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Samsung Debuts World's First Cinema LED Display

The First LED Screen Theater Amplifies the Immersive Experience Through HDR LED Display and JBL by HARMAN's Audio Solution

SEOUL, Korea – July 13, 2017 Samsung Electronics today announced it has installed its first ever commercial Cinema LED Screen at Lotte Cinema World Tower in Korea. Designed as a High Dynamic Range (HDR) LED theater display, the Cinema LED Screen creates a more captivating and vibrant viewing experience through next-generation picture quality and true-to-life audio thanks to collaboration between HARMAN Professional Solutions and Samsung Audio Lab.

"Through sharper and more realistic colors, complementary audio and an elevated presentation, our Cinema LED Screen makes viewers feel as if they are part of the picture," said HS Kim, President of Visual Display Business at Samsung Electronics. "We are excited to partner with Lotte Cinema to bring this technology to theater-goers, and look forward to continuing to shape the cinema of the future."

Stretching nearly 10.3m (33.8ft) wide in size, the Cinema LED Screen accommodates a variety of theater configurations while ensuring superior levels of technical performance, reliability and quality. The display brings the visual power of HDR picture quality to the big screen, and enlivens content with both ultra-sharp 4K resolution (4,096 x 2,160) and peak brightness levels (146fL) nearly 10 times greater than that offered by standard projector technologies. Additionally, the Cinema LED Screen's futuristic, distortion-free presentation leverages ultra-contrast and low-tone grayscale settings to showcase the brightest colors, deepest blacks and most pristine whites at a nearly infinite contrast ratio.

To go with the stunning video technology within the 'SUPER S' theater of Lotte Cinema, Samsung has paired its Cinema LED Screen with state-of-the-art audio technologies from JBL by HARMAN. This integration includes powerful speakers bordering the screen, proprietary audio processing technology, and JBL's Sculpted Surround system, producing an unparalleled sight and sound experience the way the content creators intended.

As demands within the cinema space evolve, Samsung's Cinema LED Screen offers the versatility to expand services to meet a wider range of audience needs. The display maintains its advanced presentation capabilities in a range of dark and ambient lighting conditions. This flexibility makes the Cinema LED Screen ideal for venues wishing to use their theater space for corporate events, concerts, sports event viewing and gaming competitions.

"'SUPER S' theater is a new paradigm of movie screening," said Wonchun Cha, Lotte Cinema CEO. "We look forward to working with Samsung to introduce new, high-quality technology to the movie industry in the future, and we are excited to drive customer satisfaction through an improved viewing environment that brings a variety of content to life."

Prior to its commercial debut, Samsung ran the Cinema LED Screen through a series of the industry's most rigorous tests to validate its performance and presentation. In May 2017, the Cinema LED Screen became the first product to achieve full compliance with the highly-esteemed Digital Cinema Initiatives (DCI) theater technology standards prior to its commercial release. This certification acknowledges the display's ability to showcase the complete color spectrum with unaltered accuracy.

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI and LED solutions. For the latest news, please visit the Samsung Newsroom at <http://news.samsung.com>.

About Lotte Cinema/Entertainment

Lotte Cinema/Entertainment is a Korean-based entertainment company that provides theater screening, movie investment and movie distribution services throughout the globe. By showcasing a variety of culturally-relevant content, Lotte Cinema/Entertainment is committed to delivering Happy Memories to its partners and customers.

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