

M6000 PLUS

OLED Lifetime Test System

Electrical, Optical & Thermal
Imaging & Test Systems

All Optimized for Multi-channel Power Driving Lighting and Measurement of OLED Lifetime

M6000 PLUS OLED Lifetime Test System is used to test the capability of OLED materials to withstand the continuous electrical source or environmental changes between high/low temperature, and therefore understands the chemical changes or physical damages caused by degradation in the designated time. It is applicable to OLED unit cell, module, panel. The lifetime test result can be used as a reference or basis for OLED material improvement and better quality.

OLED

+

Lifetime

+

I-V Scan

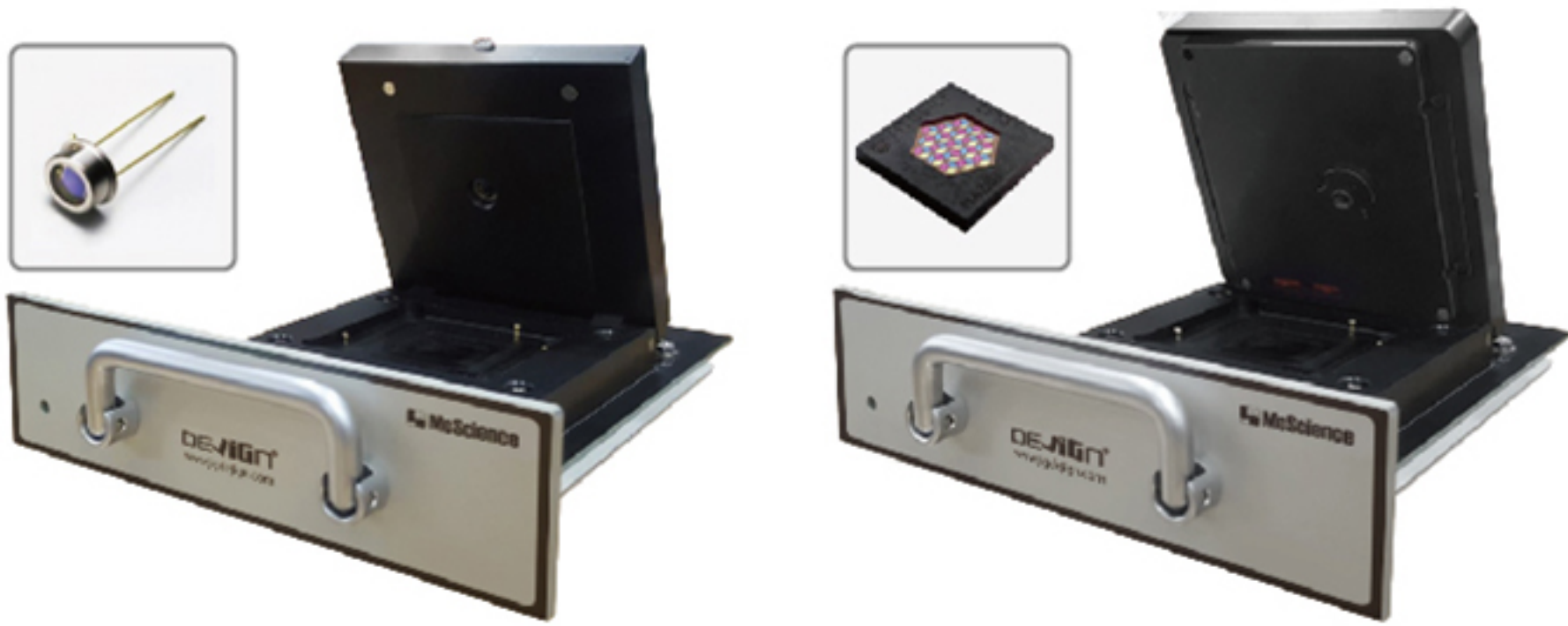
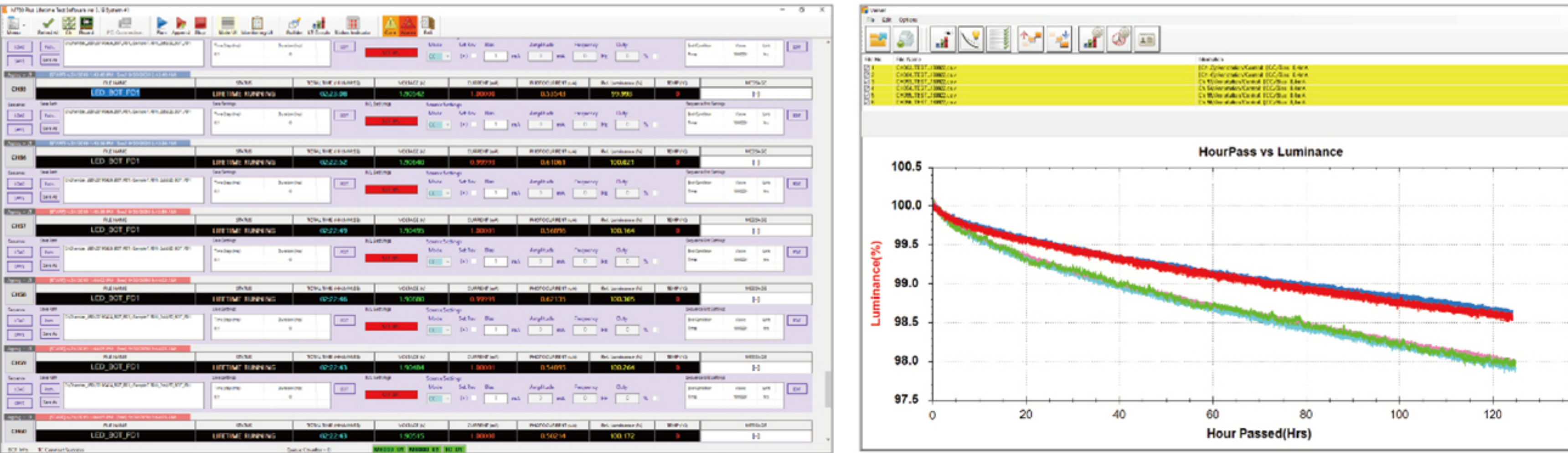
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Multi-Channel

Luminance / CIE

+

Recipe / Sequence / Eigen Plot

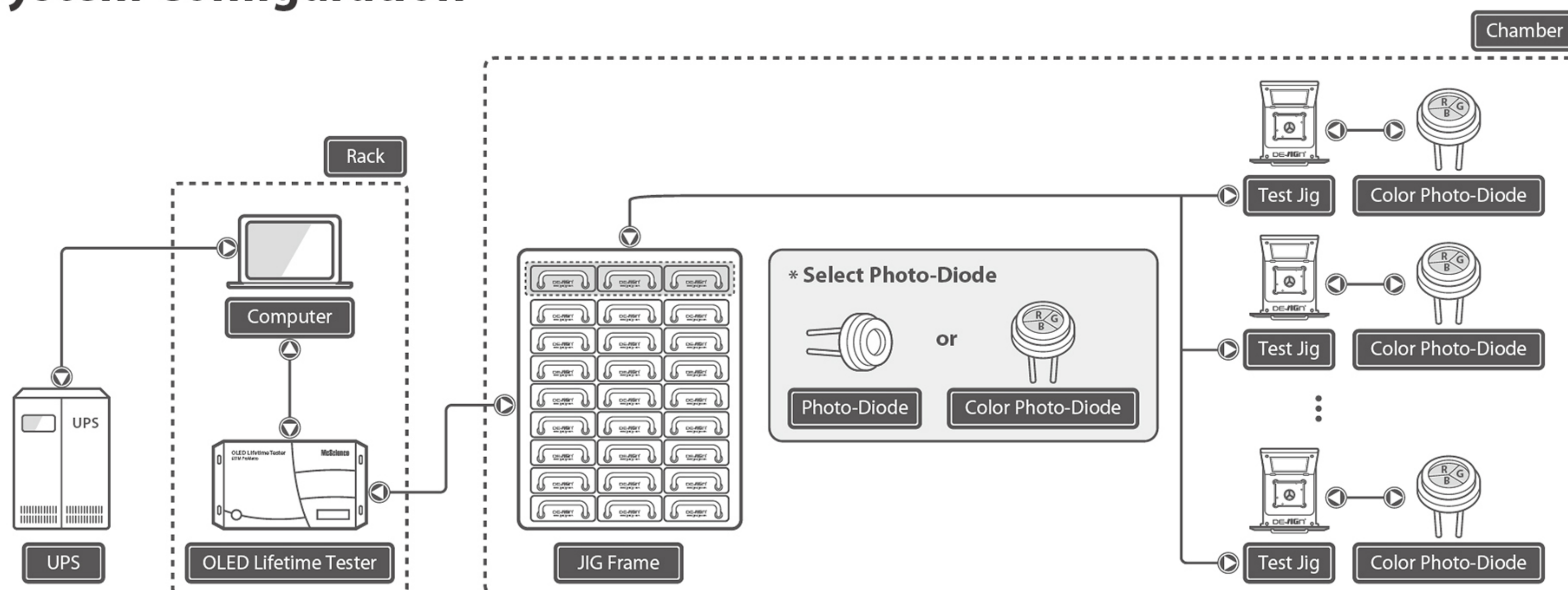


- Relative/Absolute Lifetime Test
- Relative/Absolute I-V-L Test
- Aging Test
- Multi Current/Photocurrent Range
- Sequence Operation with mutiple Recipe
- Acceleration Test using Thermal Chamber



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System Configuration



System Components



<OLED Lifetime Tester>



<Test Jig>



<JIG Frame>



<Thermostation>



<Chamber>



<UPS>



<OLED Lifetime Test Software>

System Specification

Product Name		M6000 PLUS OLED Lifetime Test System
Function		Lifetime Test, Aging Test, IV Scan during Lifetime Test
Capacity		32ch / Unit
Output Mode		CV, CC, CL, PV, PC, PCV
Voltage	Range	±20V
	Accuracy	±0.05% + 10mV (F.S.R.)
Current	Range	[Range 1] ±1mA / [Range 2] ±10mA (Auto 2-Range Shunt Type)
	Accuracy	[Range 1] ±0.05% + 1uA (F.S.R.) / [Range 2] ±0.05% + 10uA (F.S.R.)
Photocurrent	Range	[Range 1] 0uA~10uA / [Range 2] 0uA~100uA / [Range 3] 0uA~1mA (Auto)
	Accuracy	[Range 1] ±0.05% + 5nA (F.S.R.) / [Range 2] ±0.05% + 10nA (F.S.R.) / [Range 3] ±0.05% + 50nA (F.S.R.)
Pulse	Frequency Range	10 ~ 256Hz / 1Hz Step
	Duty	1 ~ 99% / 1% Step
Measurement Item		Time, Voltage, Current, Photo-Current, Luminance, CIE
Data Backup		Automatic Data Backup in HW Memory in case of SW Disconnection
Interface		LAN