

ONLINE MACHINE VISION KIT

Machine Vision is the application of Computer Vision to industry and manufacturing with image processing & control. Machine Vision system is always a combination of sensors, cameras, controls and software connected to a computer.

Now, **ONLINE SOLUTIONS (IMAGING) PVT. LTD.**, provides the most powerful Machine Vision sub system that includes High Performance Monochrome Digital Camera with accessories, Optics, Machine Vision Software from world's renowned vision companies. This Kit along with Online Machine Vision Experiment Kit** facilitates setting up Machine Vision Lab that brings Industrial Machine Vision Experience ready on desktop.

HIGHLIGHTS

- To Learn Machine Vision Concepts in terms of Camera, Optics, Image Processing and control
- To develop rapid Machine Vision application prototypes and real-time applications

SPECIFICATIONS

Hardware

Digital Monochrome GigE Vision Camera

- CCD Monochrome
- 1024 x 768 pixels @ 20fps
- 8 and 10-Bits
- C Mount
- GigE Interface
- Supports cable lengths up to 100m
- Global electronic shutter with exposure control
- Higher frame rates achievable in partial scan mode

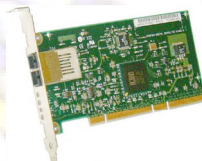


GigE Vision

- is a new camera interface Standard developed using the Gigabit Ethernet communication protocol to allow fast image transfer using low cost standard cables up to 100 metres and beyond.

Accessories

- ❖ GigE Interface Card
- ❖ Standard Lens
- ❖ Power Supply
- ❖ Cables
- ❖ Copy Stand



Software

Sherlock (GUI)

- ◆ Configure applications from a point and-click environment. No traditional Programming required.
- ◆ Large selection of high-performance machine vision operations and algorithms, including image processing operations like Arithmetic, Logic, Morphology, Filtering Segmentation, Edge Detection and Geometry, Measurements and Analyses operations include Edge Analysis, Blob Analysis, Contrast Detection by Variance & Statistical, Calibration, Search Edge, Search Correlation, Search Geometric, OCR and Barcode
- ◆ Color Tools to learn colors for monitoring, classifying, sorting, tracking, and counting objects.
- ◆ Flexible interface allows you to customize the operator's interface to suit your requirements



APPLICATIONS

- ❖ Assembly Verification
- ❖ Gauging
- ❖ Flaw Detection
- ❖ Presence / Absence
- ❖ Optical Character Verification (OCV)
- ❖ Robot Guidance
- ❖ Barcoding
- ❖ Optical Character Reading (OCR)
- ❖ Color Classification

HOST PC REQUIREMENTS

- ❖ A Intel Core system or above with Minimum of 512MB RAM, Minimum of 300MB disk space to hold the application files
- ❖ Direct X Compatible Graphics Accelerator Card with 32 MB Memory
- ❖ Windows Compatible Mouse, Keyboard
- ❖ Windows XP Professional SP2 (Please contact us for other Windows OS)

ORDERING INFO

Online Machine Vision Kit:

Ordering Code1: **ONL-MV-APPKIT**

- ❖ Monochrome GigE Camera with accessories , Optics, GUI Software

Ordering Code2: **ONL-MV-EXPKIT**

- ❖ Monochrome GigE Camera with accessories, Optics, GUI Software &

Online Machine Vision Experiment Kit

Optional:

1. **Digital Color Camera Kit**
Ordering Code: **ONL-MV-COLCAMKIT**
2. **Machine Vision Development SDK Software (Sapera Essential)**
Ordering Code: **ONL-MV-SDKKIT**
3. **Machine Vision Lighting Kit**
Ordering Code: **ONL-MV-LIGHTKIT**
4. **Optics Kit**
Ordering Code: **ONL-MV-LENSKIT**
5. **Robotics Kit** (Please contact us for details & ordering info)

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Dealer Information

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