# INTELLIGENT MAIL BAR-CODE VERIFICATION & TRACKING

205 Summit Point Drive, Suite 2

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Use this Media Code: 4419

omart Univer 29 Brimfield Cir. Fairport NY 14450-8966

Smart Driver

NW9.Q3.1

Henrietta, NY 14467

IntegraVision's Intelligent Mail Bar-Code tool eliminates costly re-work, spoilage and postal errors associated with poorly printed IMB codes. IntegraVision additionally provides simultaneous tracking verification to ensure no missing or duplicate pieces (IMB codes) are produced within a production run.

Integrated at the output of an inserter, mailing base or stitcher, IntegraVision warns of deteriorating and/or failing IMB decodes, enabling users to optimize postage automation discounts. IntegraVision analyzes each bar-code based on the same dimensional standards utilized by the USPS including:

- Streaks

• Tilt

Voids

- Skew
- Correct number of bars
- Bar height
- Zone clearance
- Bar rotation
- Proper spacing
- Bar width Check digit verification
- Decodes each IMB Code
  - Records each IMB Code
- Capable of analyzing laser, inkjet and alternatively printed IMB codes, IntegraVision provides machine control outputs (machine stop, divert or operator alert) when a user definable number of invalid codes is identified and provides comprehensive reporting.

Since the Intelligent Mail Bar-Code contains user definable character spaces, the user can apply sequence numbers or unique identifiers within the IMB. IntegraVision identifies missing/duplicate pieces by verifying sequence on these user definable characters or by comparing these identifiers to a database. This provides the user with immediate IMB quality verification & piece level integrity tracking from the same verification system.

Based on a Windows platform, the IMB verification tool works simultaneous with IntegraVision's other software tools. The same system providing IMB verification can simultaneously provide:

- Matching
- Sequencing verification
- · Comparing production to print file information
- Tray break & bundle break sorting
- Base stock verification
- Address masking verification
- Production & piece level integrity reporting

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Lake Image Systems

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## **SPECIFICATIONS:**

### **INPUT DEVICE**

• High resolution area scan camera

### SPEED

• 90,000 pieces per hour

- Leading edge sensor
- Encoder (optional)

### **PC SPECIFICATIONS Operating System**

### Windows XP

Processor

• Intel Pentium IV (minimum)

- Chassis
- Desktop PC (supplied with system)
- Power

• 110V

### OUTPUTS

### **Digital Outputs**

- Opto-isolated outputs for machine control
  - Divert
  - Machine stop

### **Data Outputs**

- RS-232 serial output
- Network output (TCPIP)

### REPORTING

- Status of each piece
- Decode of each Postnet code w/time/date stamp
- Run time errors/warnings for each failure type

# INTERFACE

- Simple set-up, operation and job storage
- User definable tolerances for each Postnet measurement criteria

# **STANDARD CONFIGURATION**

## • PC

- Monitor
- Keyboard & touchpad
- Cabling
- Trigger sensor
- Camera bracket
- Camera
- Lighting
- 1/0 kit
- IntegraVision PV software

### **OPTIONS**

- Encoder trigger
- Monitor stand
- Additional IntegraVision software tools including: sequence verification, file audit, batch/sort, base stock verification, matching, OCR, 2-D/linear bar-code tool and address masking tool

# IntegraVision PV can be reliably

added to the output section of: Inserters

- Inkjet equipment
- Stitchers
- Polywrap lines

195

20

- Mailing base equipment
- Plastic card processing

Units

equipment

Total pieces:		7
A/a:	0/0	Bar too tall
B/b:	070	Bar too short
C/c:	0/0	Bar too wide
D/d	070	Bar too narrow
H/h:	070	Baseline shift
1/1	0/39	Bartilt
K/k:	0/0	Pattern skew
LA:	0/0	Bar pitch too close
M/m:	0/0	Bar pitch too far apart
P/p:	0/0	Barcode clearance problem
S:	2	Barcode will not decode
U/u:	0/0	Bar space too close
V/v:	0/0	Bar space too far apart

### Minimum Maximum C Inches Error Warning Warning Error 218 2.38 < 4.36 4.75 Tall Bar Height 0.59 0.99 1.98 Short Bar Heigh ( 173 01 0.2 < 0.89 1.09 Bar Width **Baseline Shift** < 0.396 0.59 0.99 0.99 Top Clearance 0.99 0.99 Bottom Clearance 3.18 3.18 Left Clearance 318 318 **Bight Clearance** Pattern Skew (letters) 55 7 Bar Tilt (letters) < 5 < 10 Bar Tilt (flats) < 1.39 1.58 0.69 0.89 Bar Pitch 01 < 1.09 1.19 0.2

Bar Space

Bars Per Inch

< 24.5

Cancel

25

OK





### Lake Image Systems Inc. North American Operations 205 Summit Point Drive Suite 2 Henrietta, NY 14467 T 585.321.3630 F 585.321.3788 Mailingsolutions@lakeimage.com

### Lake Image Systems Ltd. **European Operations**

The Forum Icknield Way Tring Herts HP23 4JX UK T +44 (0)1442 892700

www.lakeimage.com