Imaging & Motion Control Trainer
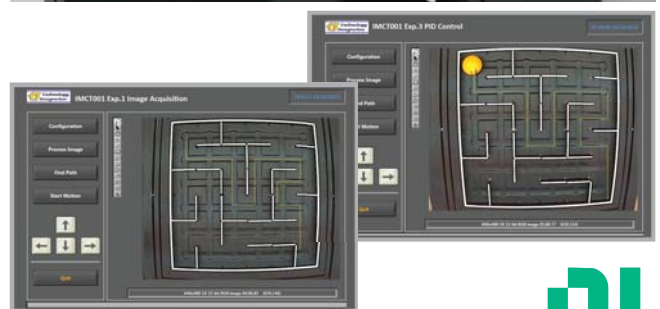
Technology Integration

Curriculum Coverage

- Image Acquisition
- Image Analysis & Processing
- PID Control
- Motors Drive & Control
- Machine Vision Applications

Features

- Computer based Imaging and Motion Control Trainer used to teach image acquisition, analysis, processing & control

- Includes all required cameras and actuators to perform the experiments list

- For use with NI's Data Acquisition & Control hardware

Description

IMCT001 is a training setup intended for teaching courses in image processing and motion control, as well as a tool for practicing simple artificial intelligence tasks.

Students can use this easy and interactive setup to learn image processing algorithms including: edge detection, pattern matching...etc. and using these algorithms to find the open path in a maze. Moreover, the students can learn how to drive and control motors and how to combine imaging and motion control to build real life applications.

Developed for use with a wide variety of National Instruments image acquisition and motion control platforms.

Components

- Maze
- Camera
- Motors
- Moving objects

NI[1] Compatible Platforms

- Compact RIO
- Others[2]

[1.] NI

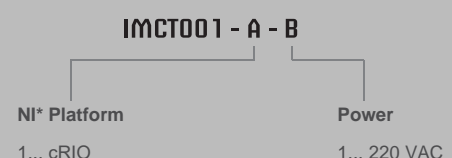[2.] Please check with us about compatibility of other NI Platforms

Required NI Modules

- cRIO: NI-9401

Software

- User friendly with easy to use interface
- Developed using NI LabVIEW package
- Built-in safety features & limitations, and designed for students' use

Ordering Information
Imaging & Motion Control Trainer

IMCT001 - A - B

NI* Platform	Power
1... cRIO	1... 220 VAC

*Purchase NI Hardware Separately

For complete product specifications, pricing, and information:
e-mail: info@ti.jo / website: www.ti.jo

and Images are subject to change at anytime without prior notice.