



# CCTV lenses



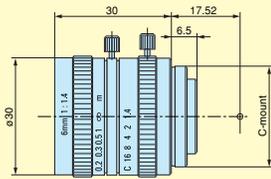
- A wide range of products from f=6mm to 100mm.
- Focus and iris are adjustable using attached locking screws.
- Camera mount: C mount

CCTV (Closed Circuit Television) lenses were developed to recognize images in a wide area. All models have an iris and focus adjustment that you can set as required with the included locking screws (\*1). Using optional close-up ring and converter lenses allows for macro photography. (\*2).

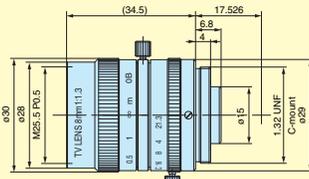
\*1 Not designed to be vibration proof.

\*2 Tolerances of lenses may increase and image quality may worsen as a result.

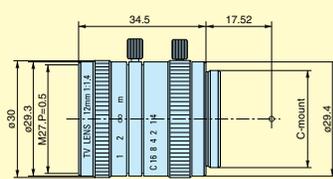
**ML-0614**



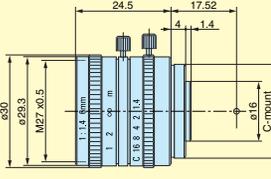
**ML-0813**



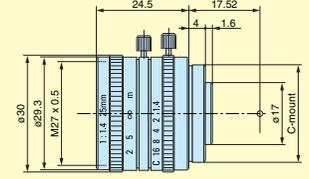
**ML-1214**



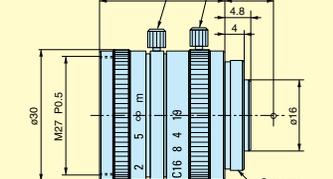
**ML-1614**



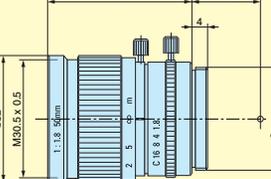
**ML-2514**



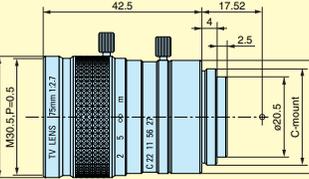
**ML-3519**



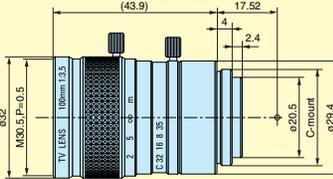
**ML-5018**



**ML-7527**



**ML-10035**



Model	Focal distance	Focus (Fno.)	Field of view (VxH)	Closest distance	Filter screw	Weight (g)	Largest compatible CCD	Mount	Commodity code
<b>ML-0614</b>	6mm	F1.4~Close	42.3° x 54.6°	0.2m	M27 P0.5	60g	1/2"	C-mount	A-0198
<b>ML-0813</b>	8mm	F1.3~Close	45.0° x 57.8°	0.2m	M25.5 P0.5	60g	2/3"	C-mount	A-0199
<b>ML-1214</b>	12mm	F1.4~Close	21.9° x 29.0°	0.3m	M27 P0.5	60g	1/2"	C-mount	A-0200
<b>ML-1614</b>	16mm	F1.4~Close	23.0° x 30.4°	0.4m	M27 P0.5	40g	2/3"	C-mount	A-0201
<b>ML-2514</b>	25mm	F1.4~Close	21.6° x 28.5°	0.5m	M27 P0.5	45g	1"	C-mount	A-0202
<b>ML-3519</b>	35mm	F1.9~Close	10.8° x 14.4°	0.5m	M27 P0.5	50g	2/3"	C-mount	A-0203
<b>ML-5018</b>	50mm	F1.8~Close	7.9° x 10.5°	1m	M30.5 P0.5	60g	2/3"	C-mount	A-0204
<b>ML-7527</b>	75mm	F2.7~Close	4.9° x 6.5°	1m	M30.5 P0.5	65g	2/3"	C-mount	A-0205
<b>ML-10035</b>	100mm	F3.5~Close	3.8° x 5.1°	1m	M30.5 P0.5	65g	2/3"	C-mount	A-0206



Field, WD, and magnification when a close-up ring is used

Close-up ring (mm)	ML-0614				ML-0813				ML-1214			
	Field of view(length x width)		WD (mm)	Magnification	Field of view(length x width)		WD (mm)	Magnification	Field of view(length x width)		WD (mm)	Magnification
	1/2"	1/3"			1/2"	1/3"			1/2"	1/3"		
0	165 x 221	124 x 165	200	0.03	96 x 128	72 x 96	148	0.05	103 x 137	77 x 103	248	0.05
0.5	44 x 58	33 x 44	43	0.11	43 x 57	32 x 43	59	0.11	55 x 73	41 x 55	125	0.09
	60 x 79	45 x 60	63	0.08	77 x 102	57 x 77	115	0.06	119 x 159	89 x 119	289	0.04
1	25 x 34	19 x 25	19	0.19	27 x 37	21 x 27	34	0.18	38 x 50	28 x 38	80	0.13
	30 x 40	22 x 30	25	0.16	38 x 51	29 x 38	52	0.13	59 x 79	45 x 59	136	0.08
1.5					20 x 27	15 x 20	22	0.24	29 x 38	21 x 29	57	0.17
					26 x 34	19 x 26	31	0.19	40 x 53	30 x 40	85	0.12
2									23 x 31	17 x 23	42	0.21
									30 x 40	22 x 30	59	0.16

Close-up ring (mm)	ML-1614				ML-2514				ML-3519			
	Field of view(length x width)		WD (mm)	Magnification	Field of view(length x width)		WD (mm)	Magnification	Field of view(length x width)		WD (mm)	Magnification
	1/2"	1/3"			1/2"	1/3"			1/2"	1/3"		
0	109 x 145	82 x 109	358	x0.04	87 x 115	65 x 87	458	x0.06	66 x 87	49 x 66	500	x0.07
0.5	64 x 86	48 x 64	206	x0.07	64 x 85	48 x 64	338	x0.08	55 x 73	41 x 55	422	x0.09
	156 x 208	117 x 156	515	x0.03	242 x 322	181 x 242	1270	x0.02	335 x 447	251 x 335	2459	x0.01
1	45 x 61	34 x 45	143	x0.11	50 x 67	38 x 50	269	x0.10	47 x 63	35 x 47	366	x0.10
	78 x 104	58 x 78	252	x0.06	121 x 161	91 x 121	637	x0.04	168 x 223	126 x 168	1240	x0.03
1.5	35 x 47	26 x 35	108	x0.14	42 x 56	31 x 42	223	x0.12	41 x 55	31 x 41	324	x0.12
	52 x 69	39 x 52	164	x0.09	81 x 107	60 x 81	425	x0.06	112 x 149	84 x 112	834	x0.04
2	29 x 38	22 x 29	86	x0.17	36 x 47	27 x 36	191	x0.13	37 x 49	28 x 37	291	x0.13
	39 x 52	29 x 39	120	x0.12	60 x 81	45 x 60	320	x0.08	84 x 112	63 x 84	631	x0.06
5	14 x 18	10 x 14	35	x0.35	19 x 25	14 x 19	103	x0.25	22 x 30	17 x 22	185	x0.22
	16 x 21	12 x 16	42	x0.31	24 x 32	18 x 24	130	x0.20	34 x 45	25 x 34	265	x0.14
10	7.3 x 9.7	5.4 x 7.3	14	x0.66	11 x 14	8.0 x 11	60	x0.45	13 x 18	10 x 13	121	x0.36
	7.8 x 10	5.8 x 7.8	15	x0.62	12 x 16	9.1 x 12	66	x0.40	17 x 22	13 x 17	143	x0.29
15					7.4 x 9.8	5.5 x 7.4	43	x0.65	9.5 x 13	7.2 x 9.5	93	x0.50
					8.1 x 11	6.0 x 8.1	45	x0.60	11 x 15	8.4 x 11	103	x0.43
20					5.6 x 7.5	4.2 x 5.6	34	x0.85	7.4 x 9.9	5.6 x 7.4	78	x0.65
					6.0 x 8.1	4.5 x 6.0	35	x0.79	8.4 x 11	6.3 x 8.4	82	x0.57
25									6.1 x 8.1	4.6 x 6.1	68	x0.79
									6.7 x 8.9	5.0 x 6.7	70	x0.72

Close-up ring (mm)	ML-5018				ML-7527				ML-10035			
	Field of view(length x width)		WD (mm)	Magnification	Field of view(length x width)		WD (mm)	Magnification	Field of view(length x width)		WD (mm)	Magnification
	1/2"	1/3"			1/2"	1/3"			1/2"	1/3"		
0	90 x 120	68 x 90	943	x0.05	60 x 80	45 x 60	1000	x0.08	46 x 62	35 x 46	1000	x0.10
1.5	57 x 76	43 x 57	610	x0.08								
	154 x 205	115 x 154	1577	x0.03								
2	51 x 67	38 x 51	548	x0.10	43 x 57	32 x 43	776	x0.11				
	115 x 154	86 x 115	1193	x0.04	184 x 246	138 x 184	3189	x0.03				
5	31 x 41	23 x 31	347	x0.16	30 x 40	23 x 30	607	x0.16	27 x 37	21 x 27	724	x0.18
	46 x 61	35 x 46	503	x0.10	74 x 98	55 x 74	1422	x0.07	95 x 127	71 x 95	2413	x0.05
10	18 x 25	14 x 18	226	x0.26	20 x 27	15 x 20	475	x0.24	19 x 26	15 x 19	609	x0.25
	23 x 31	17 x 23	273	x0.21	37 x 49	28 x 37	833	x0.13	48 x 63	36 x 48	1432	x0.10
15	13 x 18	10 x 13	174	x0.37	15 x 20	11 x 15	408	x0.32	15 x 20	11 x 15	546	x0.32
	15 x 21	12 x 15	196	x0.31	25 x 33	18 x 25	636	x0.20	32 x 42	24 x 32	1105	x0.15
20	10 x 14	7.7 x 10	145	x0.47	12 x 16	9 x 12	369	x0.40	12 x 16	9 x 12	505	x0.39
	12 x 15	8.6 x 12	158	x0.42	18 x 25	14 x 18	538	x0.26	24 x 32	18 x 24	941	x0.20
25	8.4 x 11	6.3 x 8.4	126	x0.57	10 x 14	7.6 x 10	342	x0.47	10 x 14	8 x 10	478	x0.46
	9.2 x 12	6.9 x 9.2	134	x0.52	15 x 20	11 x 15	479	x0.33	19 x 25	14 x 19	843	x0.25
30	7.1 x 9.4	5.3 x 7.1	113	x0.68	8.7 x 12	6.5 x 8.7	323	x0.55	9.0 x 12	6.7 x 9.0	458	x0.54
	7.7 x 10	5.8 x 7.7	119	x0.63	12 x 16	9.2 x 12	440	x0.39	16 x 21	12 x 16	778	x0.30
35	6.1 x 8.2	4.6 x 6.1	104	x0.78	7.6 x 10	5.7 x 7.6	309	x0.63	7.9 x 11	5.9 x 7.9	443	x0.61
	6.6 x 8.8	4.9 x 6.6	108	x0.73	11 x 14	7.9 x 11	412	x0.46	14 x 18	10 x 14	731	x0.35
40	5.4 x 7.2	4.1 x 5.4	97	x0.89	6.7 x 9.0	5.1 x 6.7	297	x0.71	7.1 x 9.4	5.3 x 7.1	430	x0.68
	5.8 x 7.7	4.3 x 5.8	100	x0.83	9.2 x 12	6.9 x 9.2	391	x0.52	12 x 16	8.9 x 12	696	x0.40
45					6.1 x 8.1	4.6 x 6.1	289	x0.79	6.4 x 8.5	4.8 x 6.4	421	x0.75
					8.2 x 11	6.1 x 8.2	375	x0.59	11 x 14	7.9 x 11	669	x0.45
50					5.5 x 7.4	4.1 x 5.5	281	x0.87	5.8 x 7.8	4.4 x 5.8	412	x0.82
					7.4 x 9.8	5.5 x 7.4	361	x0.65	9.5 x 13	7.1 x 9.5	647	x0.50
60									5.0 x 6.6	3.7 x 5.0	400	x0.97
									7.9 x 11	5.9 x 7.9	614	x0.61

- Indicated values are based on calculations and actual measurements may be different. Use the values as a reference.
- Products' accuracy is guaranteed only when themselves use them. Please note that WD, distortion, and image quality may vary when a close-up ring or other equipment is used because tolerances of lenses increase.

