The intelligent technology Company

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NOWHERE, but HERE.

MACNICA EUROPE GmbH
Ingolstadt  ●  Munich  ●  Dortmund  ●  Milton Keynes
HD- and Ultra-HD (4k) video compression and processing SoCs, low-power "IP-cameras-on-a-chip" supporting artificial intelligence (AI) applications.

Single lenses and optical systems with electrical focus or axis control based on a patented liquid lens technology.

Magnetic field sensors based on MLU technology for current, motion, rotation measurement and magnetic switches.

Custom design for ICs, ASICs, SoCs, FPGAs and embedded systems. Turnkey test & production services, digital and analog Silicon IP-Core design.

Low-Power Wi-Fi and Bluetooth System-On-Chips (SOCs), certified modules and wireless solutions for IoT, home automation and Industry 4.0.

PC peripheral devices including high-speed I/O Interfaces like USB, PCIe or SATA. Hub contr., bridges, Card readers, USB camera and scanner controllers.

NAND- and NOR-FLASH storage devices with SPI interface also AEC-Q100 certified. MCU contr. series powered by ARM Cortex-M3, -M4 and Risc-V architecture.

Industrial solid state storage devices with SATA, PATA, eMMC, NVMe PCIe interfaces and BGA, mSATA, M.2, 2.5", U.2, CFast, SD/microSD form factors.

FLASH based storage devices such as SATA-SSDs or Cfast FLASH units as well as USB Flash Drives for embedded computers in industry automation.

System-on-Modules (SOMs) based on Qualcomm's Snapdragon family, single-board computer, development platforms and contract design services.

Power management dev. f. displays, LEDs and LED-arrays, PoE contr., EMI/ESD suppressor chips, protection ICS against electrostatic discharge and overvoltage.

Cameras, camera modules and platforms featuring USB, Ethernet or thin coax interfaces as well as automotive cameras and custom specific solutions.

Rugged semiconductor devices for ind. automation appl. such as rotation encoders, counters, dividers, AC- and DC-motor controllers, dimmers a. dig. keys.

Application and networking processors, ethernet-PHY's a. -switches, Switch controller, broadband a. mobile net solutions, SSD storage controller, wireless ICs.

Cell phone modules for 2G-, 3G-, 4G-, NB-IoT and eMTC standards for smart metering, telematics, mobile payment, device sharing a. many other application.

TFT displays with an unique HAST technology (hyper amorphous silicon TFT) for all applications in the consumer and industrial electronic area.

Contract design house f. IP camera Softa. Hardware using mainly Ambarella SoCs targeting several markets such as action- a. VR-cams, drones, mobile video recorders, dashcams and many more.

Battery protection ICs, power switches, DC/DC-converters, linear regulators, µC-watchdogs, power management units (PMUs), realtime clocks (RTCs).

High performance modules for MPEG-2, H.264 and H.265 encoding up to 4k, IP-Cores and Codec chips.

Motion sensing SoCs based on MEMS technology f. rotation, acceleration, magnetic fields, air pressure as well as analog and digital MEMS microphones.

IP camera SoMs and uSoMs based on Ambarella SoCs, contract design house, prototyping a. design-for-manufacturing.

Real-time capable multi core processors as software defined silicon with reference applications in the area of Audio applications.