

DocuVision® 8600

Color Print Verification System



The **DocuVision 8600 Color Print Verification System** is an in-line, full-page print quality and data integrity inspection system built for interoperability with today's high-speed color inkjet printers. Providing 100% inspection of every document at web speeds up to 1,000 feet per minute, the 8600 is optimized for high-volume transactional and transpromo applications where the quality and accuracy of color documents are mission-critical to success.

Powered by Videk's proven DocuVision inspection software platform, the 8600 delivers the most flexible and robust tool set available including color quality monitoring, streak detection, barcode reading and verification, MICR and alpha-numeric text recognition, as well as page registration measurement.

When combined with Videk's RECON Manager data collection and reporting tool, the 8600 system can collect and store data such as print quality results and document data fields (such as check amounts) via an SQL-based utility. This information can then be accessed locally, via a network, or fed into enterprise ADF platforms for enhanced overall operational intelligence.

Error detection parameters and response actions are both fully user definable, enabling the 8600 to be configured to most effectively monitor your mission-critical criteria and manage outcomes appropriately – whether that means stopping the line, or interoperating with enterprise ADF systems to flag a piece for removal later in the workflow.

Integration of the 8600 into your print line is based on your selection of printer platform, space and workflow requirements,

with standalone and embedded system configurations available.

The DocuVision 8600 enables capitalizing on the latest inkjet print capabilities while reducing costly waste, tracking critical data and assuring zero-defect quality – leading to superior customer service and a competitive edge.



Features:

Built for today's mission-critical quality assurance requirements

Full page, full color 100% inspection at web speeds up to 1,000 feet per minute – essential for emerging transactional and transpromo applications.

Advanced inspection of data, color & document quality

Powered by DocuVision™ inspection technology, the industry's most robust toolset for color document quality and integrity assurance, including:

- Full-page streak detection
- Color correctness
- Data matching
- Barcode quality monitoring
- MICR inspection
- Alphanumeric and OCR reading
- Horizontal and vertical registration measurement

Comprehensive data collection and reporting

RECON manager provides centralized data capture and reporting, as well as information connectivity to enterprise ADF systems

Print job flexibility

Fully configurable for 1, 2, 3 and 4-up full-page inspection – supporting web widths up to 40" (102cm) running simplex or duplex applications

Open-source printer interoperability

Compatibility with all major color inkjet printers, including options for standalone or fully embedded integration

Intuitive, multi-function operator interface

An intuitive user interface provides full-page document viewability, with pan, zoom and image rewind functions. In addition, operators have access to an easy-to-use menu that simplifies storage and selection of inspection jobs.

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Specifications:

Printer Compatibility

Kodak	Océ	Pitney Bowes	Hewlett Packard	InfoPrint Solutions
VERSAMARK™ V-Series	JetStream™ Family	IntelliJet™ Printing System	T-300 and T-200	IP5000 Series

Automated Inspection Capabilities

2D Bar Codes		Linear Bar Codes	
Code Types	Data Matrix ECC200	Code Types	Code 25 (Interleaved or Non-Interleaved 2 of 5) Code 39 Code 128 UPCA EAN8 EAN13
Minimum Cell Size	0.020 inches square (0.51mm square)		
Resulting Minimum Matrix Sizes	8 x 8: 0.200 inches square / 5.1mm square 10 x 10: 0.240 inches square / 6.1mm square 12 x 12: 0.280 inches square / 7.1mm square 16 x 16: 0.360 inches square / 9.1mm square		
Quality Measurement	Score based on contrast, squareness and number of errors corrected during decoding.	Minimum Element Width	0.015 Inches / 0.4mm
		Quality Measurement	Score based on percentage of barcode decodable

Postal Codes

Postal Codes		OCR	
Code Types	POSTNET PLANET Intelligent Mail Barcode (IMB), UPU ID Tag Australia Post	Minimum Font Size	Printed at 300 dpi: 0.14 inches / 3.5mm (typically 10pt) Printed at 600 dpi: 0.11 inches / 2.8mm (typically 8pt)
IMB Quality Measurement	Bar height, width, spacing Clear zone Check digit	Quality Measurement	Score based on similarity of character to pre-trained sample.

Streak Detection

No Clear Zone Requirement
Isolates CMYK color channels
Minimum Width: Adjustable
Minimum Length: Adjustable

Print Registration

Orientation: Vertical and/or Horizontal
Accuracy: 0.005 inches (.13mm)
Reference: Any pre-printed mark, character, graphic or web edge

Color Alignment

Measures relative registration of CMYK color planes

Color Correctness Inspection

System trained using master image
User adjustable acceptance criteria

Sequence Checking

Track sequential information and identify breaks in sequences

Presence / Absence

Determine presence or absence of text, logos or graphics

OMR Reading

Reads standard OMR codes

Conditional Inspection

Variable inspections based on page-type or content, within a continuous variable layout print stream

Operator Interface Station

User Controls

Mouse
Keyboard
19" Color Monitor

Capabilities

Menu-driven system navigation
Pan and Zoom viewing functions
Freeze frame image display
Full-page image viewing

System Performance

Paper Speed

Maximum Speed 200 inches/sec (1,000 fpm)

Scan Width

Cross-Process Direction 10 inches per camera
Process Direction 10 inches per camera

Image Resolution

Cross Process Direction 201 dots/inch
Process Direction 201 dots/inch

System Outputs

Printer Interface Type I, 4710
Communications Outputs RS-232 Serial Output
Videk Real Time Connectivity Architecture (RTCA) via 10/100BaseT Ethernet

Power Requirements

North American Model 110-120VAC, 50/60 Hz, 10 Amps
International Model 220VAC, 50/60 Hz, 5 Amps

Environmental

Operating Temperature 40 to 95 Degrees F (4 to 35 Degrees C)
Humidity 30 to 90 percent RH

Agency Certifications

North American Model: Safety: UL/CSA, EMC: FCC
International Model: Safety & EMC: CE