

LM8JCM-V LM12JCM-V LM16JCM-V LM25JCM-V LM35JCM-V LM50JCM-V

JCM-V Series

High Resolution FA/MV Lenses

Kowa's new JCM-V series is made for use in high vibration and shock environments. With a design based on Kowa's standard 2/3" JCM lenses, this new ruggedized megapixel lens series is ideal for applications that require increased durability and high optical performance.

Features of JCM-V Series

- ▶ For megapixel applications requiring a sensor size of 2/3" (Φ11mm) or smaller.
- ▶ Unique mechanical design to guard against strong vibration and shock.
- ▶ Two way reversible nut is utilized to tightly lock the focus adjustment ring in place.
- ▶ All internal glass elements are glued to the inside housing to improve stability.
- ▶ Interchangeable iris plates are used to select the F-stop.



Interchangeable Iris Plates

- The JCM-V series uses interchangeable iris plates instead of mechanical iris diaphragms with moving blades. You can choose from four iris plates to adjust the F-stop.



Variable Step Up Rings

Focus Adjustment Procedure

- Unscrew the bottom ring of the outside body to adjust the focus to optimal position.
- Screw the red two way reversible nut on the center body towards the bottom ring to lock in the focus.



Two Way Reversible Nut

LM8JCM-V



2/3" 1/1.8" 1/2" 8mm FIXED MEGA C-Mnt METAL RUGGED
Fixed Focal Megapixel C-mount Metal Body Ruggedized lens

LM12JCM-V



2/3" 1/1.8" 1/2" 12mm FIXED MEGA C-Mnt METAL RUGGED
Fixed Focal Megapixel C-mount Metal Body Ruggedized lens

LM16JCM-V



2/3" 1/1.8" 1/2" 16mm FIXED MEGA C-Mnt METAL RUGGED
Fixed Focal Megapixel C-mount Metal Body Ruggedized lens

LM25JCM-V



2/3" 1/1.8" 1/2" 25mm FIXED MEGA C-Mnt METAL RUGGED
Fixed Focal Megapixel C-mount Metal Body Ruggedized lens

LM35JCM-V



2/3" 1/1.8" 1/2" 35mm FIXED MEGA C-Mnt METAL RUGGED
Fixed Focal Megapixel C-mount Metal Body Ruggedized lens

LM50JCM-V



2/3" 1/1.8" 1/2" 50mm FIXED MEGA C-Mnt METAL RUGGED
Fixed Focal Megapixel C-mount Metal Body Ruggedized lens

Model	LM8JCM-V	LM12JCM-V	LM16JCM-V	LM25JCM-V	LM35JCM-V	LM50JCM-V
Focal Length (mm)	8	12	16	25	35	50
Image Size (mm)	8.8×6.6 (Φ11)	8.8×6.6 (Φ11)	8.8×6.6 (Φ11)	8.8×6.6 (Φ11)	8.8×6.6 (Φ11)	8.8×6.6 (Φ11)
Iris Range (F-stop)	F1.4/F4/F8/F16	F1.4/F4/F8/F16	F1.4/F4/F8/F16	F1.4/F4/F8/F16	F2/F4/F8/F16	F2.8/F4/F8/F16
Focusing Range (m)	0.1-∞	0.15-∞	0.2-∞	0.2-∞	0.2-∞	0.2-∞
Control	Iris	-	-	-	-	-
Focus	Manual	Manual	Manual	Manual	Manual	Manual
Shooting Range at W.D.O. (mm)	120.3(H)×90.0(V)	110.0(H)×82.5(V)	112.8(H)×84.4(V)	71.1(H)×53.3(V)	47.9(H)×35.8(V)	28.3(H)×21.9(V)
Angle of View	2/3 Inch	38.3×29.1	30.0×22.7	19.6×14.8	14.4×10.8	9.6×7.2
View (Degrees)	1/1.8 Inch	47.4×36.3	31.7×24.0	24.7×18.6	16.1×12.1	11.8×8.8
TV Distortion (%)	-0.6	-0.7	-0.5	-0.4	-0.2	-0.3
Back Focus in Air (mm)	9.74	11.7	13.1	20.1	20.1	35.5
Mount	C-mount	C-mount	C-mount	C-mount	C-mount	C-mount
Filter Thread (mm)	M27×P0.5	M27×P0.5	M27×P0.5	M27×P0.5	M27×P0.5	M27×P0.5
Size (mm)	Φ33.0×41.6	Φ33.0×37.0	Φ33.0×36.5	Φ33.0×39.5	Φ33.0×38.8	Φ33.0×56.2
Weight (g)	88	75	76.5	83	72.5	85
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

† Images may differ from the actual product.

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