

Macro Varon Line Scan Lenses

The Macro Varon lenses, especially designed for the highest requirements of web and surface inspections, are the first choice for FPD and PCB inspection systems. These applications require line scan lenses with very high resolution in order to guarantee cost-efficient error detection in manufacturing and the associated quality assurance processes. The lenses are optimized for 12k and 16k line scan sensors. The special design feature of the Macro Varon is the innovative, continuous aberration suppression (CAS). This

ensures uniformly high imaging performance across the entire magnification range. A precise gear set continuously corrects minimal aberrations using floating elements – flexibly arrayed lenses inside the lens – and thus guarantees the exact observance of the focal length and optimal adjustment to the desired magnification setting. The alignment of the best azimuth position is also possible here via the V-mount interface.

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product	aperture (f)	recommended magnification range	length in mm	lens Ø max in mm	weight in grams	code no.
Macro Varon CAS 4.5/85	4.5 - 8	0.5X - 3.5X	48	48.5	270	1072517
Macro Varon with Beamsplitter	4.5	3.5x	79.5	75	410	1069837

Camera mount: V38-mount • Focal length (f): 85 mm • Image circle in mm / (Sensor): 62 • Resolution in Mpixel at max. sensor size: 16k Zeile / 3.5µ² • Filter thread: M 37 x 0.75



V-Mount-System Accessories

product	mount	stroke	length in mm	lens Ø max in mm	weight in grams	code no.
UNIFOC 12	V / V	12	17.4 - 29.4	47	45	11726
UNIFOC 7	V / V	7	20.0 - 27.0	44	27	1001041
UNIFOC 7/M58	V/M58x0.75	7	20.0 - 27.0	60	29	1054532
adjustable Adapter V / C-Mount	V / C-Mount	5	19.2 - 24.2	44	42	1011634
UNIFOC 100/77 D02	V / 4 x M3	102	136.0 - 238.0	77	782	1004157
Ext. Tube 6 mm	V / V		6	44	9	20176
Ext. Tube 8 mm	V / V		8	44	13	20177
Ext. Tube 10 mm	V / V		10	44	17	20178
Ext. Tube 25 mm	V / V		25	44	29	20179
Ext. Tube 50 mm	V / V		50	44	73	20154
Ext. Tube 75 mm	V / V		75	44	117	20155
Adapter V / C-Mount	V / C-Mount		6.5	44	33	20052
Adapter V / Leica (M39 x 26 Gg.)	V / Leica		6.5	44	27	20054
Adapter V / T2 (M42 x 0.75)	V / T2		6.5	44	28	20053
Adapter V / M42 x 1	V / M42 x 1		6.5	44	28	20059
Adapter V / M42 x 1	V / M42 x 1		35	44	38	1001692
Adapter V / M58 x 0.75	V / M58 x 0.75		10	60	20	1018385
Adapter V / Nikon F-Mount	V / F-Mount		9.3	59.6	55	21610