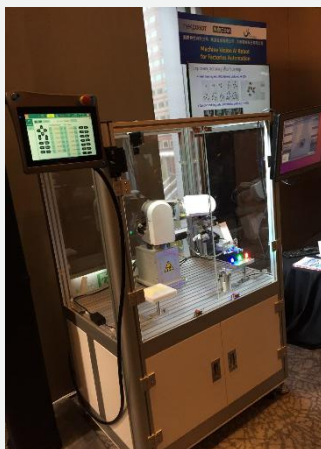


# Robot AI Vision Solution Pack



## Main Features

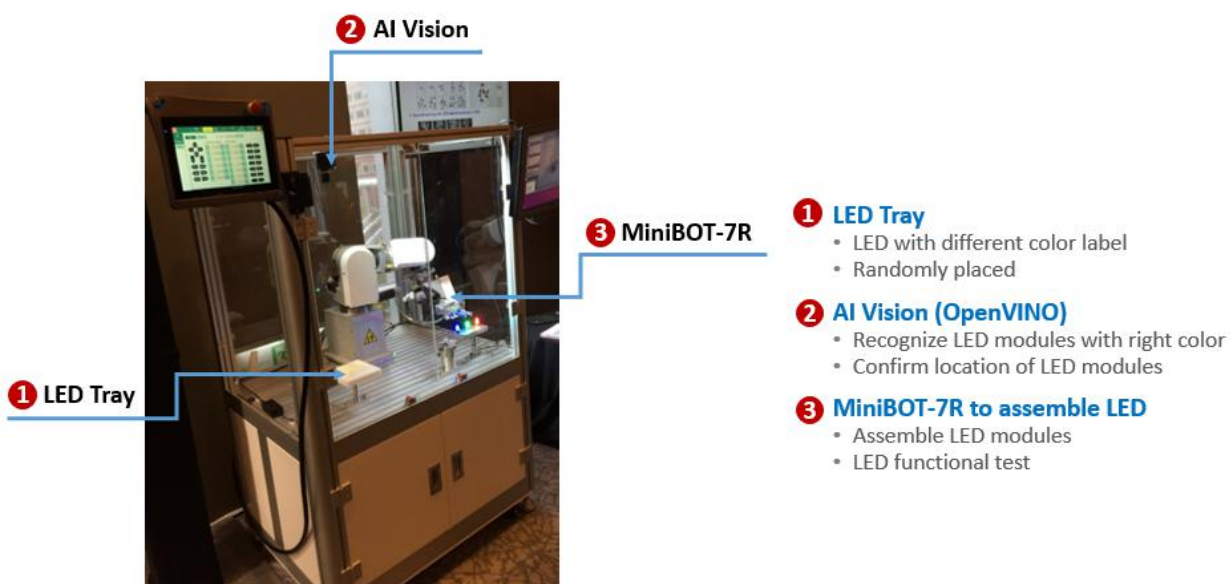
- Combination of robotics & AI vision
  - 7-axis educational robot
  - Vision inspection
  - AI technology

## Product Overview

NexCOBOT delivers robotic with AI vision solution for Industry 4.0, powered by NexCOBOT's 7-axis articulated robot. The solution leverages Intel's Movidius™ Myriad™ X VPUs to accelerate the computing performance, and also uses intel's OpenVINO toolkit to optimize machine vision programs. Using AI technology can enhance the precision and efficiency of object inspection and reduce human error, therefore it can achieve process optimization in factory automation.

## Specifications

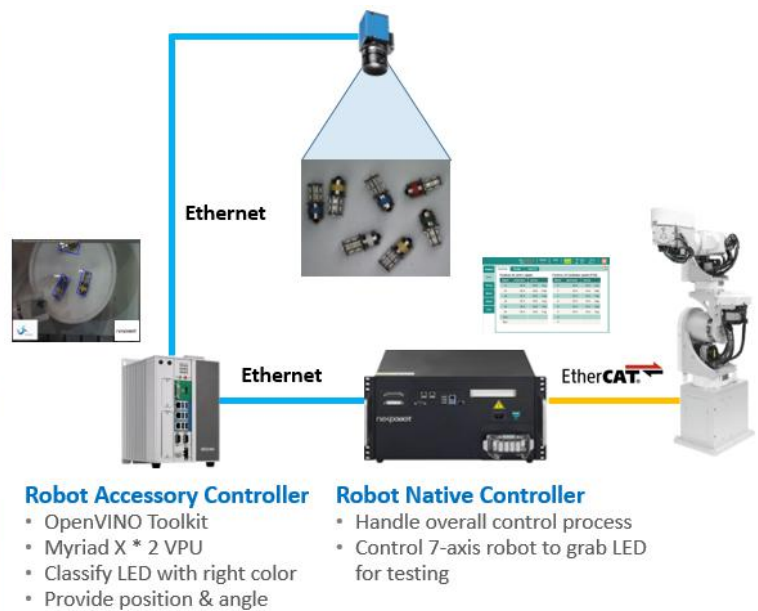
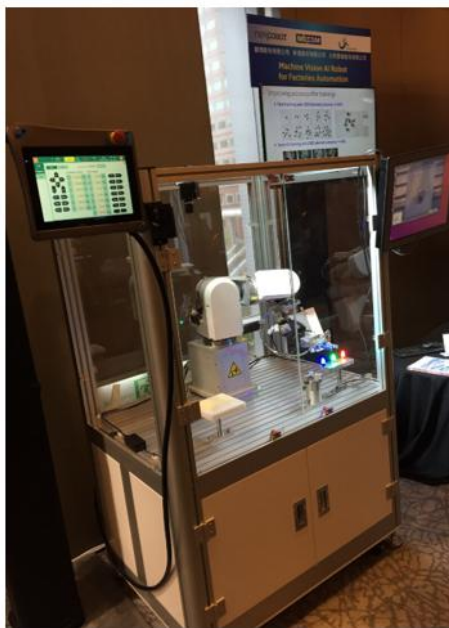
### Solution Scenario



## Solution Pack Configuration

- Robot arm: MiniBOT-7R
  - 7-axis articulated robot, 1 kg payload
  - Powered by Intel® Celeron G3900 processor
  - EtherCAT communication
  - NexGRC robot control software
- AI Vision System
  - Intel® 6th-gen Core i5-6500TE processor
  - Intel Movidius™ Myriad VPU mPCIe accelerator card
  - Intel OpenVINO™ Tool kit
  - 1.9M color camera

## Solution Architecture



## Target Application

- Manufacturing automation
- Robotics education and research
- Demonstration

## Dimensions

- 100 (W) x 130 (L) x 230 (H) cm

## Ordering Information

- Robot AI Vision Solution Pack  
P/N (TBC)