

# iMiD 2024

The 24th International Meeting on Information Display  
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Exhibitor Introduction	<p>ANI is a manufacturer that provides the best solution for the FPD/ semiconductor industry.</p> <p>Since its foundation in January 2000, ANI has developed FPD/Semiconductor inspection equipment and supplied it to domestic and overseas companies. It has contributed to improving quality of related manufacturers and reducing costs with its competitive edge in customized solutions optimized for customers' needs.</p> <p>Also, ANI has been expanded business area to optical measurement instrument(colorimeter, imaging colorimeter)</p>	
Exhibit Description	<p><b><u>ANI Colorimeters: LUKAS-X600, LUKAS-H702, LUKAS-H727</u></b></p> <p>It is a standard colorimeter that measures the luminance/color/flicker of an LCD/OLED display. High performance even at low luminance.</p> <p><b>&lt;LUKAS-X600 features&gt;</b></p> <ol style="list-style-type: none"><li>1. Specialized in measuring low luminance(~0.001nit)</li><li>2. Luminance accuracy: ±8%, repeatability 7% (@0.001nit)</li><li>3. Chromaticity accuracy: ±0.003, repeatability 0.003 (@0.01nit)</li></ol> <p><b>&lt;LUKAS-H702 feature&gt;</b></p>	

1. For AR/VR Micro OLED and UPC measurements
2. Luminance accuracy:  $\pm 9\%$ , repeatability 8% (@0.002nit)
3. Chromaticity accuracy:  $\pm 0.004$ , repeatability 0.003 (@0.02nit)

#### <LUKAS-H727 feature>

1. Colorimeter for Production line process requiring high-speed measurement
2. Luminance accuracy:  $\pm 9\%$ , repeatability 3% (@0.002nit)
3. Chromaticity accuracy:  $\pm 0.003$ , repeatability 0.001 (@0.003nit)

#### **ANI 2D Imaging Colorimeters: LUKAS-M631 Series**

The LUKAS-M631 Series can measure the luminance/chromaticity/Uniformity and spectrum of the panel, and the switching function of the ND filter can measure up to 0.0005~2,500,000 nits.

The M631 Series is divided into M631W, M631R, and M631L depending on the application.(Camera resolution: 6,464 x 4,852 pixels(31M CCD))

Automotive: LUKAS-M631W / Mobile, IT: LUKAS-M631R / AR/VR: LUKAS-M631L

1. Luminance accuracy:  $\pm 2\%$ , Chromaticity accuracy:  $\pm 0.002$
2. Measurement time: 1.0s(M631L: 1.2s)
3. Th World's first wheel type technology with an integrated color camera and spectrometer in applied.
4. Used to measure or calibrate the uniformity of ultra-low luminance and HDR displays.

**Exhibit  
Product**

**Colorimeter: LUKAS-X600**



**Colorimeter: LUKAS-H02**



**Colorimeter: LUKAS-H727**

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