AINavi-AOI-Seq

Manufacturing Robotic Program Development Tool



Features

- Easy-to-manage graphical user interface
- Drag-and-drop logical process editor
- Embedded communication interface supports COM port, TCP/IP and Modbus as well as labeling tools
- Embedded motion control function and interface supports Advantech AMAX-3110 standalone 6-axis pulse train motion control
- Embedded digital I/O function supports Advantech iDoor/USB Module and PCIE card
- Project authorization management and logfile record

Introduction

AINavi-AOI-Seq are program development tools powered by Smasoft used in automated robotic equipment. These program development tools place an equipment operation process editor at their foundation and are support multiple robot control modules — including industrial cameras, inspection algorithms, multi-axis motion control solutions, robotic arms, and digital I/O signals. This solution empowers quick operation process configuration, and facilitates complete automated optical inspection, positioning, and material transfer.

AINavi-AOI-Seq includes the following software features:

Vision Inspection Applications

- Graphical User Interface for inspection configuration
- Traditional algorithm interrogation and AINavi-AOI-Industrial AI trainer/inference
- Supports positioning, defect inspection, size measurement, quantity calculation, optical character recognition, and barcode reading

Robotic Arm Applications

- Graphical User Interface for robotic arm operation
- Supports multiple brands of robotic arm — e.g. Epson, Techman Robot, and ABB
- Embedded visualized positioning system
- Embedded automatic path planning and emergency stop automatic assignment mechanism

https://advavee.com

Ordering Information

SW License

Part Number	Description
Y5A730A006	AINavi-AOI-seq, Advanced Level
Y5A730A003	AINavi-AOI-seq

Training platform

Part Number	Description
MIC-770	Compact fanless System with 8th Gen Intel® Core™ i CPU. Win10, i7-8700, 16G, and 256GB SSD.

All product specifications are subject to change without notice.