S17C5

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

Dual-Test Capacity in a Semi-Auto Machine
Shorten Testing Time 50% Compared with S16 Series
Minimizing size by collimator lens & compact board set
Full Functional Test Finishing in One Contact
All Kinds of Camera Modules are Applicable

Covering All Camera Module Functions Verification

Electrical test
Focus adjust/Focus final test
Auto Focus Function Test (VCM)
Image test

Innovated Design Board Equipped

One time sensor contact is able to verifying whole camera function test.
Reducing test time more than 50% than S16 series
100% digital test system (Electro relay board)

Applicable Camera Module Type

Cube type
FPCB type
Wafer level camera type

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System Specification

Size / Weight	**550x740x950 (WxDxH) mm / 100kg**
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	**4 Stepping Motors with closed loop control**
Chart	**2 Charts system (Far, Near)**
Main Processor	**Intel Core 2 Duo 3.0 GHz**
Memory/Hard Disk	**2GB, 250GB**
Monitor	**20 inch**
Operating System	**Microsoft Windows XP, Windows 7 (32bit)**
Local Bus	**PCIe camera-link grabber (2ch)**

Chart Distance Adjust Wheel — PC — Far Field Focus Chart — Auto Focus Macro Chart — Front LED Illuminator — Tester Core Zone — Emergency Switch
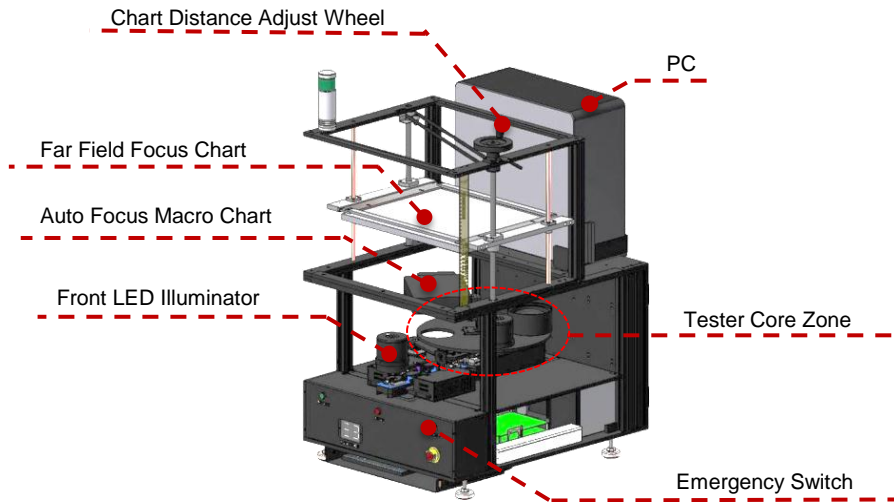
H/W Specification

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 & MIPI Support	**SMIA(650Mbps)** **2 lane MIPI converter (800Mbps per lane)** **(Optional 4 lane MIPI converter – 800Mbps per lane)**
Master Clock Supply	**1.0M~68MHz / 0.1MHz step**

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