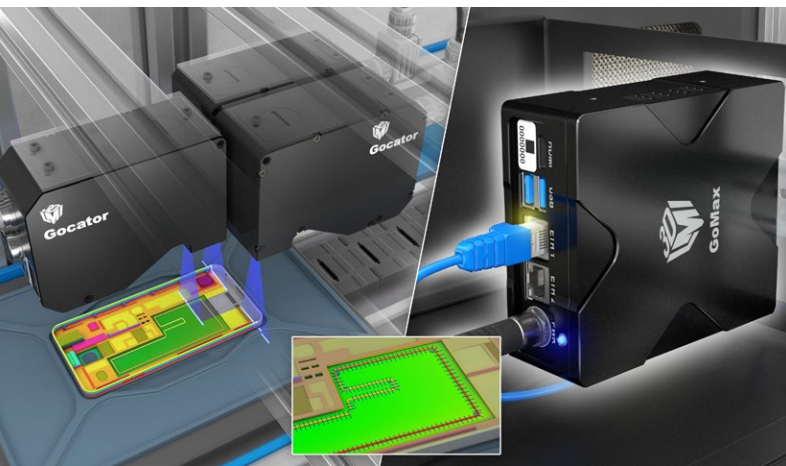


DESIGNED TO ACCELERATE YOUR 3D INSPECTION

GoMax. Smart Vision Accelerator



Solving the acceleration challenge requires a combination of CPU and GPU power. In GoMax®, the decision logic portion of the workload runs on the CPU—which is optimized for multi-threaded performance—while the compute intensive portion of the application runs on hundreds of GPU cores in parallel.



CPU
6 cores

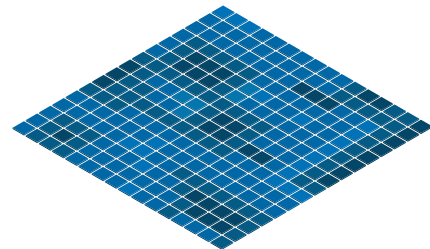
A **Central Processing Unit (CPU)** is the key component of a computer system dedicated to the interpretation and execution of **program instructions**.

Several cores with multi-threaded optimization

Processes instructions in **sequence**

Used to carry out basic arithmetic, logic, control, and input/output (I/O) operations

Sequential structure is most efficient for decision **logic driven processing**



GPU
256 cores

A **Graphics Processing Unit (GPU)** is a programmable logic chip specialized for handling **operations suitable for matrix processing**.

Hundreds of simple cores with thousands of concurrent hardware threads

Processes instructions in **parallel**

Used for computer graphics and image processing

Parallel structure is highly efficient for processing **large blocks of data**

ACCELERATE YOUR 3D INSPECTION. **TO THE MAX.**

PLUG INTO MASSIVE DATA PROCESSING POWER

GoMax. Smart Vision Accelerator

1.5 TERAFL0P/S

of server-grade data processing performance at 15W

INTEGRATED 256-CORE CUDA® PASCAL GPU

for handling large machine vision datasets at production speed

6-CORE ARM CPU WITH 8 GB MEMORY

for high-performance sequential processing

REAL-TIME RESPONSIVENESS AND MINIMAL LATENCY

for high-speed measurement and pass/fail control



NVIDIA Jetson TX2. Built-in.

Chosen for its exceptional performance in a small, power-efficient form factor, with an intelligent platform architecture highly suited to factory automation applications.



SMALL INDUSTRIAL PACKAGE

for out-of-the-box use and long device lifetime

PEER-TO-PEER DISTRIBUTED DESIGN

for non-PC acceleration of multi-sensor systems

PLUG-AND-PLAY SETUP WITH WEB-BASED INTERFACE

for ease of use with any Gocator® 3D smart sensor(s)

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