

## FA Industrial Lenses

# High Quality Megapixel Lenses for CCD Cameras

2018

Including  
new 1.1"  
12 MP



- ◆ Day & Night Varifocal Lenses
- ◆ Megapixel Varifocal Lenses
- ◆ High Resolution Varifocal Lenses
- ◆ Fixed focal Lenses
- ◆ 4 Megapixel Fixed Focal Lenses
- ◆ 5 Megapixel Fixed Focal Lenses
- ◆ 6 Megapixel Fixed focal Lenses
- ◆ 8 Megapixel Fixed Focal Lenses
- ◆ 10 Megapixel Fixed Focal Lenses
- ◆ 12 Megapixel Fixed focal Lenses
- ◆ 1" Ruggedized Megapixel Lenses
- ◆ Megapixel Fixed Focal Lenses
- ◆ Megapixel SWIR Fixed Focal Lenses
- ◆ High Resolution Fixed Focal Lenses
- ◆ Line Scan Lenses
- ◆ 3CCD Megapixel Lenses
- ◆ Telecentric Lens
- ◆ NF-Mount Lenses
- ◆ Manual Macro Zoom Lenses
- ◆ Large Format IR <Lenses

# FA LENS SPECIFICATION

Specifications are subject to change without notice.

## 4/3" 8 MEGAPIXEL

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM8XC	●	●	●	●	●	●	8.5	18.4×13.8(Φ23)	F2.8~F22	0.1~∞	C	93.5×77.1	0.12	Φ74×82.5	245	4
LM12XC	●	●	●	●	●	●	12	18.4×13.8(Φ23)	F2.0~F22	0.1~∞	C	74.9×59.6	0.59	Φ57×85	270	4
LM16XC	●	●	●	●	●	●	16	18.4×13.8(Φ23)	F2.0~F22	0.1~∞	C	60.6×47.2	0.02	Φ45×79.5	250	5
LM25XC	●	●	●	●	●	●	25	18.4×13.8(Φ23)	F2.0~F16	0.15~∞	C	40.9×31.1	-0.57	Φ45×89	255	5
LM35XC	●	●	●	●	●	●	35	18.4×13.8(Φ23)	F2.0~F16	0.2~∞	C	29.6×22.4	-0.17	Φ45×74	210	5
LM50XC	●	●	●	●	●	●	50	18.4×13.8(Φ23)	F2.0~F22	0.3~∞	C	20.6×15.7	0.80	Φ47×78	235	5

## 1.1" 12MEGAPIXEL

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
NEW LM8FC	●	●	●	●	●	●	8.5	14.1×10.6(Φ17.6)	F2.5~F16	0.1~∞	C	79.2×63.8	0.55	Φ64×73.3	230	6
NEW LM16FC	●	●	●	●	●	●	16	14.1×10.6(Φ17.6)	F1.8~F16	0.1~∞	C	48.0×36.7	-0.4	Φ43×65.7	200	7
NEW LM25FC	●	●	●	●	●	●	25	14.1×10.6(Φ17.6)	F1.8~F16	0.1~∞	C	31.5×23.9	-0.3	Φ45×69.4	220	7
NEW LM35FC	●	●	●	●	●	●	35	14.1×10.6(Φ17.6)	F2.0~F16	0.2~∞	C	22.1×16.7	0.01	Φ45×66	205	7

## 1" 6 MEGAPIXEL PLUS

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM12SC			●	●	●	●	12	12.8×9.6(Φ16)	F1.8~F16	0.1~∞	C	55.9×43.1	-0.55	Φ43×84	255	8
LM16SC			●	●	●	●	16	12.8×9.6(Φ16)	F1.8~F16	0.1~∞	C	44.0×33.6	0.02	Φ43×80	240	9
LM25SC			●	●	●	●	25	12.8×9.6(Φ16)	F1.8~F16	0.15~∞	C	28.9×21.8	-0.34	Φ43×89	245	9
LM35SC			●	●	●	●	35	12.8×9.6(Φ16)	F2.0~F16	0.2~∞	C	20.8×15.6	0.02	Φ43×74	200	9
LM50SC			●	●	●	●	50	12.8×9.6(Φ16)	F2.0~F16	0.3~∞	C	14.6×11.0	0.30	Φ43×78.5	210	9

## 1" MEGAPIXEL

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM6HC			●	●	●	●	6	12.8×9.6(Φ16)	F1.8~F16	0.1~∞	C	96.8×79.4	-0.2	Φ54×56.2	215	10
LM8HC			●	●	●	●	8	12.8×9.6(Φ16)	F1.4~F16	0.1~∞	C	79.4×63.0	-1.2	Φ57×58	205	10
LM12HC			●	●	●	●	12.5	12.8×9.6(Φ16)	F1.4~F16	0.3~∞	C	55.6×42.5	-1.58	Φ43×51.5	160	10
LM16HC			●	●	●	●	16	12.8×9.6(Φ16)	F1.4~F16	0.3~∞	C	44.3×33.6	-1.0	Φ43×52.9	150	10
LM25HC			●	●	●	●	25	12.8×9.6(Φ16)	F1.4~F16	0.3~∞	C	29.3×22.0	-1.0	Φ43×43	135	11
LM35HC			●	●	●	●	35	12.8×9.6(Φ16)	F1.4~F16	0.3~∞	C	20.9×15.8	-0.5	Φ43×43	135	11
LM50HC			●	●	●	●	50	12.8×9.6(Φ16)	F1.4~F16	0.5~∞	C	14.5×10.8	0.05	Φ49×48	210	11
LM75HC			●	●	●	●	75	12.8×9.6(Φ16)	F1.8~F16	1.0~∞	C	9.7×7.3	-0.2	Φ49×57	195	11

## 1" RUGGEDIZED MEGAPIXEL

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM8HC-V			●	●	●	●	8	12.8×9.6(Φ16)	F1.4/2.8/4/8	0.1~∞	C	79.7×63.0	-1.2	Φ58×58	183	13
LM12HC-V			●	●	●	●	12.5	12.8×9.6(Φ16)	F1.4/2.8/4/8	0.3~∞	C	55.6×42.5	-1.58	Φ44×51.5	130	13
LM16HC-V			●	●	●	●	16	12.8×9.6(Φ16)	F1.4/2.8/4/8	0.3~∞	C	44.3×33.6	-1.0	Φ44×53	120	13
LM25HC-V			●	●	●	●	25	12.8×9.6(Φ16)	F1.4/2.8/4/8	0.3~∞	C	29.3×22.0	-1.0	Φ43×43	104	13
LM35HC-V			●	●	●	●	35	12.8×9.6(Φ16)	F1.4/2.8/4/8	0.3~∞	C	20.9×15.8	-0.5	Φ46×44.1	133	13
LM50HC-V			●	●	●	●	50	12.8×9.6(Φ16)	F1.4/2.8/4/8	0.5~∞	C	14.5×10.8	0.05	Φ50×48	170	13

## 2/3" 10 MEGAPIXEL

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM5JC10M				●	●	●	5	8.8×6.6(Φ11)	F1.8~F16	0.1~∞	C	82.2×66.5	-0.33	Φ48×59.4	120	14
LM8JC10M				●	●	●	8.5	8.8×6.6(Φ11)	F1.8~F22	0.1~∞	C	54.0×41.9	0.31	Φ36×56	115	15
LM12JC10M				●	●	●	12	8.8×6.6(Φ11)	F1.8~F11	0.1~∞	C	39.1×29.8	-0.12	Φ33×53.5	105	15
LM16JC10M				●	●	●	16	8.8×6.6(Φ11)	F1.8~F16	0.1~∞	C	30.0×22.7	-0.20	Φ33×50	90	15
LM25JC10M				●	●	●	25	8.8×6.6(Φ11)	F1.8~F16	0.1~∞	C	20.0×15.1	-0.09	Φ33×45.5	95	15
LM35JC10M				●	●	●	35	8.8×6.6(Φ11)	F2.0~F16	0.1~∞	C	14.3×10.8	0.05	Φ43×49	160	15
LM50JC10M				●	●	●	50	8.8×6.6(Φ11)	F2.8~F16	0.1~∞	C	10.1×7.6	-0.02	Φ38×77	170	15

## 2/3" 5 MEGAPIXEL

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM12JC5M2				●	●	●	12.5	8.8×6.6(Φ11)	F1.4~F16	0.1~∞	C	38.4×29.2	-0.06	Φ38.5×52	130	16
LM16JC5M2				●	●	●	16	8.8×6.6(Φ11)	F1.4~F16	0.1~∞	C	29.9×22.7	0.03	Φ38.5×52	125	17
LM25JC5M2				●	●	●	25	8.8×6.6(Φ11)	F1.6~F16	0.1~∞	C	19.9×15.0	-0.01	Φ38.5×45.5	115	17
LM35JC5M2				●	●	●	35	8.8×6.6(Φ11)	F1.6~F16	0.18~∞	C	14.3×10.8	-0.03	Φ38.5×52	120	17

# FA LENS SPECIFICATION

## 2/3" 3 MEGAPIXEL

\*Applicable on 1/1.2" as well (Except for LM8JC3M2)

Model	Format Size(Inch)							Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2	1/3										
NEW LM8JC3M2				●	●	●	●	8	8.8×6.6(Φ11)	F1.4~Close	0.1~∞	C	56.5×43.9	-0.6	Φ34×41.6	90	18
NEW LM12JC3M2				●	●	●	●	12	8.8×6.6(Φ11)	F1.4~Close	0.15~∞	C	38.3×29.1	-0.07	Φ34×37	85	18
NEW LM16JC3M2				●	●	●	●	16	8.8×6.6(Φ11)	F1.4~F16	0.2~∞	C	30.0×22.7	-0.05	Φ33.5×36.5	85	19
NEW LM25JC3M2				●	●	●	●	25	8.8×6.6(Φ11)	F1.4~F16	0.2~∞	C	19.6×14.8	-0.04	Φ33.5×39.5	90	19
NEW LM35JC3M2				●	●	●	●	35	8.8×6.6(Φ11)	F2.0~F16	0.2~∞	C	14.4×10.8	-0.2	Φ34×36.5	70	19
NEW LM50JC3M2				●	●	●	●	50	8.8×6.6(Φ11)	F2.8~F22	0.2~∞	C	9.6×7.2	-0.03	Φ34×55	95	19

## WIDE MEGAPIXEL

Model	Format Size(Inch)							Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2	1/3										
LM3NCM				●	●	●	●	3.5	7.2×5.4(Φ9)	F2.4~F14	0.1~∞	C	89.0×73.8	0.4	Φ42×38.2	85	21
LM4NCM				●	●	●	●	4.4	7.2×5.4(Φ9)	F1.6~F16	0.1~∞	C	76.6×61.3	-0.2	Φ45×57.3	150	21
LM6NCM				●	●	●	●	6	6.4×4.8(Φ8)	F1.2~Close	0.1~∞	C	56.2×43.5	-0.2	Φ34×45.8	100	21
LM5JCM				●	●	●	●	5	8.8×6.6(Φ11)	F2.8~F16	0.1~∞	C	82.4×66.9	0.5	Φ42×38.2	84	21

## 2/3" MEGAPIXEL

Model	Format Size(Inch)							Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2	1/3										
LM8JCM				●	●	●	●	8	8.8×6.6(Φ11)	F1.4~Close	0.1~∞	C	56.5×43.9	-0.60	Φ34×41.6	90	22
LM12JCM				●	●	●	●	12	8.8×6.6(Φ11)	F1.4~Close	0.15~∞	C	38.3×29.1	-0.07	Φ34×37	85	22
LM16JCM				●	●	●	●	16	8.8×6.6(Φ11)	F1.4~F16	0.2~∞	C	30.0×22.7	-0.05	Φ33.5×36.5	85	22
LM25JCM				●	●	●	●	25	8.8×6.6(Φ11)	F1.4~F16	0.2~∞	C	19.6×14.8	-0.04	Φ33.5×39.5	90	23
LM35JCM				●	●	●	●	35	8.8×6.6(Φ11)	F2.0~F16	0.2~∞	C	14.4×10.8	-0.2	Φ34×36.5	70	23
LM50JCM				●	●	●	●	50	8.8×6.6(Φ11)	F2.8~F22	0.2~∞	C	9.6×7.2	-0.03	Φ34×55	95	23

## 2/3" RUGGEDIZED MEGAPIXEL

Model	Format Size(Inch)							Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2	1/3										
NEW LM5JCM-V				●	●	●	●	5	8.8×6.6(Φ11)	F2.8/4/5.6/8	0.1~∞	C	82.4×66.9	0.5	Φ43×38.4	73	24
LM8JCM-V				●	●	●	●	8	8.8×6.6(Φ11)	F1.4/4/8/16	0.1~∞	C	56.5×43.9	-0.6	Φ33×41.6	88	25
LM12JCM-V				●	●	●	●	12	8.8×6.6(Φ11)	F1.4/4/8/16	0.15~∞	C	38.3×29.1	-0.07	Φ33×37	75	25
LM16JCM-V				●	●	●	●	16	8.8×6.6(Φ11)	F1.4/4/8/16	0.2~∞	C	30.0×22.7	-0.05	Φ33×36.5	76.5	25
LM25JCM-V				●	●	●	●	25	8.8×6.6(Φ11)	F1.4/4/8/16	0.2~∞	C	19.6×14.8	-0.04	Φ33×39.5	83	25
LM35JCM-V				●	●	●	●	35	8.8×6.6(Φ11)	F2/4/8/16	0.2~∞	C	14.4×10.8	-0.2	Φ33×38.8	72.5	25
LM50JCM-V				●	●	●	●	50	8.8×6.6(Φ11)	F2.8/4/8/16	0.2~∞	C	9.6×7.2	-0.03	Φ33×56.2	85	25

## 2/3" STANDARD

Model	Format Size(Inch)							Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2	1/3										
LM6JC				●	●	●	●	6	8.8×6.6(Φ11)	F1.4~F16	0.1~∞	C	81.9×61.2	-10.7	Φ30×32.8	65	26
LM8JC				●	●	●	●	8	8.8×6.6(Φ11)	F1.4~F16	0.1~∞	C	64.2×47.7	-6.2	Φ30×30	60	26
LM12JC				●	●	●	●	12	8.8×6.6(Φ11)	F1.4~F16	0.1~∞	C	42.5×31.7	-2.5	Φ30×31.5	63	26
LM16JC				●	●	●	●	16	8.8×6.6(Φ11)	F1.4~F16	0.2~∞	C	30.5×22.8	-1.5	Φ30×28	55	26
LM25JC				●	●	●	●	25	8.8×6.6(Φ11)	F1.6~F16	0.2~∞	C	21.0×15.7	-0.6	Φ30×28	55	26
LM35JC				●	●	●	●	35	8.8×6.6(Φ11)	F1.6~F16	0.3~∞	C	14.4×10.8	-0.2	Φ32×36.5	85	26
LM50JC				●	●	●	●	50	8.8×6.6(Φ11)	F2.0~F22	0.5~∞	C	10.1×7.6	-0.1	Φ32×39.5	90	27
LM75JC				●	●	●	●	75	8.8×6.6(Φ11)	F2.5~F22	1.2~∞	C	6.7×5.0	-0.1	Φ36×51	100	27
LM100JC				●	●	●	●	100	8.8×6.6(Φ11)	F1.4~F16	2.0~∞	C	5.0×3.8	-0.05	Φ42×70	140	27

## 1/1.8" STANDARD

Model	Format Size(Inch)							Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2	1/3										
LM4NCL				●	●	●	●	3.5	7.2×5.4(Φ9)	F1.4~F16	0.2~∞	C	117.7×86.7	-28.0	Φ31×30.5	60	27
LM5NCL				●	●	●	●	4.5	7.2×5.4(Φ9)	F1.4~F16	0.2~∞	C	88.8×66.9	-17.5	Φ31×29.5	55	27
LM6NCL				●	●	●	●	6	7.2×5.4(Φ9)	F1.4~F16	0.2~∞	C	62.7×48.4	-1.0	Φ31×34	60	27
LM12NCL				●	●	●	●	12	7.2×5.4(Φ9)	F2.8~F32	0.3~∞	C	34.6×25.9	-0.8	Φ31×29.5	55	27

## 1" SWIR MEGAPIXEL

Model	Format Size(Inch)							Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(H×V)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2	1/3										
LM8HC-SW				●	●	●	●	8	12.8×9.6(Φ16)	F1.4~F16	0.1~∞	C	79.4×63.0	-1.2	Φ57×58	205	28
LM12HC-SW				●	●	●	●	12.5	12.8×9.6(Φ16)	F1.4~F16	0.3~∞	C	55.6×42.5	-1.6	Φ43×51.5	160	28
LM16HC-SW				●	●	●	●	16	12.8×9.6(Φ16)	F1.4~F16	0.3~∞	C	44.3×33.6	-1.0	Φ43×52.9	150	29
LM25HC-SW				●	●	●	●	25	12.8×9.6(Φ16)	F1.4~F16	0.3~∞	C	29.3×22.0	-1.0	Φ43×43	135	29
LM35HC-SW				●	●	●	●	35	12.8×9.6(Φ16)	F1.4~F16	0.3~∞	C	20.9×15.8	-0.5	Φ43×43	135	29
LM50HC-SW				●	●	●	●	50	12.8×9.6(Φ16)	F1.4~F16	0.5~∞	C	14.5×10.8	0.05	Φ49×48	210	29

**DAY & NIGHT 2/3" 5 MEGAPIXEL**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(HxV)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
NEW LM16JC5M-IR			●	●	●	●	16	8.8×6.6(Φ11)	F1.4~F16	0.3~∞	C	30.9×23.2	-0.8	Φ34×44.5	100	30
NEW LM25JC5M-IR			●	●	●	●	25	8.8×6.6(Φ11)	F1.4~F16	0.3~∞	C	20.1×15.1	-0.3	Φ34×47	110	30
NEW LM35JC5M-IR			●	●	●	●	35	8.8×6.6(Φ11)	F2.0~F22	0.3~∞	C	13.9×10.5	-0.3	Φ34×43	100	30

**DAY & NIGHT 1" 5 MEGAPIXEL**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(HxV)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
NEW LM50HC-IR			●	●	●	●	50	12.8×9.6(Φ16)	F1.8~F16	1.0~∞	C	14.4×10.8	-0.09	Φ50×47.4	180	31
NEW LM60HC-IR			●	●	●	●	60	12.8×9.6(Φ16)	F2.0~F16	1.0~∞	C	12.2×9.2	-0.06	Φ49.2×54.6	200	31

**LARGE FORMAT NIR**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount		Field Angle(HxV)	TV Distortion(%)	Size(mm)		Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2					1/3	Nikon F			P	Nikon F		
LM50-IR	-	-	-	-	-	-	50	43.3(Φ43.3)	F1.9~F16	0.5~∞	Nikon F	P	40.2×27.2	-0.5	Φ58.5×105.2	Φ58.5×106.2	605	31

**LINE SCAN**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(HxV)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM28LF	-	-	-	-	-	-	28	46.0(Φ46)	F2.8~F22	0.5~∞	Nikon F	64.6×45.8	-0.17	Φ75×98	500	32
LM35LF	-	-	-	-	-	-	35	46.0(Φ46)	F2.8~F22	0.4~∞	Nikon F	53.7×37.2	-0.15	Φ57.5×71	430	32
LM50LF	-	-	-	-	-	-	50	46.0(Φ46)	F2.8~F22	0.4~∞	Nikon F	39.7×27.1	-0.04	Φ57.5×77	470	32

**3CCD LARGE FORMAT**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(HxV)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM28CLS	-	-	-	-	-	-	28	30.0(Φ30)	F2.8~F22	0.5~∞	Nikon F	55.2(V)	-0.1	Φ75×108	482	32
LM35CLS	-	-	-	-	-	-	35	30.0(Φ30)	F2.8~F22	0.5~∞	Nikon F	46.1(V)	0.06	Φ65×108	480	32
LM50CLS	-	-	-	-	-	-	50	30.0(Φ30)	F2.8~F22	0.5~∞	Nikon F	32.3(V)	-0.1	Φ58×63.5	358	32

**1/3" NF-MOUNT**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(HxV)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM3NF						●	2.7	4.8×3.6(Φ6)	F1.8~F11	0.1~∞	NF	102.3×76.7	-7.3	Φ21×27	30	33
LM5NF						●	4.5	4.8×3.6(Φ6)	F1.8~F11	0.1~∞	NF	59.2×45.0	-2.8	Φ21×31	35	33
LM9NF						●	9	4.8×3.6(Φ6)	F1.8~F11	0.1~∞	NF	30.2×22.8	-0.6	Φ22×34	40	33

**1/1.8" 3CCD MEGAPIXEL**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(HxV)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM4NC3					●	●	4	7.2×5.4(Φ9)	F1.8~F16	0.1~∞	C	91.9×71.8	-5.0	Φ48×68.7	120	34
LM6NC3					●	●	6	7.2×5.4(Φ9)	F1.8~F16	0.1~∞	C	65.3×50.1	-2.4	Φ39×64.3	105	34
LM12NC3					●	●	12	7.2×5.4(Φ9)	F1.8~F16	0.15~∞	C	34.1×25.7	-1.2	Φ30×58.5	95	34
LM25NC3					●	●	25	7.2×5.4(Φ9)	F1.8~F16	0.2~∞	C	16.4×12.3	-0.17	Φ30×47	80	34
LM50NC3					●	●	50	7.2×5.4(Φ9)	F1.8~F16	0.3~∞	C	7.9×5.9	0.02	Φ40×66	160	34

**MACRO ZOOM**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(HxV)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LMZ50M					●	●	8.5~90(10.6×)	4.8×3.6(Φ6)	F2.5~Close	0.15~∞	C	W31.3×23.5/T3.2×2.4	0.1	Φ60×130	437	35
LMZ45T3				●	●	●	18~108(6×)	8.8×6.6(Φ11)	F2.5~Close	0.115~∞	C	W27.3×20.5/T4.7×3.5	-0.3(3Dpt.un-installed) -0.1(3Dpt.installed)	Φ62×171.7	595	35
LMZ68M					●	●	8~48(6×)	6.4×4.8(Φ8)	F1.0~Close	1.0~∞(0.01 at Macro)	C	W43.6×33.4/T7.7×5.7	-	Φ50.5×92.8	280	35
LMZ69M					●	●	11.5~69(6×)	8.8×6.6(Φ11)	F1.4~Close	1.0~∞(0.01 at Macro)	C	W41.9×32.0/T7.3×5.5	-	Φ50.5×98.2	300	35

**TELECENTRIC**

Model	Format Size(Inch)						Magnification	Image Size(mm)	Shooting Magnification	W.D(mm)	Shooting Range(mm)	TV Distortion(%)	Mount	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LM1119TC	●	●	●	●	●	●	0.5~1.0×	18.4×13.8(Φ23)	0.5× 1.0×	80 81.8	36.8×27.6 18.4×13.8	0.1 0.1	C	Φ82×151.5	1000	36
LM1138TC	●	●	●	●	●	●	2.0×	18.4×13.8(Φ23)	2.0×	80.6	9.20×6.90	0.1	C	Φ64×151	830	36
LM1120TC					●	●	3.45~4.4×	8.8×6.6(Φ11)	3.45× 4.0× 4.4×	65.9 65.9 65.9	1.9×2.6 1.7×2.2 1.5×2.0	0.015 0.003 -0.002	C	Φ57×180	645	37
LM1121TC					●	●	1.725~2.2×	8.8×6.6(Φ11)	1.725× 2.0× 2.2×	114.8 111.4 109.4	5.1×3.8 4.4×3.3 4.0×3.0	0.011 0.004 0.001	C	Φ48×147.5	420	37
LM1122TC					●	●	1.15~1.47×	8.8×6.6(Φ11)	1.15× 1.3× 1.47×	111.6 111.6 111.6	7.6×5.7 6.6×5.0 6.0×4.5	-0.015 -0.001 0.011	C	Φ50×123.9	330	37
LM1123TC					●	●	0.69~0.88×	8.8×6.6(Φ11)	0.69× 0.8× 0.88×	111.0 111.0 111.0	12.7×9.6 11.0×8.2 10.0×7.5	-0.001 -0.009 0.005	C	Φ50×121.5	290	37
LM1125TC					●	●	0.346~0.44×	8.8×6.6(Φ11)	0.346× 0.4× 0.44×	112.7 112.7 112.7	19.1×25.4 16.5×22.0 15.0×20.0	0.02 -0.009 0.01	C	Φ51.5×142.3	395	37
LM50TC					●	●	0.3~1.0×	8.8×6.6(Φ11)	0.3× 1.0×	193.4 81.8	29.5×22.2 8.8×6.6	-0.19 -0.1	C	Φ56×115.7	317	37

**VARIFOCAL**

Model	Format Size(Inch)						Focal Length(mm)	Image Size	Iris Range (F-stop)	Focusing Range(m)	Mount	Field Angle(HxV)	TV Distortion(%)	Size(mm)	Weight(g)	Page
	4/3	1.1	1	2/3	1/1.8	1/2										
LMVZ166HC			●	●	●	●	16~64(4.0×)	12.8×9.6(Φ16)	F1.8~F16	1.0~∞	C	W45.9×34.2/T11.7×14.6	W-3.4/T0.2	Φ60×124	370	38
LMVZ4411					●	●	4.4~11(2.5×)	7.2×5.4(Φ9)	F1.6~F16	0.3~∞	C	W76.6×61.2/T36.7×28.0	W-0.2/T0.4	Φ45×56.5	125	38
LMVZ655					●	●	6.5~52(8×)	6.4×4.8(Φ8)	F1.8~Close	0.2~∞	C	W54.8×41.1/T7.1×5.4	W-1.2/T0.1	Φ46×73.5	163	38
LMVZ990-IR					●	●	9~90(10×)	6.4×4.8(Φ8)	F1.8~F16	0.3~∞	C	W41.1×30.3/T4.2×3.1	W-4.3/T0.3	Φ45×93	194	38