

# MACHINE VISION LENSES

For Imaging Application



LMV series Machine Vision Lenses enable image capturing with high resolution CCD/CMOS cameras. These precision lenses are available in image format ranging from 1-inch to 1/3-inch. Every lens is equipped with locking screws on Focus and Iris rings.

For 2/3", 1/2" & 1/3" cameras					
					
	LMV0813	LMV1614	LMV2514L	LMV3514	LMV5018
Image Format	2/3"	2/3"	2/3"	2/3"	2/3"
Focal Length	8mm	16mm	25mm	35mm	50mm
Max. Aperture	F1.3	F1.4	F1.4	F1.4	F1.8
Angular View (H x V)	60°x 46°	30.7°x 23.2°	22°x 16.3°	14.3°x 10.8°	10.4°x 7.8°
Min.Object Distance	0.2m	0.4m	0.5m	0.8m	1.0m
Flange Back	17.526mm	17.526mm	17.526mm	17.526mm	17.526mm
Lens Mount	C-Mount	C-Mount	C-Mount	C-Mount	C-Mount
Filter Screw	M25.5 P=0.5	M27 P=0.5	M27 P=0.5	M30.5 P=0.5	M30.5 P=0.5
Dimensions (Dia x L)	29 x 34.5mm	30 x 24.5mm	30 x 24.5mm	35 x 37.5mm	32 x 37.3mm
Weight	52g	40g	40g	77g	55g

For 2/3", 1/2" & 1/3" cameras					
					
	LMV5028	LMV7527	LMV10035	LMV15054	LMV20072
Image Format	2/3"	2/3"	2/3"	2/3"	2/3"
Focal Length	50mm	75mm	100mm	150mm	200mm
Max. Aperture	F2.8	F2.7	F3.5	F5.4	F7.2
Angular View (H x V)	9.8°x 7.4°	6.4°x 4.9°	5°x 3.8°	3.5°x 2.6°	2.6°x 2°
Min.Object Distance	0.5m	1.0m	1.0m	1.0m	1.0m
Flange Back	17.526mm	17.526mm	17.526mm	17.526mm	17.526mm
Lens Mount	C-Mount	C-Mount	C-Mount	C-Mount	C-Mount
Filter Screw	M27 P=0.5	M30.5 P=0.5	M30.5 P=0.5	M30.5 P=0.5	M30.5 P=0.5
Dimensions (Dia x L)	30 x 31.4mm	32 x 42.5mm	32 x 44.2mm	32 x 60mm	32 x 67.5mm
Weight	47g	55g	59.5g	92g	100g

For 1/2" & 1/3" cameras			
			
	LMV413H	LMV614H	LMV1214H
Image Format	1/2"	1/2"	1/2"
Focal Length	4.8mm	6mm	12mm
Max. Aperture	F1.3	F1.4	F1.4
Angular View (H x V)	72°x 55°	50°x 36°	29°x 22°
Min.Object Distance	0.2m	0.2m	0.3m
Flange Back	17.526mm	17.526mm	17.526mm
Lens Mount	C-Mount	C-Mount	C-Mount
Filter Screw	M31.5 P=0.5	M27 P=0.5	M27 P=0.5
Dimensions (Dia x L)	33 x 48.5mm	30 x 30mm	30 x 34.5mm
Weight	86g	57g	56g

For other formats of cameras			
			
	LMV2514L	LMV213T	LMV414T
Image Format	1"	1/3"	1/3"
Focal Length	25mm	2.8mm	4.0mm
Max. Aperture	F1.4	F1.3	F1.4
Angular View (H x V)	29.2°x 21.8°	87.6°x 68.2°	63.9°x 49°
Min.Object Distance	0.5m	0.15m	0.2m
Flange Back	17.526mm	12.5mm	12.5mm
Lens Mount	C-Mount	CS-Mount	CS-Mount
Filter Screw	M27 P=0.5	M27 P=0.5	M27 P=0.5
Dimensions (Dia x L)	30 x 24.5mm	30 x 33mm	30 x 44.5mm
Weight	40g	58g	80g

Note:  
CS-mount lens can be used only on the CS-mount camera.  
With use of C-mount adapter(5mm thickness spacer),  
C-mount lens can also be used on CS-mount camera.