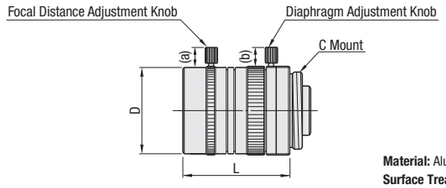
Mega-Pixel CCTV Lenses / Auto Extension Ring / Rear Converter / Camera Mounting Bolt

MCLV type is compatible with 1MP resolution cameras

Mega-Pixel CCTV Lenses – CCTV Lenses

RoHS 10

MLCV
LCV



Material: Aluminum (Body)
Surface Treatment: Black Anodize (Body)

Mega-pixel CCTV Lenses

Part Number Type	No.	Focal Distance	Diaphragm (FNO)	Most Optimal CCD	WD (Shooting Distance) (mm)	TV Distortion	Filter Screw Dia. (M x Pitch)	L	D	(a)	(b)	Weight g
MLCV	6	6	1.4–close	1/2 Inch	200–∞	-0.96%	30.5 x 0.5	37.5	32	5.8	5.6	65
	8	8	1.4–close	2/3 Inch	100–∞	-0.10%	30.5 x 0.5	28.2	33.5	4.7	4.5	63
	12	12	1.4–close	2/3 Inch	150–∞	-0.10%	30.5 x 0.5	28.2	33.5	4.7	4.5	62
	16	16	1.4–close	2/3 Inch	300–∞	-0.10%	30.5 x 0.5	28.2	33.5	5.8	5.6	60
	25	25	1.4–close	2/3 Inch	250–∞	-0.30%	25.5 x 0.5	31.5	29	5.8	5.6	45
	35	35	2.0–close	2/3 Inch	250–∞	-0.02%	25.5 x 0.5	38.5	29	5.8	5.6	55
	50	50	2.8–close	2/3 Inch	500–∞	-0.20%	25.5 x 0.5	38.5	29	5.8	5.6	55

CCTV Lenses

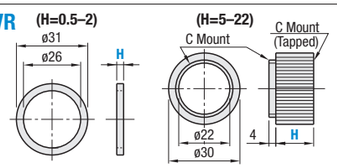
Part Number Type	No.	Focal Distance	Diaphragm (FNO)	Most Optimal CCD	WD (Shooting Distance) (mm)	TV Distortion	Filter Screw Dia. (M x Pitch)	L	D	(a)	(b)	Weight g
LCV	6	6	1.4–close	1/2 Inch	200–∞	-1.60%	27 x 0.5	30.0	30	5	5.3	60
	8	8	1.3–close	2/3 Inch	200–∞	-1.90%	25.5 x 0.5	34.5	29	5	5.3	60
	12	12	1.4–close	1/2 Inch	300–∞	-0.30%	27 x 0.5	34.5	30	5	5.3	60
	16	16	1.4–close	2/3 Inch	400–∞	-0.60%	27 x 0.5	24.5	30	5	5.3	40
	25	25	1.4–close	2/3 Inch	500–∞	-0.60%	27 x 0.5	24.5	30	5	5.3	45
	35	35	1.9–close	2/3 Inch	500–∞	0.08%	27 x 0.5	29.0	30	5	5.3	50
	50	50	1.8–close	2/3 Inch	1000–∞	0.20%	30.5 x 0.5	37.0	32	5	5.3	60

*(a)(b) dimensions are the reference height for when the knob is fixed. ⓘ Can be used for CCDs other than the most optimal CCD, but four corners of images may be slightly clipped (Vignetting).

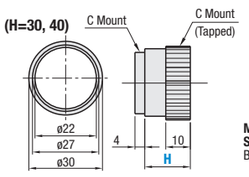
Auto Extension Ring

RoHS 10

LCVR (H=0.5–2)



(H=30, 40)



Material: Aluminum
Surface Treatment: Black Anodize

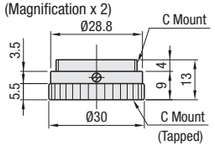
Part Number Type	H	Weight g
LCVR	0.5	0.25
	1	0.5
	2	1.0
	5	4.0
	7.5	6.0
	10	7.0
	15	11.5
	20	15.5
	22	17.0
	30	22.5
	40	30.5

ⓘ Use by putting it between the CCD camera and C mounting sides of all the lenses or the auto macro ring.
ⓘ The weight is theoretical value.

Rear Converter

RoHS 10

LRC (Magnification x 2)



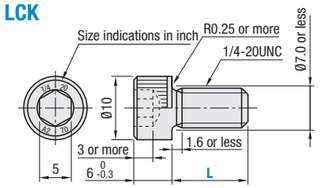
Material: Aluminum (Body)
Surface Treatment: Black Anodize (Body)

ⓘ Magnification can be increased without changing the shooting distance by attaching this lens between the lens and CCD camera (Magnification x2).
ⓘ The field of view becomes narrower (Refer to **P.2136** Table 1).
ⓘ Use by putting it between the CCD camera and C mounting sides of all the lenses or the macro ring.

Camera Mounting Bolt

RoHS 10

LCK



Material: SUSXM7
Surface Treatment: Passivation

Part Number	Length (L)
LCK8	8
LCK12	12

Part Number Example

Part Number
MLCV50
LCV12
LCVR10
LRC
LCK8

Caution: The size of hexagon socket is equivalent to M6.
When tightening, use hex wrench for M6.

CCTV Lens / Auto Extension Ring Mounting Conversion Chart

Field of View, Magnification & Shooting Distance When Mounting Auto Extension Ring

Mega-Pixel Lenses (MLCV)

Lens Focal Distance	MLCV6				MLCV8				MLCV12				MLCV16			
Auto Extension Ring (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)
0	171 x 229	129 x 171	96 x 129	201	66 x 88	49 x 66	37 x 49	102	67 x 89	50 x 67	38 x 50	151	94 x 125	71 x 94	53 x 71	299
0.5	43 x 58	32 x 43	24 x 32	41	30 x 41	23 x 30	17 x 23	51	42 x 56	32 x 42	24 x 32	90	59 x 78	44 x 59	33 x 44	180
	58 x 77	43 x 58	33 x 43	59	40 x 53	30 x 40	23 x 30	126	114 x 152	86 x 114	64 x 86	272	155 x 206	116 x 155	87 x 116	496
1	25 x 33	18 x 25	14 x 18	18	17 x 23	13 x 17	10 x 13	31	31 x 41	23 x 31	17 x 23	62	42 x 56	32 x 42	24 x 32	126
	29 x 38	22 x 29	16 x 22	23	20 x 27	15 x 20	11 x 15	57	58 x 77	43 x 58	33 x 43	128	76 x 102	57 x 76	43 x 57	240
1.5	17 x 23	13 x 17	10 x 13	8	19 x 25	14 x 19	11 x 14	21	24 x 32	18 x 24	14 x 18	46	33 x 44	25 x 33	19 x 25	96
	19 x 26	14 x 19	11 x 14	11	27 x 35	20 x 27	15 x 20	34	38 x 51	29 x 38	22 x 29	80	51 x 68	38 x 51	29 x 38	155
2	13 x 18	10 x 13	7 x 10	3	15 x 20	12 x 15	9 x 12	15	20 x 27	15 x 20	11 x 15	35	27 x 36	21 x 27	15 x 21	76
	14.4 x 19.2	10.8 x 14.4	8.1 x 10.8	5	20 x 27	15 x 20	11 x 15	22	29 x 38	22 x 29	16 x 22	56	38 x 51	29 x 38	22 x 29	112
5	—				—				10 x 13	7.4 x 10	5.5 x 7.4	9	13 x 18	10 x 13	7.4 x 10	29
	—				—				12 x 15	8.6 x 12	6.5 x 8.6	13	15 x 20	12 x 15	8.6 x 12	36
10	—				—				—				7 x 9	5.3 x 7	4.0 x 5.3	9
	—				—				—				8 x 10	5.8 x 8	4.3 x 5.8	10

Lens Focal Distance	MLCV25				MLCV35				MLCV50			
Auto Extension Ring (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)
0	48 x 63	36 x 48	27 x 36	242	32 x 43	24 x 32	18 x 24	244	42 x 57	32 x 42	24 x 32	499
0.5	40 x 53	30 x 40	22 x 30	201	29 x 39	22 x 29	17 x 22	224	39 x 52	29 x 39	22 x 29	463
	240 x 320	180 x 240	135 x 180	1235	343 x 457	257 x 343	193 x 257	2445	480 x 640	360 x 480	270 x 360	5032
1	34 x 45	26 x 34	19 x 26	172	27 x 36	20 x 27	15 x 20	207	36 x 48	27 x 36	20 x 27	433
	120 x 160	90 x 120	68 x 90	614	166 x 221	124 x 166	93 x 124	1221	240 x 320	180 x 240	135 x 180	2542
1.5	30 x 40	22 x 30	17 x 22	150	25 x 33	19 x 25	14 x 19	191	34 x 45	25 x 34	19 x 25	406
	80 x 107	60 x 80	45 x 60	407	112 x 149	84 x 112	63 x 84	813	160 x 213	120 x 160	90 x 120	1712
2	27 x 35	20 x 27	15 x 20	133	23 x 31	17 x 23	13 x 17	179	31 x 42	24 x 31	18 x 24	384
	60 x 80	45 x 60	40 x 45	303	84 x 112	63 x 84	47 x 63	609	120 x 160	90 x 120	68 x 90	1297
5	16 x 21	12 x 16	9 x 12	78	16 x 22	12 x 16	9 x 12	129	23 x 30	17 x 23	13 x 17	292
	24 x 32	18 x 24	13 x 18	117	34 x 45	25 x 34	19 x 25	242	48 x 64	36 x 48	27 x 36	550
10	10 x 13	7 x 10	5 x 7	45	11 x 15	8 x 11	6 x 8	90	15 x 20	12 x 15	9 x 12	216
	12 x 16	9 x 12	6.7 x 9	55	17 x 22	13 x 17	9.4 x 13	120	24 x 32	18 x 24	14 x 18	301
15	7 x 9	5 x 7	4 x 5	31	8 x 11	6 x 8	5 x 6	70	12 x 15	9 x 12	7 x 9	178
	8 x 10.6	6 x 8	4.5 x 6	34	11 x 15	8.4 x 11	6.3 x 8.4	79	16 x 21	12 x 16	9 x 12	218
20	5 x 7	4 x 5	3 x 4	23	7 x 9	5 x 7	4 x 5	58	9 x 12	7 x 9	5.3 x 7.0	154
	6 x 8	4.5 x 6	3.4 x 4.5	24	8.4 x 11	6.3 x 8.4	4.7 x 6.3	59	12 x 16	9 x 12	6.7 x 9	176
25	4.3 x 5.8	3.3 x 4.3	2.4 x 3.3	18	6 x 7	4 x 6	3 x 4	50	8 x 10	6 x 8	4.4 x 5.9	139
	4.8 x 6.4	3.6 x 4.8	2.7 x 3.6	18	6.7 x 9.0	5.0 x 6.7	3.8 x 5.0	46	10 x 13	7 x 10	5.4 x 7.2	151
30	3.7 x 4.9	2.8 x 3.7	2.1 x 2.8	14	4.8 x 6.4	3.6 x 4.8	2.7 x 3.6	44	7 x 9	5 x 7	3.8 x 5.0	127
	4.0 x 5.3	3.0 x 4.0	2.2 x 3.0	13	5.6 x 7.5	4.2 x 5.6	3.1 x 4.2	38	8 x 11	6 x 8	4.5 x 6.0	136
35	3.2 x 4.3	2.4 x 3.2	1.8 x 2.4	12	4.2 x 5.6	3.1 x 4.2	2.3 x 3.1	40	6 x 8	4 x 6	3.3 x 4.4	119
	3.4 x 4.6	2.6 x 3.4	1.9 x 2.6	10	4.8 x 6.4	3.6 x 4.8	2.7 x 3.6	32	7 x 9	5 x 7	3.9 x 5.1	123
40	—				3.7 x 5.0	2.8 x 3.7	2.1 x 2.8	36	5 x 7	4 x 5	3 x 4	112
					3.9 x 5.1	2.9 x 3.9	2.2 x 2.9	28	6 x 8	4 x 6	3.4 x 4.5	114
45	—				3.3 x 4.5	2.5 x 3.3	1.9 x 2.5	34	5 x 6	4 x 5	3 x 4	107
					3.7 x 5.0	2.8 x 3.7	2.1 x 2.8	25	5 x 7	4 x 5	3 x 4	107
50	—				3.0 x 4.1	2.3 x 3.0	1.7 x 2.3	31	4 x 6	3 x 4	2.4 x 3.2	102
					3.2 x 4.3	2.4 x 3.2	1.8 x 2.4	22	5 x 6	4 x 5	2.7 x 3.6	102

CCTV Lens (LCV)

Lens Focal Distance	LCV6				LCV8				LCV12				LCV16			
Auto Extension Ring (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)
0	165 x 221	124 x 165	93 x 124	200	96 x 128	72 x 96	54 x 72	148	103 x 137	77 x 103	54 x 77	248	109 x 145	82 x 109	66 x 82	358
0.5	44 x 58	33 x 44	25 x 33	43	43 x 57	32 x 43	24 x 32	59	55 x 73	41 x 55	31 x 41	125	64 x 86	48 x 64	36 x 48	206
	60 x 79	45 x 60	34 x 45	63	77 x 102	57 x 77	43 x 57	115	119 x 159	89 x 119	67 x 89	289	156 x 208	117 x 156	88 x 117	515
1	25 x 34	19 x 25	14 x 19	19	27 x 37	21 x 27	15 x 21	34	38 x 50	28 x 38	21 x 28	80	45 x 61	34 x 45	25 x 34	143
	30 x 40	22 x 30	17 x 22	25	38 x 51	29 x 38	21 x 29	52	59 x 79	45 x 59	34 x 45	136	78 x 104	58 x 78	45 x 58	252
1.5	—				20 x 27	15 x 20	11 x 15	22	29 x 38	21 x 29	16 x 21	57	35 x 47	26 x 35	19 x 26	108
					26 x 34	19 x 26	14 x 19	31	40 x 53	30 x 40	23 x 30	85	52 x 69	39 x 52	29 x 39	164
2	—				—				23 x 31	17 x 23	13 x 17	42	29 x 38	22 x 29	16 x 22	86
									30 x 40	22 x 30	17 x 22	59	39 x 52	29 x 39	22 x 29	120
5	—				—				—				14 x 18	10 x 14	7 x 10	35
													16 x 21	12 x 16	9 x 12	42
10	—				—				—				7.3 x 9.7	5.4 x 7.3	4.1 x 5.4	14
													7.8 x 10	5.8 x 7.8	4.3 x 5.8	15

Lens Focal Distance	LCV25				LCV35				LCV50			
Auto Extension Ring (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)	Field of View (Width x Length) 1/2"	1/3"	1/4"	WD (mm)
0	87 x 115	65 x 87	49 x 65	458	66 x 87	49 x 66	37 x 49	500	90 x 120	68 x 90	54 x 68	943
0.5	64 x 85	48 x 64	36 x 48	338	55 x 73	41 x 55	31 x 41	422	—			
	242 x 322	181 x 242	136 x 181	1270	335 x 447	251 x 335	193 x 251	2459				
1	50 x 67	38 x 50	27 x 38	269	47 x 63	35 x 47	26 x 35	366	—			
	121 x 161	91 x 121	68 x 91	637	168 x 223	126 x 168	96 x 126	1240				
1.5	42 x 56	31 x 42	24 x 31	223	41 x 55	31 x 41	23 x 31	324	57 x 76	43 x 57	33 x 43	610
	81 x 107	60 x 81	45 x 60	425	112 x 149	84 x 112	64 x 84	834	154 x 205	115 x 154	87 x 115	1577
2	36 x 47	27 x 36	20 x 27	191	37 x 49	28 x 37	21 x 28	291	51 x 67	38 x 51	29 x 38	548
	60 x 81	45 x 60	34 x 46	320	84 x 112	63 x 84	47 x 63	631	115 x 154	86 x 115	66 x 86	1193
5	19 x 25	14 x 19	11 x 14	103	22 x 30	17 x 22	12 x 17	185	31 x 41	23 x 31	17 x 23	347
	24 x 32	18 x 24	14 x 18	130	34 x 45	25 x 34	19 x 25	265	46 x 61	35 x 46	26 x 35	503
10	11 x 14	8.0 x 11	6.0 x 8.0	60	13 x 18	10 x 13	7.5 x 10	121	18 x 25	14 x 18	10 x 14	226
	12 x 16	9.1 x 12	6.8 x 9.1	66	17 x 22	13 x 17	9.3 x 13	143	23 x 31	17 x 23	13 x 17	273
15	7.4 x 9.8	5.5 x 7.4	4.2 x 5.5	43	9.5 x 13	7.2 x 9.5	5.4 x 7.2	93	13 x 18	10 x 13	7.3 x 10	174
	8.1 x 11	6.0 x 8.1	4.5 x 6.0	45	11 x 15	8.4 x 11	6.3 x 8.4	103	15 x 21	12 x 15	8.7 x 12	196
20	5.6 x 7.5	4.2 x 5.6	3.2 x 4.2	34	7.4 x 9.9	5.6 x 7.4	4.2 x 5.6	78	10 x 14	7.7 x 10	5.7 x 7.7	145
	6.0 x 8.1	4.5 x 6.0	3.4 x 4.5	35	8.4 x 11	6.3 x 8.4	4.7 x 6.3	82	12 x 15	8.6 x 12	6.4 x 8.6	158
25	—				6.1 x 8.1	4.6 x 6.1	3.5 x 4.6	68	8.4 x 11	6.3 x 8.4	4.7 x 6.3	126
					6.7 x 8.9	5.0 x 6.7	3.8 x 5.0	70	9.2 x 12	6.9 x 9.2	5.2 x 6.9	134
30	—				—				7.1 x 9.4	5.3 x 7.1	3.9 x 5.3	113
									7.7 x 10	5.8 x 7.7	4.3 x 5.8	119
35	—				—				6.1 x 8.2	4.6 x 6.1	3.5 x 4.6	104
									6.6 x 8.8	4.9 x 6.6	3.7 x 4.9	108
40	—				—				5.4 x 7.2	4.1 x 5.4	3.1 x 4.1	97
									5.8 x 7.7	4.3 x 5.8	2.2 x 4.3	100