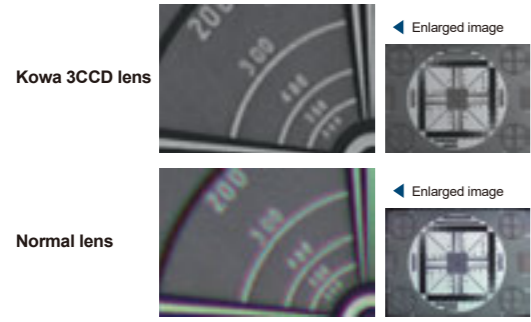


NC3 Series

- ▶ For megapixel applications
- ▶ Wide product range: 5 lenses in series
- ▶ For megapixel applications
- ▶ Low distortion
- ▶ Excellent corner brightness
- ▶ Low chromatic aberration

- ▶ 2 zoom ranges (6× and 10×)
- ▶ Excellent for pattern matching, measurement, inspection, and character recognition

Quality comparison between Kowa 3CCD lens and normal lens



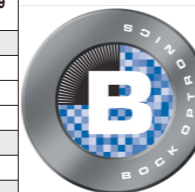
Model	LM4NC3	LM6NC3	LM12NC3	LM25NC3	LM50NC3
Focal Length(mm)	4	6	12	25	50
Image Size(mm)	7.2×5.4(Φ9)	7.2×5.4(Φ9)	7.2×5.4(Φ9)	7.2×5.4(Φ9)	7.2×5.4(Φ9)
Iris Range(F-stop)	F1.8-F16	F1.8-F16	F1.8-F16	F1.8-F16	F1.8-F16
Focusing Range(m)	0.1-∞	0.1-∞	0.15-∞	0.2-∞	0.3-∞
Control	Iris: Manual Focus: Manual	Iris: Manual Focus: Manual	Iris: Manual Focus: Manual	Iris: Manual Focus: Manual	Iris: Manual Focus: Manual
Shooting Range at M.O.D.(mm)	233.5(H)×163.4(V)	146.9(H)×107.2(V)	99.8(H)×74.0(V)	62.9(H)×57.0(V)	45.8(H)×34.3(V)
Angle of View	1/1.8 inch: 91.9×71.8 1/2 inch: 83.4×64.5 1/3 inch: 64.5×49.2	65.3×50.1 58.8×44.9 45.7×33.9	34.1×25.7 30.4×22.8 22.8×17.2	16.4×12.3 14.6×11.0 11.0×8.2	7.9×5.9 7.0×5.3 5.3×4.0
Resolution(Center, Corner)	120lp/mm, 100lp/mm	120lp/mm, 100lp/mm	120lp/mm, 100lp/mm	120lp/mm, 100lp/mm	120lp/mm, 100lp/mm
TV Distortion(%)	-5.0	-2.4	-1.2	-0.17	0.02
Back Focus in Air(mm)	14.7	15.2	15.2	15.0	21.2
Mount	C-mount	C-mount	C-mount	C-mount	C-mount
Filter Thread(mm)	M46×P0.75	M37.5×P0.5	M27×P0.5	M27×P0.5	M35.5×P0.5
Size(mm)	Φ48×68.7	Φ39×64.3	Φ30×58.5	Φ30×47	Φ40×66
Weight(g)	120	105	95	80	160
Temperature Range	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C

Model	LMZ50M	LMZ45T3
Magnification	inf-0.7×	inf-1.1×
Zoom Magnification	10×	6×
Image Size(mm)	4.8×3.6(Φ6)	8.8×6.6(Φ11)
Close up lens	3Dpt.un-installed	3Dpt.un-installed
Shooting Magnification	Inf-0.28×	Inf-0.72×
W.D (mm)	Inf-M.O.D=310	Inf-M.O.D=185
Iris Range(F-stop)	F2.5~Close	F2.5~Close
Object side N.A.	-	-
Image side N.A.	-	-
TV Distortion(%)	0.1	0.1
Angle of View(Degrees)	inf wide inf tele WD=185 wide WD=185 tele	27.3×20.5° 4.7×3.5° 67.0×50.1 11.7×9.0
2/3 inch	-	inf wide inf tele WD=185 wide WD=185 tele
1/2 inch	-	19.9×14.9° 3.4×2.6° 48.6×36.5 8.7×6.6
1/3 inch	inf wide inf tele WD=310 wide WD=310 tele	14.9×11.2° 2.6×2.0° 36.5×27.3 6.6×5.0
Mount	C-mount	C-mount
Control	Iris: Manual Focus: Manual Zoom: Manual	Iris: Manual Focus: Manual Zoom: Manual
Filter Thread(mm)	M48×P0.75	M52×P0.75
Size(mm)	Φ60×130	Φ62×171.7
Weight(g)	437	595
Temperature Range	-10°C~+50°C	-10°C~+50°C

Model	LMZ68M	LMZ69M
Focal Length(mm)	8-48(6×)	11.5-69(6×)
Image Size(mm)	6.4×4.8(Φ8)	8.8×6.6(Φ11)
Iris Range(F-stop)	F1.0~Close	F1.4~Close
Focusing Range(m)	1.0-∞	1.0-∞
(Macro)	0.01	0.01
Control	Iris: Manual Focus: Manual Zoom: Manual	Iris: Manual Focus: Manual Zoom: Manual
Angle of View(Degrees)	W43.6×33.4/T7.7×5.7	W41.9×32.0/T7.3×5.5
Mount	C-mount	C-mount
Filter Thread(mm)	M46×0.75	M46×0.75
Size(mm)	Φ50.5×92.8	Φ50.5×98.2
Weight(g)	280	300
Temperature Range	-10°C~+50°C	-10°C~+50°C

† Images may differ from the actual product.

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