



8K Poised to Rule Digital Signage

8k displays are seeing widespread adoption in the digital signage arena, but there's more to the concept than just the screens. An 8K media player is a key part of any ultra-high-resolution network.

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8K POISED TO RULE DIGITAL SIGNAGE

Although digital signage has been a part of our lives for decades, the concept shows no signs of slowing down thanks to continuing advances in technology. One recent research report predicted that the digital signage market will grow to \$27.8 billion by 2026 from \$16.3 billion in 2021, a compound annual rate of 11.2 percent over the period.

Helping to drive that growth, [the report says](#), is surging demand for 8K displays. [Another report](#) predicts the market for 8K displays will significantly outpace the growth of the overall digital signage market over the 2021-2026 period, with a 32.9 percent compound annual rate. Display maker Samsung, for example, says more than 50 percent of digital displays being produced are of the 8K variety.

Of course, the main benefit of an 8K display is higher resolution, resulting in sharper, more detailed images. Those 8K displays feature four times the number of pixels in a 4K display and 16 times those in a 1080p display. And as with any new technology, increased adoption translates to falling prices.

So for those considering adding a digital signage network, or those planning to upgrade an existing network, 8K is a wise choice.

It's not enough, though, to simply upgrade the signage. Achieving the benefits offered by 8K requires a media player that can deliver 8K content.

A new wave of media players

To help meet the demands of today's ultra-high-definition digital signage networks, technology vendors are introducing media players capable of delivering content in 8K.

One of the latest entries into the 8K digital signage player market, for example, is the [SI-654-N digital signage player](#) produced by IBASE Technology. Founded in 2000, IBASE specializes in the design and manufacturing of robust industrial PC products, delivering high-quality products and excellent service.

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“The industrial-grade SI-654-N is perfectly suited for video wall solutions in airports, shopping malls and other commercial premises that require reliable 24/7 operation.”

The SI-654-N is a fanless 8K digital signage player powered by Intel’s latest 11th Gen Core™ U-Series processors (formerly Tiger Lake). The SI-654-N is manufactured with Intel’s 10nm SuperFin transistor that achieves up to 17.5% performance uplift and significantly higher clock speeds at lower power compared to the original 10nm. It is currently offered with an Intel® Core™ i7-1185G7E processor (12M Cache, up to 4.40 GHz) integrating the high-performance Iris Xe GPU, Intel’s 12-Gen graphics with 96EUs.

And as those networks are increasingly being installed in locations where space is at a premium, signage players are becoming smaller as well. Measuring 200 x 139 x 41 mm, the compact SI-654-N can be easily installed in space-constraint environments.

And as many locations return to 24/7 operation in the aftermath of the COVID-19 pandemic, around-the-clock reliability is critical. Mainly designed for digital signage in busy places where there is a constant demand for practical information, the SI-654-N features HDMI-CEC control, display status monitoring, flexible video wall configurations and hardware EDID emulation that prevents distorted or black screens due to display or cable connection issues. The industrial-grade SI-654-N is perfectly suited for video wall solutions in airports, shopping malls and other commercial premises that require reliable 24/7 operation.

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“With IBASE advanced iSMART and Observer technologies, the player is equipped with low-temperature boot protection, power resume control, power on/off scheduling, OS recovery, and hardware monitoring...”

With IBASE advanced iSMART and Observer technologies, the player is equipped with low-temperature boot protection, power resume control, power on/off scheduling, OS recovery, and hardware monitoring to enable power efficiency and stable operation of the system. And because security and the ability to troubleshoot issues remotely is a necessary part of any digital signage network, the SI-654-N supports TPM 2.0 for optimum cybersecurity and vPro for easy remote monitoring and management.

The standard model (SI-654-N7) comes with 8GB DDR4 memory, 128GB M.2 storage, 84W power adaptor, and expansion functionality provided by M.2 E-Key/B-Key slots. It houses four HDMI 2.0 connections to deliver up to 1x 8K display or 4x 4K displays, performing a vivid 8K resolution and ensuring a truly immersive audience’s viewing experience.

For any business or facility desiring to communicate its message in an eye-catching and engaging manner, there may be no better method than by utilizing a digital signage network featuring 8K displays. IBASE has been at the forefront of delivering digital signage content for more than two decades, and the SI-654-N digital signage player continues in that role.

SI-654-N 11th Gen Intel® Core™ U-Series Processor Fanless 8K Signage Player with Intel® Gen12 Integrated Graphics and Four HDMI 2.0

- iSMART intelligent energy-saving & Observer remote monitoring technologies
- 11th Gen Intel® Core™ U-series processor
- 4x HDMI 2.0 with independent audio output
- Built-in hardware EDID emulation function
- HDMI-CEC and display monitoring functions
- 2x DDR4-3200 SO-DIMM, dual-channel, Max. 64GB
- 1x M.2 B-Key (3042) for 4G LTE
- 1x M.2 E-key (2230) for WiFi, Bluetooth or capture card options
- TPM 2.0, vPro and watchdog timer
- Industrial-grade robust, fanless and compact design



Source: IBASE

ABOUT THE SPONSORS:

IBASE Technology Inc. is a reputable manufacturer and supplier of industrial motherboards, embedded systems, panel PCs, digital signage players and network appliances in the Industrial PC and fast-growing AIoT markets. Since it was established in 2000, IBASE has been committed to the production of high-quality products, and to the rendering of excellent services. The company is publicly listed in the Taipei Exchange (TPEX: 8050) and is now a leading global provider of innovative industrial and embedded computing products. IBASE has a full range of digital signage system products catering across vertical markets including retail, fast food, hospitality, education and financial. Depending on their requirements, customers can choose the models based on performance, number of displays, resolution and ventilation designs. For more information, please visit www.ibase.com.tw.

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