



Quality of Light

FC SERIES

1.1" 12 MEGAPIXEL

High resolution machine vision lens
Large image size of $\Phi 17.6\text{mm}$ (C-mount)
Compact size
Kowa's wide-band multi-coating
High transmission from visible to NIR



1.1"	C-MOUNT
1"	LOW DISTORTION
2/3"	XD LENSES
FIXED FOCAL LENGTH	WIDE BAND MULTI-COATING
12 MEGA PIXEL	METAL BODY



LM6FC

LM8FC

LM12FC

LM16FC



6.5
mm



8.5
mm



12
mm



16
mm

LM25FC

LM35FC

LM50FC



25
mm



35
mm



50
mm

For Sony
IMX253 &
IMX304



Quality of Light

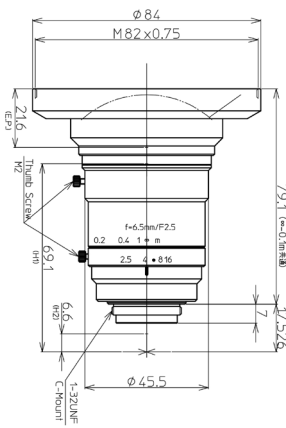
FC SERIES

1.1" 12 MEGA PIXEL

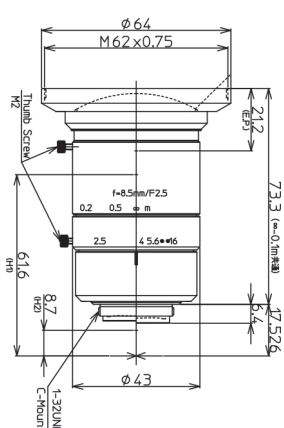
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Model		LM6FC	LM8FC	LM12FC	LM16FC	LM25FC	LM35FC	LM50FC
Focal Length(mm)		6.5	8.5	12	16	25	35	50
Image Size(mm)		14.1×10.6($\Phi 17.6$)	14.1×10.6($\Phi 17.6$)	14.1×10.6($\Phi 17.6$)	14.1×10.6($\Phi 17.6$)	14.1×10.6($\Phi 17.6$)	14.1×10.6($\Phi 17.6$)	14.1×10.6($\Phi 17.6$)
Iris Range(F-stop)		F2.5~F16	F2.5~F16	F1.8~F16	F1.8~F16	F1.8~F16	F1.8~F16	F1.8~F16
Focusing Range(m)		0.1~∞	0.1~∞	0.1~∞	0.1~∞	0.1~∞	0.2~∞	0.2~∞
Control	Iris	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Focus	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Field of view at M.O.D (mm)		256(H)×190(V)	184(H)×138(V)	135(H)×101(V)	102(H)×77(V)	64(H)×48(V)	84(H)×63(V)	59(H)×44(V)
Angle of View (Degrees)	1.1"	95.7×78.7	79.2×63.8	60.0×46.9	48.0×36.7	31.5×23.9	22.1×16.7	16.1×12.1
	1"	89.9×73.0	73.9×58.8	55.3×42.9	43.6×33.4	28.7×21.7	20.2×15.2	14.6×11.0
	2/3"	68.1×53.5	54.5×42.1	39.6×30.1	30.8×23.3	20.0×15.0	14.0×10.5	10.1×7.6
TV Distortion(%)		-1.51	0.55	0.26	-0.4	-0.3	0.01	-0.03
Back Focus in Air (mm)		10.9	12.9	14.5	11.9	13.3	15.5	14.8
Mount		C-mount	C-mount	C-mount	C-mount	C-mount	C-mount	C-mount
Filter Thread(mm)		M82×P0.75	M62×P0.75	M52×P0.75	M35.5×P0.5	M35.5×P0.5	M40.5×P0.5	M40.5×P0.5
Size(mm)		$\Phi 84 \times 79.1$	$\Phi 64 \times 73.3$	$\Phi 54 \times 73.8$	$\Phi 43 \times 65.7$	$\Phi 45 \times 69.4$	$\Phi 45 \times 66$	$\Phi 45 \times 74.5$
Resolution centre/corner		160lp/mm, 100lp/mm	160lp/mm, 100lp/mm	160lp/mm, 100lp/mm	160lp/mm, 100lp/mm	160lp/mm, 100lp/mm	160lp/mm, 100lp/mm	160lp/mm, 100lp/mm
Weight(g)		337	230	262	200	220	205	205
Temperature Range		-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C

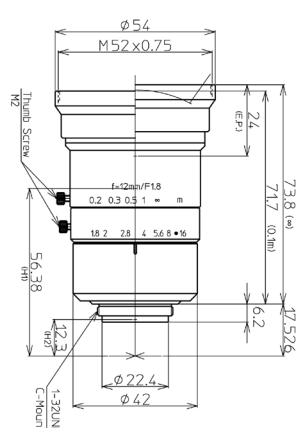
LM6FC



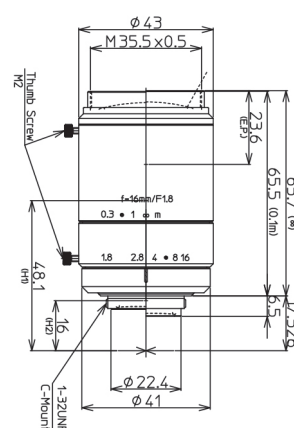
LM8FC



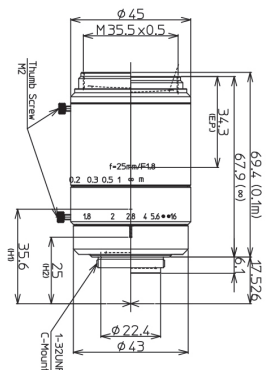
LM12FC



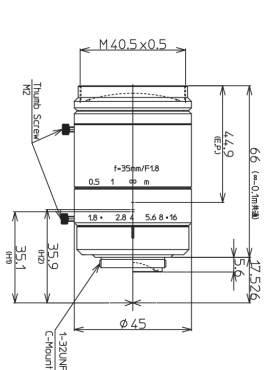
LM16FC



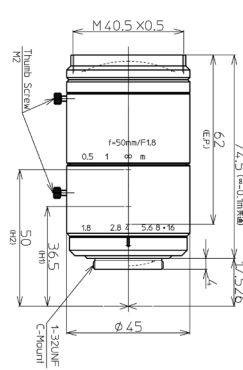
LM25FC



LM35FC



LM50FC



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