

M6100**Electrical, Optical & Thermal
Imaging & Test Systems**

OLED I-V-L Test System

Standard OLED I-V-L Test System

The M6100 OLED I-V-L Test System performs I-V-L test using source-meter for electrical control and measurement, and optical detector such as colorimeter or spectroradiometer for luminance and color measurements under dark cabinet environment. Measurement of luminance and chromaticity allows calculation of luminous and power efficiency. Measurement of emission spectra allows calculation of quantum efficiency and CRI index, as additionally important OLED characteristics.

I-V-L**Luminous / Power / Quantum Efficiency****Color/Spectrum****CRI****View angle(WAD)****I-V-L Measurement****Unit Cell / Panel / Module****Luminescence / Color / Spectrum Measurement****Luminous / Power / Quantum Efficiency****Color Rendering Index****Flat Panel / Flexible Device** **McScience**

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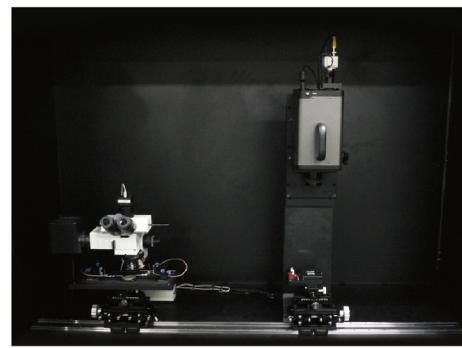
Product Application



<Table Top Installation>



<Installation in Glove Box>



<Vertical Spectroradiometer & Microscope in System>



System Components



LUMO M20



<Spectroradiometer>



PR-655



SR-3A



<Sourcemeter>



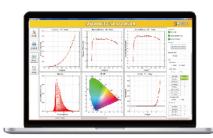
<Test Jig>



<CCD Camera>



<X-Y-Z Stage>



<Test Software>



System Specification

Model Name		M6100 OLED I-V-L Test System		
Standard Model		PMX : Unit Cell / AMX : Panel / MDX : Module / OLX : Lighting		
System Configuration		I-V Source Measure Unit, Jig and Frame, I-V-L Test Software, Temperature/Viewing Angle		
Driving Source	Model	PMX	AMX	MDX
	Type	SMU	Panel Pattern Generator	Module Pattern Generator
	Operating Mode	Simple Power (2/4Probe)	Main Power, Sub Power, Signal	Display Interface (RGB, LVDS, MIPI)
	Voltage Range	Max. 20V	Max. 20V	Max. 20V
	Currnet Range	Max. 1A	Max. 1A	Max. 1A
Optical Unit	Type	Colorimeter / Spectroradiometer		
	Spectral Range	380nm ~ 780nm		
Optional Item		ThermoStation, Viewing Angle, Impedance Measurement		
Measurement Item		Time, Voltage, Current, Luminance, Efficiency, CRI, Chromaticity, Spectrum, Temperature		