

STANDARD LENS PORTFOLIO

MORITEX
A Cognex Company

SR Series C-Mount Design

A vibration-resistant, compact designed lens for high-resolution sensors, up to 1.1" with a pixel size of 2.74 μm , along with an AR coating, transmitting visible to NIR (400–1000 nm).



Product ID	Focal Length	F No.	Max. Sensor Size	Pixel Size Resolving Power	Min. WD	Minimum Closest Magnification	Angle of View (H x V)	TV Distortion @ 500 mm	Filter Thread	Dimensions O.D. x Lens Tube Length (mm)	Weight (g)
LMC-ML-U0817SR	8 mm	f/1.7–f/16	1.1" (17.6 mm)	2.74 μm 150 lp/mm	100 mm	0.067	86.4° x 69.5°	<1.8%	M55 x 0.75	ø 58 x 77	244
LMC-ML-U1217SR	12 mm	f/1.7–f/16			100 mm	0.11	58.8° x 45.1°	<2.1%	M35.5 x 0.5	ø 39.5 x 65.5	200
LMC-ML-U1615SR	16 mm	f/1.5–f/16			100 mm	0.142	45.1° x 34.7°	<0.8%	M35.5 x 0.5	ø 39.5 x 67	182
LMC-ML-U2515SR	25 mm	f/1.5–f/16			100 mm	0.215	31.3° x 23.6°	<0.05%	M37 x 0.75	ø 42 x 67	211
LMC-ML-U3518SR	35 mm	f/1.8–f/16			195 mm	0.190	18.4° x 14°	<0.1%	M35.5 x 0.5	ø 39.5 x 54.5	120
LMC-ML-U5022SR	50 mm	f/2.2–f/16			300 mm	0.194	12° x 9°	<0.1%	M35.5 x 0.5	ø 39.5 x 58.5	140

UR Series C-Mount Design

A vibration resistant, compact designed lens for ultra high-resolution sensors, up to 2/3" with a pixel size of 2.2 μm , along with an AR coating, transmitting visible to NIR (400–1000 nm).



Product ID	Focal Length	F No.	Max. Sensor Size	Pixel Size Resolving Power	Min. WD	Minimum Closest Magnification	Angle of View (H x V)	TV Distortion @ 500 mm	Filter Thread	Dimensions O.D. x Lens Tube Length (mm)	Weight (g)
LMC-ML-M0625UR	6 mm	f/2.5–f/16	2/3" (11 mm)	2.2 μm 200 lp/mm	100 mm	0.053	75.7° x 62.7°	<2.8%	None	ø 29.5 x 50	70
LMC-ML-M0822UR	8 mm	f/2.2–f/16			100 mm	0.071	59.1° x 45.5°	<1.9%	M25.5 x 0.5	ø 29.5 x 37.8	60
LMC-ML-M1218UR	12 mm	f/1.8–f/16			150 mm	0.075	39.4° x 30°	<1.2%		ø 29.5 x 40.1	60
LMC-ML-M1616UR	16 mm	f/1.6–f/16			150 mm	0.095	29.2° x 22.4°	<0.5%		ø 29.5 x 37	50
LMC-ML-M2516UR	25 mm	f/1.6–f/16			150 mm	0.152	18° x 13°	<0.07%		ø 29.5 x 38.5	50
LMC-ML-M3520UR	35 mm	f/2.0–f/16			200 mm	0.167	12.6° x 9.76°	<0.1%		ø 29.5 x 38.2	50
LMC-ML-M5025UR	50 mm	f/2.5–f/16			300 mm	0.194	7.9° x 5.9°	<0.1%		ø 29.5 x 59.4	70