

# iMiD 2015 Display Special Exhibition

Materials, Components and Instrument

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<b>Exhibitor Introduction (Within 200 words)</b>	<p>SANAYI System Co., Ltd. is maker of LCD simulation software. We released TechWiz LCD 1D PLUS, TechWiz LCD 2D, and TechWiz LCD 3D. Many LCD panel makers, film makers, and other material makers in the world already use TechWiz LCD for their R&amp;D and mass production. Our product and service covers design and optimization of all electrical and optical characteristic of LCD. Also, LC lens and 3-D display are possible to use our special functions of TechWiz LCD. We continue developing new functions to provide the latest solution to the customers. We are proud that we have the best technology and fast response for the customers' needs. Please bring your ideas to fruition with us.</p>
<b>Exhibit Description (Within 200 words)</b>	<p>[TechWiz LCD 1D PLUS]</p> <ul style="list-style-type: none"> <li>• Powerful optical design and analysis functions</li> <li>• Variation with all kinds of electro-optic parameters</li> <li>• Data exchange with measurement instrument</li> <li>• Free energy, polarization, retardation, color, gamma correction, image reproduction, real color contour</li> <li>• Non-Lambertian BLU, multi-domain, RGB(W)</li> <li>• Mueller matrix method</li> <li>• Advanced apodization method</li> <li>• Flexoelectric effect analysis</li> <li>• Glasses type 3-D display</li> </ul> <p>[TechWiz LCD 2D]</p> <ul style="list-style-type: none"> <li>• Variation with all kinds of electro-optic parameters</li> <li>• Variation with 2D structure data</li> </ul>

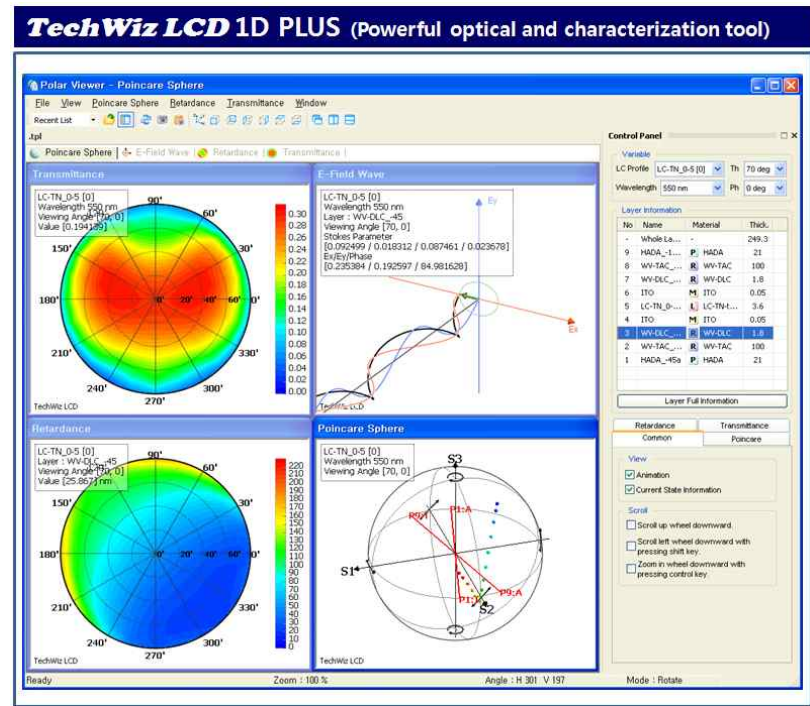
- Data exchange with measurement instrument
- Mueller matrix method
- Extended Jones(Hybrid) method
- Blue phase mode analysis
- Special mask for local condition
- Offset angle of the structure
- Flexoelectric effect analysis
- Ray tracing for LC lens and 3-D display

[TechWiz LCD 3D]

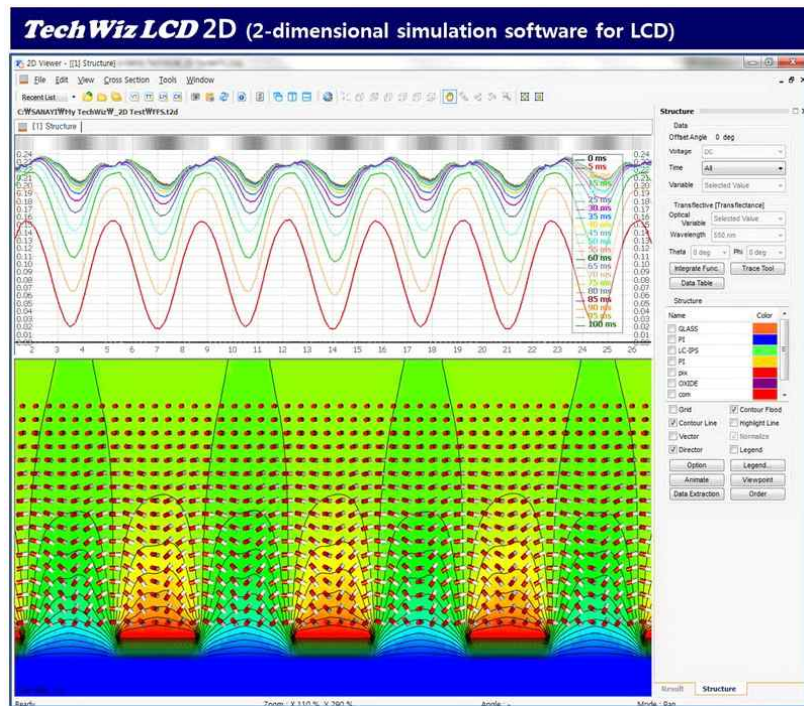
- Easy to define 3D structure
- Import/export/edit GDS file
- Special mask for local condition
- Conformal, tapered, and rounded surface generation
- Optimized mesh structure for touch panel
- Flexoelectric effect analysis
- Mueller matrix method
- Quasi-3D optic solver
- Transmittance, reflectance, and color analysis
- Apodization method
- Color extraction for local area
- Calculation of capacitance and resistance
- Calculating resistance of insulator
- Consideration of charge effect

[TechWiz LCD 1D PLUS]

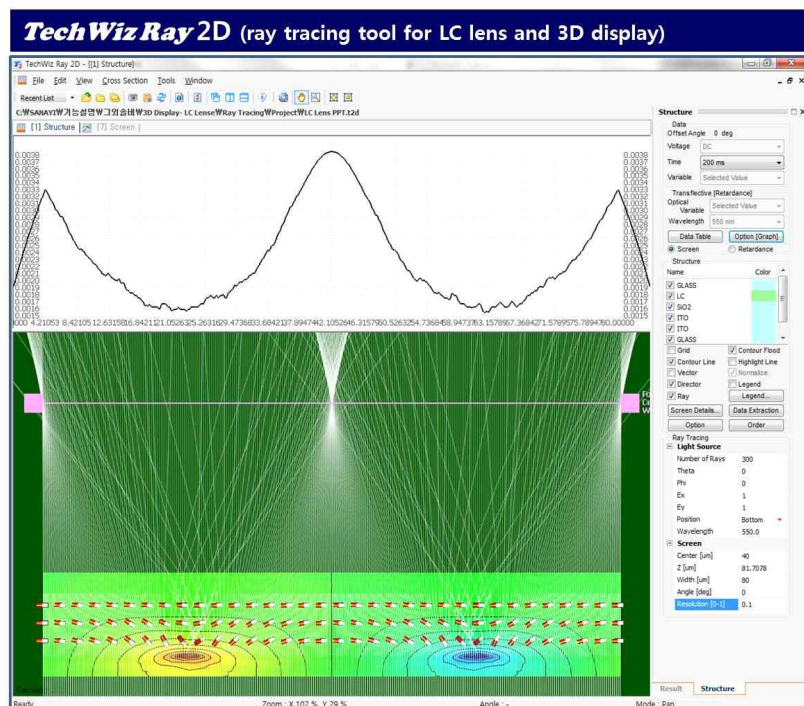
Exhibit Product



[TechWiz LCD 2D]

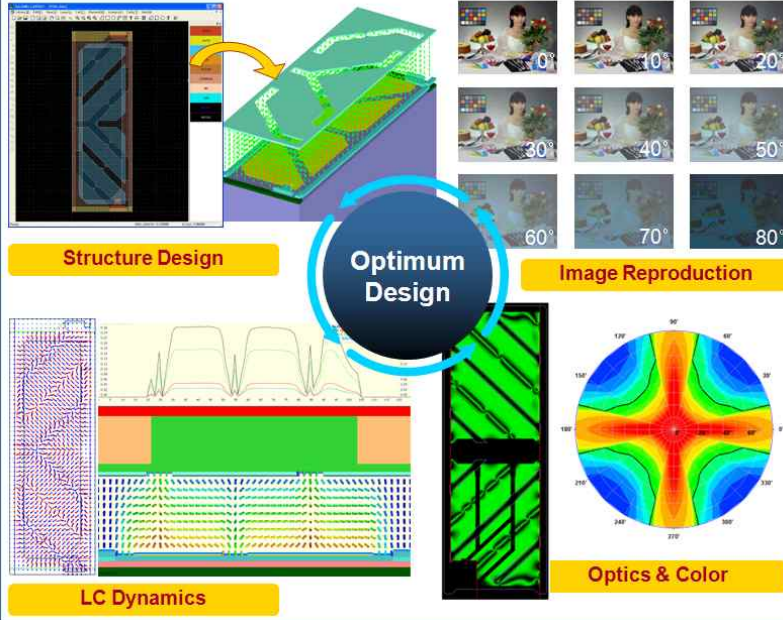


[TechWiz Ray 2D]



[TechWiz LCD 3D]

**TechWiz LCD 3D** (Multi-dimensional simulation software)



Company logo

**SANAYI**