

# M9<sub>G4</sub>



## Camera Module Tester Series

**isMedia** is doing its best to develop products ranging from research development for camera test equipments to custom-built equipments through pre-discussion.

### Feature

- Manual Tester (Manual Focusing System)
- Rotating Illuminators Automatically
- Auto Focus/Fixed Focus Test
- 2 Chart System (Far field, Near field)
- Reasonable Price

### Broaden Coverage of the Function Verification

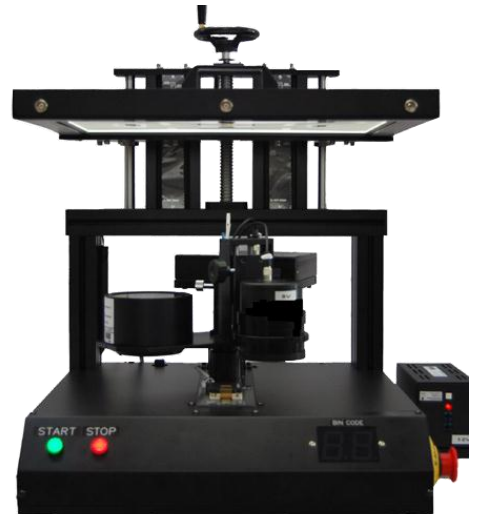
- Electrical test
- Focus adjust / Focus final test
- Macro auto focus test
- Image test

### Manual Tester Has Automatic Function

- Manual focus adjust
- Automatic auto focus function test
- Automatic LED rotation system

### Applicable Camera Module Type

- Cube type
- FPC type
- Wafer level camera type



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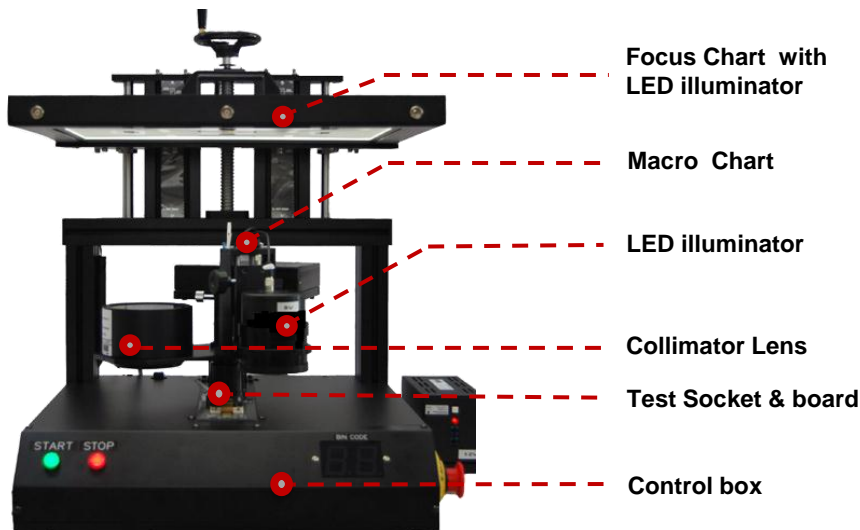
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**is Media**

## System Specification

Size / Weight	460X490X660 (WxDxH) mm / 30Kg
Utility	Power 220V±5% 60Hz
Illumination	IL80 : White LED illuminator ML202 : Macro (Near Field) LED illuminator, 202x150 FL440 : Far Field LED illuminator, 440 x 345
Collimator Lens	CL-636 / Focal Length : 36mm
Control Axis	1 Servo Motor
Chart	2 Charts system (Far, Near)
Main Processor	Intel Core 2 Duo 3.0 GHz
Memory/Hard Disk	2GB, 250GB
Monitor	17 inch
Operating System	Microsoft Windows XP, Windows 7 (32bit)
Local Bus	PCIe Camera-link grabber (1ch)



## H/W Specification

Interface with PC	Camera link(Base) for video USB2.0 for control
Supported Video Format	8bit to 16bit Bayer(8/10/12/14/16) 8bit or 16bit YUV4:2:2 8bit or 16bit RGB888/RGB565
Supported Control Bus	Standard I2C NON-Standard I2C(16bit address, 16bit data, Programmable Latency etc) SCCB
Video Transfer Rate (Supported Pixel Clock Frequency)	Up to 240MB/Sec
Supported Video Resolution	12Mp resolution camera modules are verified Now study for Higher Resolution is ongoing SMIA(650Mbps)
SMIA & MIPI Support	2 lane MIPI converter (800Mbps per lane) (Optional 4 lane MIPI converter – 800Mbps per lane)
Master Clock Supply	1.0M~68MHz / 0.1MHz step