

# 1" FORMAT MEGAPIXEL SWIR

LM8HC-SW LM12HC-SW LM16HC-SW LM25HC-SW LM35HC-SW LM50HC-SW

- ◆ Incorporating Kowa's special coating technology, the 1" format HC-SW Series will maintain high transmission from 800nm to 2000nm.
- ◆ Designed for Near Infrared and Short Wavelength Infrared (SWIR) applications.



**NEW LM8HC-SW**



**1" 8mm** **FIXED** **MEGA** **C** **METAL** **IR**  
Fixed focal Megapixel C-mount Metal Body Infrared

# 1" FORMAT MEGAPIXEL SWIR

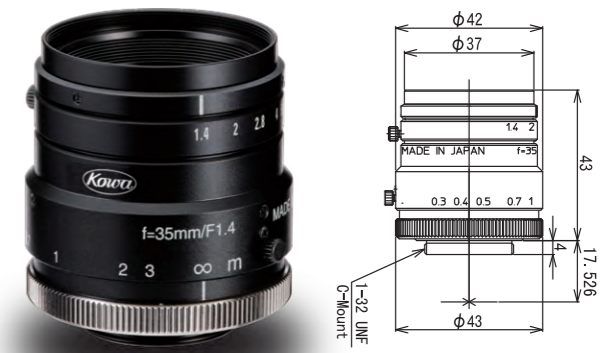
LM8HC-SW LM12HC-SW LM16HC-SW LM25HC-SW LM35HC-SW LM50HC-SW

**NEW LM25HC-SW**



**1" 25mm** **FIXED** **MEGA** **C** **METAL** **IR**  
Fixed focal Megapixel C-mount Metal Body Infrared

**NEW LM35HC-SW**



**1" 35mm** **FIXED** **MEGA** **C** **METAL** **IR**  
Fixed focal Megapixel C-mount Metal Body Infrared

**NEW LM12HC-SW**



**1" 12.5mm** **FIXED** **MEGA** **C** **METAL** **IR**  
Fixed focal Megapixel C-mount Metal Body Infrared

**NEW LM16HC-SW**

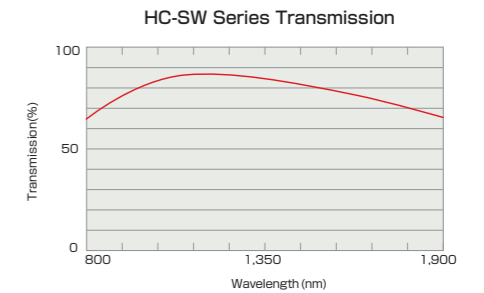


**1" 16mm** **FIXED** **MEGA** **C** **METAL** **IR**  
Fixed focal Megapixel C-mount Metal Body Infrared

**NEW LM50HC-SW**



**1" 50mm** **FIXED** **MEGA** **C** **METAL** **IR**  
Fixed focal Megapixel C-mount Metal Body Infrared



Model	LM8HC-SW	LM12HC-SW	LM16HC-SW
Focal length(mm)	8	12.5	16
Image size(mm)	1" (Φ16)	1" (Φ16)	1" (Φ16)
Iris range (F-stop)	F1.4~F16	F1.4~F16	F1.4~F16
Focusing range(m)	0.1~∞	0.3~∞	0.3~∞
Control Iris	Manual	Manual	Manual
Focus	Manual	Manual	Manual
Angle of view (degree)	1 inch: 79.7×63.0 2/3 inch: 58.3×44.7 1/2 inch: 43.4×32.9	55.6×42.5 39.1×29.5 28.7×21.6	44.3×33.6 30.8×23.2 22.5×16.9
Resolution (Center, Corner)	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm
Distortion (TV)	-1.2%	-1.5%	-1.0%
Back focus in air (mm)	11.2	12.6	12.6
Mount	C-mount	C-mount	C-mount
Filter thread (mm)	M55×P0.75	M35×P0.5	M35.5×P0.5
Size (mm)	Φ57×58	Φ42×52	Φ42×52.9
Weight (g)	200	150	140
Temperature range	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C

Specifications are subject to change without notice.

※ Images may differ from the actual product.

Model	LM25HC-SW	LM35HC-SW	LM50HC-SW
Focal length(mm)	25	35	50
Image size(mm)	1" (Φ16)	1" (Φ16)	1" (Φ16)
Iris range (F-stop)	F1.4~F16	F1.4~F16	F1.4~F16
Focusing range(m)	0.3~∞	0.3~∞	0.5~∞
Control Iris	Manual	Manual	Manual
Focus	Manual	Manual	Manual
Angle of view (degree)	1 inch: 29.3×22.0 2/3 inch: 20.2×15.1 1/2 inch: 14.7×11.0	20.9×15.8 14.4×10.8 10.5×7.8	14.5×10.8 10.0×7.54 7.3×5.4
Resolution (Center, Corner)	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm	120lp/mm, 80lp/mm
Distortion (TV)	-1.0%	-0.5%	0.05%
Back focus in air (mm)	16.5	16.8	14.8
Mount	C-mount	C-mount	C-mount
Filter thread (mm)	M35.5×P0.5	M35.5×P0.5	M40.5×P0.5
Size (mm)	Φ42×43	Φ42×43	Φ47.5×48
Weight (g)	125	130	200
Temperature range	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C

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4/3" MEGA NIR 10MEGA SWIR NF MOUNT 3CCD NEW LS WIDE MEGA 2/3" MEGA 1" MEGA 2/3" JC 1/2" NC VARIOFOL TELECENTRIC MACRO NC3