

BML-SERIES M12 (S-MOUNT) LENSES

KEY FEATURES

- Lenses for 1/3" up to 2/3" formats.
- Quality build and performance.
- Suitable for MP resolution applications.
- No iris, fixed aperture.
- No moving parts.
- IR corrected optics.
- IR cut versions available upon request.
- Varifocal options also available.
- Various adapters and mounts available.
- Available in kits for easy storage and use.

Bock Optronics offers a wide selection of quality M12 S-mount lenses well suited for a variety of applications such as:

- machine vision / FA
- robotics / UAV / UGV
- security / surveillance
- motion capture
- video conferencing
- and many more ...

Excellent for use with ultra compact cameras with M12 lens mounts, or with the use of adapters, can be used with C/CS-mount cameras, providing a compact high performance solution.

BML-130 series of lenses are a cost effective and suitable for general purpose imaging applications. All are IR corrected enabling them for extended spectrum use.



BML-130 SERIES	Focal Length	Relative Aperture	IR Corrected	Weight (g)	Back Focal Length (mm)	Horizontal Angle of View		Dimensions (Ø x L mm)
Standard - 1/3" Format, IR Corrected						1/4"	1/3"	
BML-130-01220	1.25mm	F2.0	Yes	16.4	n/a	185°	185°	25 x 28.6
BML-130-02118	2.1mm	F1.8	Yes	6.5	6.25	95°	130°	16 x 18.7
BML-130-02820	2.8mm	F2.0	Yes	6.6	5.29	73°	93°	14 x 15.3
BML-130-03618	3.6mm	F1.8	Yes	6.1	6.59	56°	77°	14 x 16.2
BML-130-04218	4.2mm	F1.8	Yes	6.2	7.21	42°	60°	14 x 15.8
BML-130-06018	6.0mm	F1.8	Yes	5.9	8.75	35°	48°	14 x 14.7
BML-130-08018	8.0mm	F1.8	Yes	6.5	5.4	26°	35.5°	14 x 17.2
BML-130-12018	12mm	F1.8	Yes	6.3	6.54	17°	22.7°	14 x 15.5
BML-130-16018	16mm	F1.8	Yes	6.1	6.59	12.5°	16.4°	14 x 15.8

* Due to the ongoing improvements, specifications are subject to change without notice.

BML-12x series of lenses are the most popular due to the larger image circle and wide range of focal lengths available. All are IR corrected enabling them for extended spectrum use.



BML-12x SERIES	Focal Length	Relative Aperture	IR Corrected	Weight (g)	Back Focal Length (mm)	Horizontal Angle of View			Dimensions (Ø x L mm)
Standard - 1/2.5", 1/2.3" and 1/2" Format, IR Corrected						1/4"	1/3"	1/2"	
BML-123-01520 (UFL)	1.12mm	F2.4	Yes	35	2.67	178°	~ 250°	~ 250°	40 x 27.9
BML-125-01520	1.55mm	F2.0	Yes	20.8	6.43	135.2°	185°	~ 185°	28 x 26.6
BML-125-02620	2.6mm	F2.0	Yes	6.6	7.04	63.2°	85.4°	123.2°	17 x 18.8
BML-125-03618	3.6mm	F1.8	Yes	6.5	7.73	48°	67.4°	93°	15 x 17.5
BML-120-04016	4.0mm	F1.6	Yes	5.5	7.47	43.6°	62°	92°	18 x 15.6
BML-123-05425	5.4mm	F2.5	Yes	6.5	6.60	33°	48°	60°	14 x 18.7
BML-120-06016	6.0mm	F1.6	Yes	6.5	8.73	30°	43.6°	65°	14 x 15.4
BML-120-08016	8.0mm	F1.6	Yes	6.1	5.40	22.6°	33.4°	48°	14 x 16.5
BML-120-12016	12mm	F1.6	Yes	6.1	6.54	15.2°	22.6°	31°	14 x 17.2
BML-120-16018	16mm	F1.8	Yes	6.5	7.21	11.4°	17.06°	22.3°	15 x 17.9
BML-120-25024	25mm	F2.4	Yes	7.1	10.26	7.3°	10.9°	14.3°	15 x 18.7
BML-120-35025	35mm	F2.5	Yes	15.5	14.49	5.3°	7.8°	11°	20 x 33.4
BML-120-50025	50mm	F2.5	Yes	34.5	18.63	3.6°	5.5°	6.2°	25 x 48.9

* Due to the ongoing improvements, specifications are subject to change without notice.

BML-118 and 230 series of lenses are ideal for larger format multi-megapixel sensors, providing excellent image quality across the image circle. All are IR corrected enabling them for extended spectrum use.



BML-118 / 230 SERIES	Focal Length	Relative Aperture	IR Corrected	Weight (g)	Back Focal Length (mm)	Horizontal Angle of View				Dimensions (Ø x L mm)
Standard - 1/1.8" and 2/3" Format, IR Corrected						1/3"	1/2"	1/1.8"	2/3"	
BML-118-02920	2.95mm	F2.0	Yes	15.2	5.82	93°	125°	138°	-	25 x 26
BML-118-04018	4.0mm	F1.8	Yes	21.3	8.0	69°	91.5°	101°	-	24 x 23.2
BML-118-05518	5.5mm	F1.8	Yes	15.7	6.87	47°	59°	55.3°	-	24 x 23.3
BML-118-08018	8.0mm	F1.8	Yes	37.1	9.55	32.5°	46°	47.2°	-	22 x 27
BML-118-12020	12mm	F2.0	Yes	7.2	6.74	22.7	30	33.6	-	15 x 19.2
BML-230-02020	2.0mm	F2.0	Yes	39	6.2	137°	195°	195°	195°	30.5 x 25.2

Varifocal Lenses


BML-VF series are ideal for applications where flexibility is required in selecting the ideal focal length. All are IR corrected enabling them for extended spectrum use.



VARIFOCAL LENSES	Focal Length	Relative Aperture	Image Format	Back Focal Length (mm)	M.O.D. (mm)	Angle of View (W ~ T) (H x V x D)	Dimensions (Ø x L mm)
BML-130-2406016-VF	2.4 ~ 6.0mm	F1.6	1/3"	6.21 ~ 10.49	100	112° x 80° x 150° 47° x 35° x 59°	32 x 35.8
BML-127-2806020-VF	2.8 ~ 6.0mm	F2.0	1/2.7"	4.27 ~ 6.95	100	100° x 75° x 128° 51° x 38.5° x 63.3°	21 x 16.25
BML-127-0550016-VF	5.0 ~ 50mm	F1.6	1/2.7"	6.46 ~ 13.90	300	49.5° x 27.7° x 58.6° 7.4° x 4.2° x 8.4°	30 x 57.7
BML-125-3312014-VF	3.3 ~ 12mm	F1.4	1/2.5"	6.49 ~ 13.94	100	93.5° x 68° x 117° 32° x 24° x 39°	30 x 32.1

M12 MOUNT ACCESSORIES		
APT-M12C	M12 to C-mount adapter	
APT-M12CS	M12 to CS-mount adapter	
BO-SMET-05	5.0mm extension tube, M12	
BO-SMET-06	6.0mm extension tube, M12	
BO-SMET-10	10mm extension tube, M12	
BO-LFLR	M12 lens focus lock ring	

* Due to the ongoing improvements, specifications are subject to change without notice.

LENS KITS		
BLK-130 Series	Includes nine 1/3" format lenses, C-mount adapter, CS-mount adapter, focus lock rings for all lenses, 5mm extension ring, 10mm extension ring, and storage case.	 <p>BLK-120 Lens Kit shown.</p>
BLK-120 Series	Includes twelve 1/2" format lenses, C-mount adapter, CS-mount adapter, focus lock rings for all lenses, 5mm extension ring, 10mm extension ring, and storage case.	
BLK-118 Series	Includes five 1/1.8" format lenses, C-mount adapter, CS-mount adapter, focus lock rings for all lenses, 5mm extension ring, 10mm extension ring, and storage case.	
BLK-CLK	Lens kit with all 1/3", 1/2" and 1/1.8" format lenses with focus lock rings, vari-focal zoom lenses, C-mount and CS-mount adapters, 5mm and 10mm extension rings.	
BLK-Custom	Bock Optronics can configure a lens kit per your requirements. Please contact us for more information.	

* Due to the ongoing improvements, specifications are subject to change without notice.

Looking for other miniature lens mount formats such as M7, M5 or other. Bock Optronics has a selection of lenses for these smaller formats. Please contact us for more information.