



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 including multi-line text, graphics or intermixed, all with any Windows font. Plus, the endorsement becomes "intelligent" — printed characters can be selected through the application based on MICR or image information.

“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

Key Benefits

- Provides an additional component for an already compelling business case for distributed image capture.
- Eliminates capital, maintenance, and supply costs associated with a separate receipt printer, with no requirement for 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.
- Fast printing of customer receipts.

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

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Technical Specifications

Performance	Three versions (software upgradable): VX 50: Up to 50 DPM. VX 75: Up to 75 DPM. VX 100+: ≥100 DPM. Performance declared for 6" checks. Final performance depends on applications and PC performance, and Panini Vision API release. Anticipated maximum performance for VX 100+ is 125 DPM. USB 2.0 interface.	Magnetic Reader	EI 3B/CMC7/automatic. Panini MICR Plus® exclusive technology with OCR assist feature. Superior MICR recognition and management.
Automatic Document Feeder	Three versions (software upgradable): Single document automatic drop – IF version. Holding up to 50 documents – SF version. Holding up to 100 documents with unlimited continuous feeding – FF version. Double feed detection with ultrasonic technology.* Auto-tuning separator rollers designed to process documents with varied thickness and to compensate for normal wear. *In particular environmental circumstances and typically at very high altitude, a special calibration could be required. Please contact your provider for further details.	Image Capture	Scanning: next generation Contact Image Sensor (CIS) technology (front and rear). Image format: bitmap in B/W, 256 shades of gray, color (Fast and True) and drop out mode. TIFF, JPEG and G4 compression. Image resolution: 100, 200 or 300 DPI. Advanced dynamic thresholding. Superior auto calibrated image quality. Dual image: up to five images (three front + two rear) in one document pass.
Inkjet Printer	Rear inkjet AGP (Advanced Graphic Printer). Printing capability: three versions upgradable via software: AGP 1: one line text/graph in any vertical position. AGP 2: two lines text/graph in any vertical position. AGP 4: four lines text/graph for full 1/2" height. Alphanumeric characters, all MS Windows fonts. Reg CC compliant. Intelligent printing, image and MICR driven (SmartJet). Automatic cartridge presence detection and empty cartridge alert. Note: A single line inkjet printer (not upgradable) is also available as a printing option.	Software Tools	Panini Vision API control running on: Windows 2000 S.P. 3, Windows XP S.P. 1, Windows Vista, Windows 7 with USB 2.0 or USB 1.1. ICR vision function for image snippet definition and download. Easy integration of ICR/barcode/OCR recognition technology.
Total Compatibility and Scalability	Total backward compatibility for software API > release 3.00. Full scalability (for software options) throughout the range, via software upgrade.	Additional Options	HW: three track magnetic badge reader. HW: IR (infrared) or UV (ultraviolet) front image capture for security applications. HW: external dongle for temporary and device independent upgrades. SW: OCR recognition: OCR-A, OCR-B. SW: ID barcode recognition: Code 39, Interleaved 2/5, EAN8, EAN13, UPCA, UPCE, Code 128. SW: 2D barcode (PDF417, Datamatrix). SW: Image Quality Assurance (IQA) library.
Pockets	A single exit pocket capable of holding up to 100 documents.	Application PC Minimum Requirements	VX 50, VX 75: Intel Pentium IV, 1.2 GHz, 512 MB RAM. VX 100: Intel Pentium IV, 2 GHz, 512 MB RAM.
Workspace	Extremely compact footprint—ideal for teller, back office and business installations.	Diagnostic Features	On board diagnostics: tests the functionality of the scanner. Power-on self testing: automatic self testing and photocells calibration when powering the unit.
Documents Specifications	Height: Min. 54 mm (2.12")–Max. 106 mm (4.17"). Length: Min. 80 mm (3.14")–Max. 235 mm (9.25"). Weight: Min. 60 gr/m ² (16 lbs.)–Max. 120 gr/m ² (32 lbs.).	Maintenance	Maximum accessibility to every component to minimize MTTR. Total access to scanner and track area. Firmware upgradeable via PC.
Interface	USB 2.0 port/backward compatible with USB 1.1. RS232 port for external device connection (SW/FW developments on request).	Input Voltage	Autosensing from 100 to 240 VAC, 50 to 60 Hz.
		Dimensions and Weight	Height: 175 mm (6.88"). Width: 138 mm (5.43"). Length: 264 mm (10.39"). Weight: 2.5 kg (5.73 lbs.).

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