

Macro

VS-MCA **RUGGEDIZED**
SERIES

A hexagonal body perfectly fit for torque control.



Ruggedized Vibration Resistant Lens Series

Vibration Resistant Ruggedized Macro Lenses with a Hexagonal Body



Features

The VS-MCA series is especially designed to stay in focus regardless of vibration or shock. Each lens is available with a preset fixed open iris, F5.6, or F8.0. A screw lock mechanism is able to not only deliver a high quality image, but also maintain the quality throughout the vision systems use.

Model	Focal Length	Magnification	WD(mm)	Max Sensor
VS-MCA4	4	(∞) 0.01x - 0.04x	403.2 - 92.7	1/2"
VS-MCA6.5	6.5	(∞) 0.01x - 0.06x	656.0 - 98.0	1/2"
VS-MCA10	10	(∞) 0.02x - 0.15x	504.1 - 59.9	1/2"
VS-MCA15	15	(∞) 0.03x - 0.3x	490.7 - 40.3	2/3"
VS-MCA20	20	0.04x - 0.4x	516.8 - 50.7	2/3"
VS-MCA25	25	0.05x - 0.5x	514.6 - 55.6	2/3"
VS-MCA30	30	0.06x - 0.45x	513.5 - 80.1	2/3"
VS-MCA35	35	0.26x - 0.65x	163.9 - 83.1	2/3"
VS-MCA50	50	0.08x - 0.48x	633.6 - 128.7	2/3"
VS-MCA75	75	0.14x - 0.62x	562.9 - 153.8	2/3"

Advantages



The hexagonal body of the lens makes it easy for anyone to correctly lock the lens into a camera with the use of a standard wrench or torque wrench. With a torque wrench it is possible to precisely tighten the lens to a camera with a specific amount of torque. It is then possible to replicate the same exact tightness in other vision systems using the VS-MCA lens series.



check out the demo video of the VS-MCA series on vst.co.jp

Standard Lens Vibration and Shock Test Results

Sweep test.

Acceleration	5G
Frequency	5-500HZ
Time	10min X 3axis
Amplitude	1.0-2.0mm

Fixed frequency test.

Acceleration	5G
Frequency	5-500HZ
Time	10min X 3axis
Amplitude	1.0mm

Shock impact test.

Acceleration	30G
Pulse width	8mm
Time	20min X 3axis

VS-MCA Series Vibration and Shock Test Results

Sweep test.

Acceleration	20G
Frequency	5-500HZ
Time	32min X 3axis
Amplitude	1.0-2.0mm

Fixed frequency test.

Acceleration	20G
Frequency	2000HZ
Time	32min X 3axis
Amplitude	4.0mm

Shock impact test.

Acceleration	75G
Pulse width	8mm
Time	90min X 3axis

International Sales Offices

VST Europe (Amsterdam)
TEL: +31-20-305-1310

VST Thailand (Bangkok)
TEL: +662-278-6808

VST Korea (Seoul)
TEL: +82-2-2183-3848

VST Taiwan (Taipei)
TEL: +886-2-2531-2036

VST America (Chicago)
TEL: +1-847-952-3800

VST Europe (Paris)
TEL: +33-6-51-12-12-01

VST Vietnam (Hanoi)
TEL: +84-24-6327-8566

VST Shenzhen (Shenzhen)
TEL: +86-755-8273-1420

VST Taiwan (Hsinchu)
TEL: +886-3-668-1381

VST America (Dallas)
TEL: +1-972-773-9686

VST EU (Poland)
TEL: +48-22-492-6683

VST India (Bengaluru)
TEL: +91-80888-31893

VST Shenzhen (Shanghai)
TEL: +86-21-6255-0725

VST Mexico (Tijuana)
TEL: +52-664-380-6169