EDGE AI

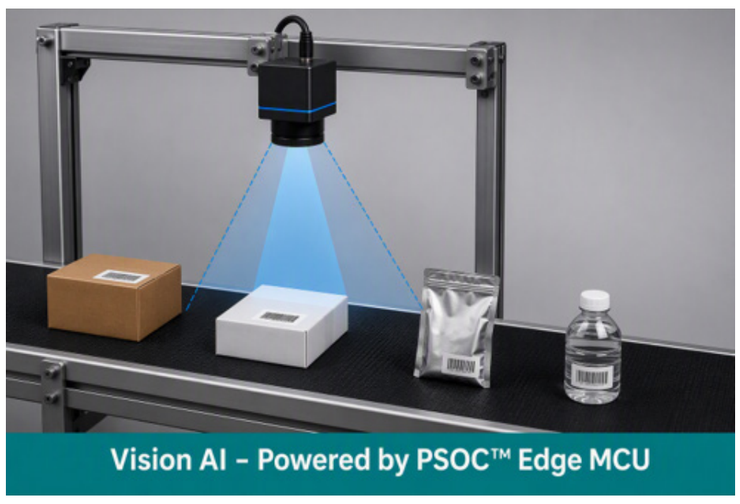
# Energy-efficient vision AI with PSOC™ Edge MCU

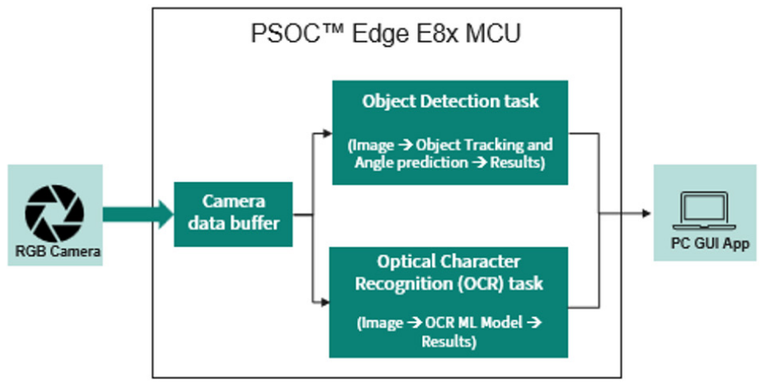
Vision AI applications are now in microcontroller-class devices with PSOC™ Edge MCUs enabled by DEEPCRAFT™ AI Suite. With rich on-chip compute/ML accelerators (Arm® Cortex® M55, Arm® Ethos™ U55/U85), high-bandwidth on-chip memory, and hardware-accelerated HMI subsystems, PSOC™ Edge has all the hardware features required for multi-modal HMI, edge AI applications.

**Benefits**
- Multiple object detection
- Multiple OCR  detection/recognition
- Easily customizable for other objects
- Multimodal HMI features in a single MCU (vision, video, audio, graphics)
- Minimum BOM and space (MCU vs MPU)

**Highlight products**
- PSOC™ Edge E8x microcontrollers
- DEEPCRAFT™ AI Suite

**Applications**
- Factory floor automation
- Commercial/grocery stores
- Warehouse inventory tracking

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