



## Himax and Kneron Jointly Announce 3D Sensing and AI-enabled Security and Surveillance Solution

**TAINAN, Taiwan – October 24, 2018** – Himax Technologies, Inc. (Nasdaq: HIMX) (“Himax” or “Company”), a leading supplier and fabless manufacturer of display drivers and other semiconductor products, and Kneron, a leading company in edge artificial intelligence (AI) solutions, today jointly announced a collaboration to accelerate the development and commercialization of a high precision and high performance 3D sensing and AI-enabled security and surveillance solution. Himax and Kneron will demonstrate the solution prototype at the 14th China International Exhibition on Public Safety and Security in Beijing on October 23-26, 2018.

The collaboration brings together Himax’s SLiM™ (Structured Light Imaging Module), an industry leading structured light-based 3D sensing hardware total solution consisted of its cutting-edge design and manufacturing capabilities in optics, NIR sensors, ASIC as well as unique know-how in 3D sensing system integration, and Kneron’s dedicated edge artificial intelligence (AI) processor and facial recognition algorithm with deep learning technology. The 3D sensing, AI-enabled solution can deliver real time 3D depth map generation with high resolution and high accuracy performance for indoor and outdoor environment. Furthermore, it is engineered for ultra-lower power consumption in a compact form factor, making it ideal for integration with security and surveillance system.

“While we continue working closely with leading Android smartphone makers and platform providers to enable wider 3D sensing adoption in 2019 and beyond, we are seeing emerging 3D sensing adoption in various vertical industries such as AR/VR, IoT, industrial, automotive, security and surveillance, among several others,” said Jordan Wu, President and Chief Executive Officer of Himax Technologies. “Our SLiM™ is a turn-key 3D sensing module that can enable facial recognition, 3D reconstruction and scene perception. With the ASIC chip for 3D depth decoding that Himax has developed, we can extend the solution beyond smartphone to wide applications without duplicating the development efforts. 3D sensing represents the most significant growth opportunity for Himax in the next few years.”

Albert Liu, the founder and CEO of Kneron, said, “We are pleased to partner with Himax to bring AI and 3D sensing technologies to new generation of security and surveillance applications. We believe this joint solution will deliver the highest performance and provide cost advantage to meet customers’ demand. We already have engagements with the leading players in the areas of IoT, smart homes as well as security and surveillance. We expect to see our solution embedded in customers’ product in 2020.”

### **About Himax Technologies, Inc.**

Himax Technologies, Inc. (NASDAQ:HIMX) is a fabless semiconductor solution provider dedicated to display imaging processing technologies. Himax is a worldwide market leader in display driver ICs and timing controllers used in TVs, laptops, monitors, mobile phones, tablets, digital cameras, car navigation, virtual reality (VR) devices and many other consumer electronics devices. Additionally, Himax designs and provides controllers for touch sensor displays, in-cell Touch and Display Driver Integration (TDDI) single-chip solutions, LED driver ICs, power management ICs, scaler products for monitors and projectors, tailor-made video processing IC solutions, silicon IPs and LCOS micro-displays for augmented reality (AR) devices and heads-up displays (HUD) for automotive. The Company also offers digital camera

solutions, including CMOS image sensors and wafer level optics for AR devices, 3D sensing and machine vision, which are used in a wide variety of applications such as mobile phone, tablet, laptop, TV, PC camera, automobile, security, medical devices and Internet of Things. Founded in 2001 and headquartered in Tainan, Taiwan, Himax currently employs around 2,200 people from three Taiwan-based offices in Tainan, Hsinchu and Taipei and country offices in China, Korea, Japan, Israel, and the US. Himax has 2,983 patents granted and 493 patents pending approval worldwide as of September 30<sup>th</sup>, 2018. Himax has retained its position as the leading display imaging processing semiconductor solution provider to consumer electronics brands worldwide.

<http://www.himax.com.tw>

## **About Keron**

Kneron, a leading provider of edge AI solutions, founded in 2015 at San Diego, U.S., provides software and hardware integration solutions, including edge device-specific neural network processors (neural processing units, NPU) and various visual recognition software. Kneron currently has offices in San Diego, Taipei, Shenzhen and Zhuhai and has global clients and partners. Kneron announced the completion of series A financing on November, 2017. Alibaba Entrepreneurs Fund and CDIB Capital Group are the lead investors, and Himax Technologies, Inc., Qualcomm, Thundersoft, Sequoia Capital (its sub funds: Cloudatlas), and CY ZONE are co-investors. On May, 2018, Kneron completed its series A1 financing led by Horizons Ventures, a venture capital firm founded by Mr. Ka-shing Li.

<http://www.kneron.com/>

## **Forward Looking Statements**

Factors that could cause actual events or results to differ materially include, but not limited to, general business and economic conditions and the state of the semiconductor industry; market acceptance and competitiveness of the driver and non-driver products developed by the Company; demand for end-use applications products; reliance on a small group of principal customers; the uncertainty of continued success in technological innovations; our ability to develop and protect our intellectual property; pricing pressures including declines in average selling prices; changes in customer order patterns; changes in estimated full-year effective tax rate; shortages in supply of key components; changes in environmental laws and regulations; exchange rate fluctuations; regulatory approvals for further investments in our subsidiaries; our ability to collect accounts receivable and manage inventory and other risks described from time to time in the Company's SEC filings, including those risks identified in the section entitled "Risk Factors" in its Form 20-F for the year ended December 31, 2017 filed with the SEC, as may be amended.

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