





Northern Trust needed a cost-effective, high quality check imaging solution that could accommodate the needs of multiple users, occupy a small space, and reliably handle a variety of transaction volumes in different branch locations.

The results have exceeded our expectations.

Michael Valdez Vice President Northern Trust Personal Financial Services

The Panini Vision X[®] AGP

The Vision X[®] Advanced Graphic Printer, or AGP, enables banks to fully integrate receipt and validation printing with the market leading check scanner. Now banks have the added benefit of an integrated image capture solution enabling the printing of customized receipts at the teller station.

With the ability to print up to 4 lines of high resolution text or graphic characters, the Vision X AGP extends the range of possible applications of a standard check scanner with validation printing, endorsements, receipt printing with corporate logos, OCR and barcode printable characters. Each document can be printed with information that includes multi-line text, graphics or intermixed, all with any Windows font. Plus, the endorsement becomes "intelligent" — characters to be printed can be chosen through the application, based on MICR or image information.

Key Benefits

- · Provides an additional component for an already compelling business case for distributed image capture.
- Eliminates capital, maintenance, and supplies costs associated with a separate receipt printer, with no requirement for high priced roll-tape (pre-cut receipts can be used).
- Provides the ability to perform multiple functions in one device.
- Prints a receipt faster than a roll-tape device.
- Provides a more cost effective solution than purchasing a separate scanner and receipt printer.

This integrated scanner and printing solution has already been adopted by multiple banks.

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Technical Specifications

Performance	3 versions (SW upgradable):	Image Capture	Scanning: Next Generation Contact Image Sensor (CIS) technology (front and rear).
	VX 50: Up to 50 DPM VX 75: Up to 75 DPM VX 100: Up to 100 DPM		Image format: Bitmap in B/W, 256 shades of gray, Infrared, Color (Fast and True) and drop out mode. TIFF, JPEG and
	Performance declared for 6" checks. Final performance		G4 compression.
	depends on applications and PC performance. USB 2.0 interface.		Image resolution: 100, 200 or enhanced 300 DPI.
	USB 2.0 Interface.		Advanced Dynamic Thresholding.
Automatic Document Feeder	3 versions (SW upgradable):	Software Tools	Superior auto calibrated image quality.
	Single document automatic drop – IF version		Dual Image: 4 images in one document pass.
	Holding up to 50 documents – SF version Holding up to 100 documents – FF version		Panini Vision API control running on:
	Double feed detection with infrared (or ultrasonic option).		Windows XP, Windows Vista and Windows 7 with USB 2.0 or USB 1.1.
	Auto-tuning separator rollers designed to process varied thickness of documents and to compensate wear.		ICR Vision function for image snippet definition and download.
Inkjet Printer	Rear Ink-Jet AGP (Advanced Graphic Printer) Printer.		Easy integration of ICR/Barcode/OCR recognition technology.
	Printing capability: three versions upgradable via software:		Optional TWAIN interface available.
	AGP 1: one line text/graph in any vertical position.	Additional Options	HW: 3 Tracks Magnetic BADGE READER.
	AGP 2: two lines text/graph in any vertical position. AGP 4: four lines text/graph for full 1/2" height.		SW: OCR Recognition: OCR-A, OCR-B recognition engine.
	Alphanumeric characters, all MS Windows fonts.		SW: Barcode Recognition: Code 39, Interleaved 2/5, EAN8, EAN13, UPCA, UPCE, Code 128.
	Reg CC Compliant.		SW: Bi-dimensional barcode (PDF).
	Intelligent printing, image and MICR driven.		
	Automatic cartridge presence detection and empty cartridge alert.	Application PC Minimum	V \times 50, V \times 75: Intel Pentium IV, 1.2 GHz, 512 MB RAM.
Total Compatibility and Scalability	Total backward compatibility for software API > release 2.24.	Requirements	V X 100: Intel Pentium IV, 2 GHz, 512 MB RAM.
	Full version scalability (for SW options) throughout the range, via software upgrade.	Diagnostic Features	On board Diagnostics: tests the functionality of the scanner.
Pockets	A single exit pocket capable of holding up to		Power-on Self Testing: automatic self testing and photocells calibration when powering the unit.
	100 documents.	M	NA 1 HILL I
Workspace	Extremely compact footprint—ideal for teller, back office	Maintenance	Maximum accessibility to every component to minimize MTTR.
	and corporate installations.		Total access to scanner and track area.
Documents	Height: Min. 54 mm (2.12")–Max. 106 mm (4.17")		Firmware upgradeable via PC.
Specifications	Length: Min. 80 mm (3.14") – Max. 235 mm (9.25")	Input Voltage	Autosensing from 100 to 240 VAC, 50 to 60 Hz.
	Weight: Min. 60 g/m ² (16#) – Max. 120 g/m ² (32#)	input voltage	
	Weight, 1 m. 60 g/m (10#)=1 lax. 120 g/m (32#)	Dimensions and	Height: 175 mm (6.88'')
Interface	USB 2.0 port/Backward compatible with USB 1.1.	Weight	Width: 138 mm (5.43")
	RS232 Port for external device connection (SW/FW		Length: 264 mm (10.39'')
	developments on request).		Weight: 2.5 kg (5.73 lb)
Magnetic Reader	EI 3B/CMC7/Automatic.		
haghette Reader	New Panini MICR Plus® exclusive technology with OCR assist feature.		
	Superior MICR recognition and management.		

The management system governing the manufacture of this product is ISO 9001:2008 and ISO 14001:2004 certified.

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