

Imaging



Computer Vision



CDNN



Connectivity



LTE Baseband



Audio-Voice



Always-on

## CORPORATE PROFILE

CEVA is the leading licensor of signal processing IP for a smarter, connected world.

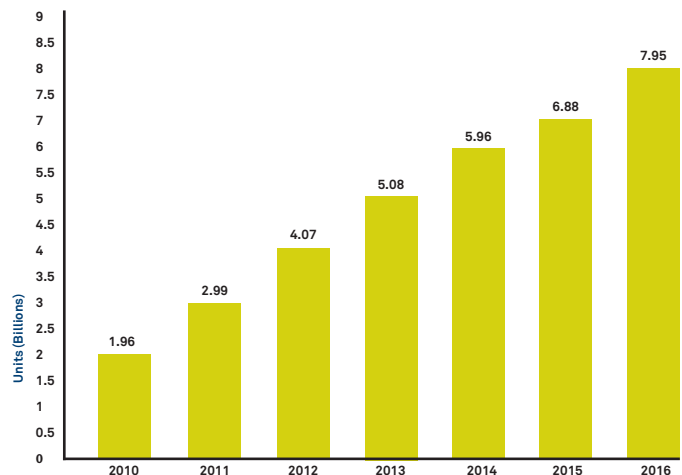
We partner with semiconductor companies and OEMs worldwide to create power-efficient, intelligent and connected devices for a range of end markets, including mobile, consumer, automotive, industrial and IoT.

CEVA's state-of-the-art technology is primarily deployed in high volume markets including smartphones, mobile computing (tablets, notebooks, wearable devices), the Internet of Things (Bluetooth Low Energy Devices) the connected home (smartTVs, set-top-boxes, game consoles, access points, residential gateways), automotive, enterprise storage, wireless infrastructure (small cells, base-stations) and industrial (Machine-2-Machine, smart grid, surveillance).

To date, more than 8 billion CEVA-powered chips have been shipped worldwide, for a wide range of diverse end markets. Our customer base of more than 300 licensees includes many of the world's leading semiconductor and consumer electronics companies. Actions, Autotalks, Beken, Brite, Broadcom, Celeno, Cirrus Logic, Dialog Semiconductor, DSP Group, Espressif, FujiFilm, iCatch, Intel, Leadcore, LG Electronics, Mediatek, Novatek, NXP, Oticon, RDA, Renesas, Rockchip, Rohm, Samsung, Sharp, Silver Spring Networks, Socionext, Sony, Spreadtrum, STMicroelectronics, Toshiba, Vatics, Yamaha and ZTE all leverage CEVA's industry-leading DSP cores, platforms and connectivity IPs.

CEVA employs more than 290 people worldwide, with research and development facilities in Israel, Ireland and France and sales and support offices in Hong Kong, China, Taiwan, Korea, Japan, Sweden, France and the United States. CEVA is traded on the NASDAQ stock exchange (NASDAQ:CEVA).

CEVA-powered Cumulative Chip Shipments 2010-2016



## CEVA Signal Processing Cores

**CEVA-XM - The Ultimate Deep Learning & Artificial Intelligence Embedded Platform.** CEVA-XM DSPs address the most intensive computer vision applications such as video analytics, object recognition, augmented reality and advanced driver assistance systems (ADAS), using efficient deep neural network (DNN) implementations, as well as sophisticated computational photography functions. By offloading these performance-intensive tasks from the CPUs and GPUs, CEVA-XM DSPs dramatically reduce overall system power consumption.

**CEVA-X - High performance, high efficiency, VLIW/SIMD scalable processors.** The CEVA-X family targets applications including 4G/5G PHY control in wireless baseband, wireline broadband communications, and advanced sound processing for mobile and smart-home, that require a mix of DSP and control functionality. The CEVA-X family further offers a lightweight single-core multi-purpose IoT processor for short and long range wireless, positioning, and sensor-fusion functionality, all in one.

**CEVA-XC - Extreme performance SDR vector processors coupled with flexibility, scalability, and ultra-low power consumption.** The CEVA-XC family fully addresses the requirements of software-based modems in applications including software defined radio (SDR), PHY and MAC processing tasks for wireless handsets, mobile computing, connectivity and wireless infrastructure.

**CEVA-TeakLite - Ideal for high volume, cost-sensitive markets.** The CEVA-TeakLite family combines small die size, low power consumption and high processing power. Target applications include always-on voice activation, embedded speech recognition, and advanced audio/voice processing in mobile, DTV/STB, smart-home, and surveillance.

## CEVA Platforms

### RivieraWaves Wi-Fi

This comprises an innovative and scalable set of 802.11a/b/g/n/ac MAC and modem IPs composed of hardware and software for easy integration into ASICs and FPGAs. Use cases span from ultra-low power Internet of Things to leading-edge wireless Small Cells and Access Points.

### RivieraWaves Bluetooth

Designed for flexibility, portability and configurability, this is ideal for integration into a wide range of embedded applications. It supports Bluetooth 4.2 and 5 in both Low Energy and Dual Mode and is used in wireless speakers, headsets, and wearable devices for medical, sports, toys, environment sensors, smartphones, and other mobile computing platforms.

## CEVA Development Environment

**All the tools required to deliver your product successfully, including:**

- › Complete set of development, debug, and optimization tools for software developers.
- › CEVA Deep Neural Network (CDNN) framework to accelerate machine learning deployment at the push of a button for XM DSPs.
- › CEVA Android Multimedia Framework (AMF) providing seamless Android integration with CEVA DSPs.
- › Hardware Development Tools powered by CEVA IP implementations in FPGA or silicon, with everything required by system developers and integrators.
- › System Modeling Tools for complete system-level modeling and simulation.

**USA**  
1174 Castro Street  
Suite 210  
Mountain View  
CA, 94040  
Tel: +1 (650) 417 7900

**Israel**  
2 Maskit Street  
POBox 4047  
Herzliya 4612001  
Tel: +972 9 961 3700

**Ireland**  
2nd Floor  
18/19 South William  
Street, Dublin 2  
Tel: +353 1 237 3900

**France**  
RivieraWaves S.A.S  
Les Bureaux Green Side 5, Bat 6  
400, avenue Roumanille, 06410  
Biot, Sophia Antipolis  
Tel: +33 4 83 76 06 00

**Sweden**  
Klarabergsviadukten 70  
Box 70396  
107 24 Stockholm  
Tel: +46 (0)8 506 362 24

**Japan**  
1-6-5 Shibuya  
SK Aoyama Bldg. 3/F  
Shibuya-ku  
Tokyo 150-0002  
Tel: +81-3-5774-8250

**South Korea**  
#478, Hyundai Arion 147  
Gumgok-Dong,  
Bundang-Gu,  
Sungnam-Si  
Kyunggi-Do, 463-853  
Tel: +82 31 704 4471

**Hong Kong**  
Level 43, AIA Tower  
183 Electric Road  
North Point  
Hong Kong  
Tel: +852 3975 1264

**China - Beijing**  
Room 503, South Wing,  
Tower C Raycom InfoTech  
Park No.2, Kexueyuan  
South Rd. Haidian  
District, Beijing 100190  
Tel: +86-10 5982 2285

**China - Shanghai**  
Unit 1203, Building E  
Chamtime Plaza Office  
Lane 2889, Jinke Road  
Pudong New District  
Shanghai, 201203  
Tel: +86-21 22236789

**China - Shenzhen**  
Room709, Tower A  
SCC financial centre  
No. 88 First Haide Avenue  
Nanshan District  
Shenzhen, 518064  
Tel: +86-755 86595012

**Taiwan**  
6F-5, No. 8 Ziqiang S. Rd.  
Zhubei City  
Hsinchu County 302  
Taiwan  
Tel. +886 955450 552