

S-MOUNT BOARD LENSES

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Lenses with a M12x0.5mm thread are officially called S-Mount lenses, though “M12 lenses”, “M12x0.5 lenses” or simply “board lenses” is more commonly used, as they are often used with board cameras. M12 Lenses are compact imaging lenses designed for use with many small format cameras. They are ideal for environments where space is limited. M12 Micro-Video Lenses are low cost alternatives to standard-sized imaging lenses.

Vision Datum M12 micro-video S-mount lenses, designed for use in the visible to near-infrared spectra or within harsh environments, are widely used for consumer and industrial security and scanning applications. Though compact in size, the multi-element all glass design offers optimum performance and high image quality.

PRODUCT FEATURES

1. Megapixel High Resolution Design
2. Optimized for 1/3” and 1/2” Sensors with Small Pixels
3. Multiple f/# Options for Performance
4. High Cost Performance

Subject to change without prior notice.

For latest specifications and availability, please contact our sales representatives or visit our website: www.visiondatum.com

1-2 Megapixels Board Lenses

Lineup										
Part name	Mount	EFL (mm)	Aperture (F/#)	Format (")	M.O.D. (m)	Back Focal (mm)	Angle of View (deg.)	Mpixel	Iris	Type
LEM-03618(i)-M12-MP	M12 × 0.5	3.6	F1.8	1/3"	0.2	6.59	100.2°×77°×54°	1-2MP	Fixed	Standard
LEM-04218(i)-M12-MP	M12 × 0.5	4.2	F1.8	1/3"	0.2	7.21	89°×71°×49.5°	1-2MP	Fixed	Standard
LEM-0618(i)-M12-MP	M12 × 0.5	6.0	F1.8	1/3"	0.2	8.57	60°×48°×34.5°	1-2MP	Fixed	Standard
LEM-0818(i)-M12-MP	M12 × 0.5	8.0	F1.8	1/3"	0.2	5.4	45°×35.5°×26°	1-2MP	Fixed	Standard
LEM-1218(i)-M12-MP	M12 × 0.5	12.0	F1.8	1/3"	0.2	6.54	28.4°×22.7°×17.2°	1-2MP	Fixed	Standard

3 Megapixels Board Lenses

Lineup										
Part name	Mount	EFL (mm)	Aperture (F/#)	Format (")	M.O.D. (m)	Back Focal (mm)	Angle of View (deg.)	Mpixel	Iris	Type
LEM-04518(i)-M12-MP3	M12 × 0.5	4.5	F1.8	1/1.8"	0.1	6.99	90°×78°×62°	3MP	Fixed	Standard
LEM-05518(i)-M12-MP3	M12 × 0.5	5.5	F1.8	1/1.8"	0.2	6.87	76°×64.5°×51°	3MP	Fixed	Standard
LEM-0818(i)-M12-MP3	M12 × 0.5	8.0	F1.8	1/1.8"	0.2	9.82	60°×50°×38°	3MP	Fixed	Standard
LEM-1218(i)-M12-MP3	M12 × 0.5	12.0	F1.8	1/1.8"	0.2	6.7	42°×33.6°×25.5°	3MP	Fixed	Standard
LEM-1618(i)-M12-MP3	M12 × 0.5	16.0	F1.8	1/2"	0.35	7.2	27.8°×22.3°×16.8°	3MP	Fixed	Standard
LEM-2524(i)-M12-MP3	M12 × 0.5	25.0	F2.4	1/2"	0.4	10.36	18°×14.3°×11°	3MP	Fixed	Standard
LEM-3525(i)-M12-MP3	M12 × 0.5	35.0	F2.5	1/2"	0.4	14.52	13.1°×11°×7.8°	3MP	Fixed	Standard
LEM-5025(i)-M12-MP3	M12 × 0.5	50.0	F2.5	1/2"	0.4	18.38	9.3°×7.3°×5.5°	3MP	Fixed	Standard

10 Megapixels Board Lenses

Lineup										
Part name	Mount	EFL (mm)	Aperture (F/#)	Format (")	M.O.D. (m)	Back Focal (mm)	Angle of View (deg.)	Mpixel	Iris	Type
LEM-05425(i)-M12-MP10	M12 × 0.5	5.4	F2.5	1/2.3"	0.2	6.6	70°×60°×46°	10MP	Fixed	Standard
LEM-07224(i)-M12-MP10	M12 × 0.5	7.2	F2.4	1/2.3"	0.3	7.23	57°×47°×37°	10MP	Fixed	Standard

Adapter

These lenses can connect to C/CS-Mount cameras using the M12 x 0.5 Adapter for C/CS-Mount Cameras

Product Type	Adapter
Material	Aluminum
Height (mm)	5.5
Diameter (mm)	31
Color	Black
Weight	6.4 g

