.0	20.2 x 15.1	16.3 x 12.4	14.7 x 11.0	11.0 x 8.3	7.8 x 5.0	200	■
T151/0.39	2-05-326	3 MP	0.393			32.6 x 24.4	22.4 x 16.8	18.1 x 13.7	16.3 x 12.2	12.2 x 9.2	8.7 x 5.6	223	■
T151/0.30	2-05-325	5 MP	0.306				28.8 x 21.6	23.2 x 17.6	20.9 x 15.7	15.7 x 11.8	11.1 x 7.2	185	■
T151/0.26L	2-05-328	5 MP	0.258					27.5 x 20.9	24.8 x 18.6	18.6 x 14.0	13.2 x 8.5	277	■
T152/0.36	2-05-329	5 MP	0.359			35.7 x 26.7	24.5 x 18.4	19.8 x 15.0	17.8 x 13.4	13.4 x 10.0	9.5 x 6.1	110	■
T201/0.42	2-05-345	5 MP	0.418		41.4 x 31.1	30.6 x 23.0	21.1 x 15.8	17.0 x 12.9	15.3 x 11.5	11.5 x 8.6	8.1 x 5.3	210	■
T201/0.30	2-05-336	5 MP	0.309			41.5 x 31.1	28.5 x 21.4	23.0 x 17.5	20.7 x 15.5	15.5 x 11.7	11.0 x 7.1	157	■
T201/0.28L	2-05-335	5 MP	0.285				30.8 x 23.1	24.9 x 18.9	22.4 x 16.8	16.8 x 12.6	11.9 x 7.7	278	■
T201/0.26	2-05-337	5 MP	0.263				33.4 x 25.1	27.0 x 20.6	24.4 x 18.3	18.3 x 13.7	12.9 x 8.3	130	■
T201/0.19	2-05-334	5 MP	0.194				45.4 x 34.0	36.6 x 27.8	33.0 x 24.8	24.8 x 18.6	17.5 x 11.3	143	■
T201/0.19L	2-05-333	5 MP	0.192					36.9 x 28.1	33.3 x 24.9	24.9 x 18.7	17.7 x 11.4	284	■
T201/0.15	2-05-338	5 MP	0.149					47.6 x 36.2	42.9 x 32.2	32.2 x 24.1	22.8 x 14.7	136	■
T201/0.13L	2-05-332	5 MP	0.136							35.3 x 26.5	25.0 x 16.2	273	■
T201/0.12	2-05-339	5 MP	0.118							40.5 x 30.4	28.7 x 18.6	135	■
T240/0.27a	2-05-227	3 MP	0.274		63.1 x 47.4	46.7 x 35.0	32.1 x 24.01	25.9 x 19.7	23.4 x 17.5	17.5 x 13.1	12.4 x 8.0	287	■

LENS TYPE	ORDER NUMBER	Pixel class	IMAGE SCALE	FIELD OF VIEW (in mm ²) FOR								WORKING DISTANCE (mm)	APERTURE ADJUST-ABLE
				Typ DX	Typ 4/3 1,2"	1"	2/3"	1 / 1.8"	1/2"	1/3"	1/4"		
				23.7 x 15.6 mm ²	17.3 x 13.0 mm ²	12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²	4.8 x 3.6 mm ²	3.4 x 2.2 mm ²		
T240/0.18a	2-05-226	3 MP	0.173			74.0 x 55.5	50.9 x 38.2	41.0 x 31.2	37.0 x 27.7	27.7 x 20.8	19.7 x 12.7	202	■
T240/0.13a	2-05-223	5 MP	0.131				67.2 x 50.5	54.2 x 41.2	48.9 x 36.6	36.6 x 27.5	26.0 x 16.8	212.6	■
T240/0.10a	2-05-225	5 MP	0.103					68.8 x 52.3	62.0 x 46.5	46.5 x 34.8	32.9 x 21.3	195	■
T240/0.08a	2-05-224	5 MP	0.089							53.9 x 40.4	38.2 x 24.7	190	■
T360/0.19a	2-05-247	3 MP	0.189		91.5 x 68.8	67.7 x 50.8	46.6 x 34.9	37.6 x 28.6	33.9 x 25.4	25.4 x 19.0	18.0 x 11.6	355.5	■
T360/0.13a	2-05-246	5 MP	0.131			97.7 x 73.3	67.2 x 50.4	54.2 x 41.2	48.9 x 36.6	36.6 x 27.5	26.0 x 16.8	205	■
T360/0.09a	2-05-245	5 MP	0.089				98.8 x 74.1	79.7 x 60.6	71.8 x 53.9	53.9 x 40.4	38.2 x 24.7	265	■
T360/0.07a	2-05-244	5 MP	0.073					97.8 x 74.4	88.2 x 66.1	66.1 x 49.6	46.8 x 30.3	193.6	■

... TELECENTRIC WIDE FIELD LENSES

LENS TYPE	ORDER NUMBER	Pixel class	IMAGE SCALE	FIELD OF VIEW (in mm ²) FOR						WORKING DISTANCE (mm)	APERTURE ADJUST-ABLE	
				Typ 4/3 1,2"	1"	2/3"	1 / 1.8"	1/2"	1/3"			1/4"
				17.3 x 13.0 mm ²	12.8 x 9.6 mm ²	8.8 x 6.6 mm ²	7.1 x 5.4 mm ²	6.4 x 4.8 mm ²	4.8 x 3.6 mm ²			3.4 x 2.2 mm ²
TL371/0.03-B	2-05-366	3 MP	0.030			290.4 x 217.8	234.3 x 178.2	211.2 x 158.4	158.4 x 118.8	112.2 x 72.6	400	■
TL371/0.03-B-PG390	2-05-372	3 MP	0.030			290.4 x 217.8	234.3 x 178.2	211.2 x 158.4	158.4 x 118.8	112.2 x 72.6	400	■
TL371/0.03-IR	2-05-365	3 MP	0.030			290.4 x 217.8	234.3 x 178.2	211.2 x 158.4	158.4 x 118.8	112.2 x 72.6	400	■
TL371/0.03-IR-PG390	2-05-371	3 MP	0.030			290.4 x 217.8	234.3 x 178.2	211.2 x 158.4	158.4 x 118.8	112.2 x 72.6	400	■
TL371/0.03-R	2-05-364	3 MP	0.030			290.4 x 217.8	234.3 x 178.2	211.2 x 158.4	158.4 x 118.8	112.2 x 72.6	400	■
TL371/0.03-R-PG390	2-05-370	3 MP	0.030			290.4 x 217.8	234.3 x 178.2	211.2 x 158.4	158.4 x 118.8	112.2 x 72.6	400	■
TL371/0.03-SG390	2-05-369	3 MP	0.030			290.4 x 217.8	234.3 x 178.2	211.2 x 158.4	158.4 x 118.8	112.2 x 72.6	400	■