

IntegraVision

IntegraVision is the latest generation of Print and Mail Integrity Solutions from Lake Image Systems. Based on our MultiCam Manager suite of software modules, in combination with our MaxRead integrated camera range, IntegraVision leads the way in performance, ease of use and flexibility.

Our MultiCam Manager pulls together the images and data from a wide variety of camera and scanner based technologies and allows the implementation of any number of IntegraVision software tools to read, control, inspect, verify, log and report – providing 100% quality inspection and print data integrity.



IntegraVision has been proven on a wide range of printing and mailing equipment, including:

- **Laser and Inkjet printers (continuous web and sheet)**
- **Envelope Inserters**
- **High Speed Cutters and Collators**
- **Plastic Card Attachers**
- **Stitchers**
- **Folders**
- **Wrapping lines**

Read

- OCR (Optical Character Recognition)
- Barcode
- 2D Code
- Postal Barcodes
- OMR (Optical Mark Recognition)

Inspect

- Address Masking through envelope window
- Presence of Indicia and Postage Metering
- Location of Scratch panels for PIN numbering

Log

- 100% proof of mailing/printing
- Operator/job/production data

Control

- Document collation
- Selective inserting
- Batch/Stack, Edge mark, Zip sort
- Read and Print Inkjet control
- Document matching

Verify

- Correct sequencing
- Print file reconciliation
- Identify Duplicate and missing pieces

Report

- Full networked reporting of print integrity and machine productivity



Input Devices

Cameras Up to 12 asynchronous MaxRead integrated modules

- Hi-Res Grey Scale imaging
- Continuous or Strobe illumination
- LED, White Light or IR options

Line Scan camera (see **IntegraVisionLS**)
High Speed Progressive Scan and Partial Scan

Serial Input devices Up to 8 simultaneous
Barcode/2D Scanners
Magnetic Stripe readers

Triggering Up to 16 digital inputs
Up to 2 encoders

Processor

Operating System Processor Windows™ NT/XP
Intel Pentium IV

Process Time Data acquire, decode and transmit <20msec
Up to 60,000 pieces per hour approx
Linear speed up to 250ips (6m/sec)

Chassis Standard PC or Industrial Rack (IP54 rated)
Power 110-230VAC

Approvals CE/UL Certified



LIS MaxRead modules provide an integrated solution for the camera, illumination and optics.

Outputs

Digital Outputs 3 fully configurable, opto-isolated digital output lines for:

- Divert
- Batch
- Machine Stop

Data Outputs Each output can be independently configured,
12 x RS 232 serial outputs
Network (TCP/IP)

Supported Code formats

OCR Fully font trainable by system operator
Skew: ±15 Deg
Font Size: 6 point to 12 point typical

Barcode

- EAN 13
- EAN 8
- UPC A
- UPC E
- Code 128
- Code 39
- Code 93
- 2/5 interleaved
- 2/5 discrete

2D

- Datamatrix
- PDF417

Postal Barcodes

- US Post Office Postnet Code
- UK Post Office Four State Code
- Australian Post Office
- Japanese Post Office Code
- Planet Code

Software functionality

A range of software modules is available to provide a variety of print and mail inspection functions.

- Static Verify (base stock verification)
- Address Masking
- Sequential Inspection
- File Audit (reconciliation to the print file)
- Production Reporting
- Matching



Europe and Rest of World

The Americas

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