



“The Vision X® platform underscores Panini’s commitment to continuous innovation, enabling our customers and partners to conduct business in a more efficient and effective manner.”

John O'Malley,  
CEO,  
PANINI

## The Panini Vision X®

The Vision X is the world's leading check scanning platform. With its unique characteristics – including scalability, ease of use, accessibility, unified API, accurate reading and outstanding image quality – Vision X provides all essential functionalities required by distributed check capture, delivering the reliability customers expect when processing payments – with industry leading price/performance.

### Advanced features you've come to expect from Panini

- Advanced MICR reading algorithms—including OCR correction—bundled with API for optimal MICR read accuracy.
- 50, 75, and 100+ documents per minute (dpm) based on 6" check specification.
- Automatic document feeder for easy operator use.
- High torque motors – quiet performance and reliable, operator friendly document feeding.
- Intelligent printing capability – endorsement based on MICR read or image.
- Automatic inkjet cartridge detection and ink level monitoring.
- Advanced Graphic Printer (AGP) model available for receipt and validation printing.
- High speed image cameras – offering grayscale and color scanning in multiple resolution settings (100, 200, or 300 dots per inch), for maximum image flexibility.
- Infrared and ultraviolet front imaging options for security applications.
- USB 2.0 connectivity with Microsoft WHQL certification for device recognition and simplified implementation.
- Two pocket model available for applications requiring physical document sorting.
- Expandable with MFS (Multi-Function System) modules providing additional functionality and compelling benefits for teller applications.

### Panini's Industry-Leading Reliability

The Panini Vision X offers proven reliability you can count on. With a foundation of ISO: 9001 quality, rigorous testing and certification processes, and experience born from decades of check capture, you can be sure of Panini's reliability.

A Vision X device can be quickly and easily upgraded via software through the network. Scalability is offered in numerous areas including device speed, printing configurations, and document feeding to accommodate a broad range of transaction volume and processing time requirements.

Featuring a modern, ergonomic design and quiet operation, the Vision X is a compact, robust scanner designed to read the check MICR line, capture front and back images and print customized endorsement and receipt information.

The Vision X is strategically designed to support the complete range of distributed capture applications including branch teller, back counter and remote deposit capture, and is equally efficient in processing non-check documents such as utility bills, meal vouchers, gift coupons and more.

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# Technical Specifications

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Performance</b>                         | <p>Three versions (software upgradable):</p> <p>VX 50: Up to 50 DPM.<br/>VX 75: Up to 75 DPM.<br/>VX 100+: ≥100 DPM.</p> <p>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.</p> <p>USB 2.0 interface.</p>                                                                                                                                                                                                                                                                 | <b>Magnetic Reader</b>                     | <p>E13B/CMC7/automatic.</p> <p>Panini MICR Plus® exclusive technology with OCR assist feature.</p> <p>Superior MICR recognition and management.</p>                                                                                                                                                                                                                                                                                                         |
| <b>Automatic Document Feeder</b>           | <p>Three versions (software upgradable):</p> <p>Single document automatic drop – IF version.<br/>Holding up to 50 documents – SF version.<br/>Holding up to 100 documents with unlimited continuous feeding – FF version.</p> <p>Double feed detection with ultrasonic technology.*</p> <p>Auto-tuning separator rollers designed to process documents with varied thickness and to compensate for normal wear.</p> <p><small>*In particular environmental circumstances and typically at very high altitude, a special calibration may be required. Please contact your provider for further details.</small></p> | <b>Image Capture</b>                       | <p>Scanning: next generation Contact Image Sensor (CIS) technology (front and rear).</p> <p>Image format: bitmap in B/W, 256 shades of gray, color (Fast and True) drop out mode. TIFF, JPEG and G4 compression.</p> <p>Image resolution: 100, 200 or 300 dpi.</p> <p>Advanced dynamic thresholding.</p> <p>Superior auto calibrated image quality.</p> <p>Dual image: up to five images (three front + two rear) in one document pass.</p>                 |
| <b>Inkjet Printer</b>                      | <p>Two versions (software upgradable):</p> <p>Rear inkjet printer (IJ version).<br/>No inkjet (NJ version, software upgradable).</p> <p>Printing capability: single line, alphanumeric characters, all MS Windows fonts.</p> <p>Reg CC compliant.</p> <p>Intelligent printing, image and MICR driven (SmartJet).</p> <p>Automatic cartridge presence detection and empty cartridge alert.</p> <p><small>Note: AGP version (Advanced Graphics Printer) is also available as a printing option.</small></p>                                                                                                          | <b>Software Tools</b>                      | <p>Panini Vision API control running on:</p> <p>Windows 2000 S.P. 3, Windows XP S.P. 1,<br/>Windows Vista, Windows 7 &amp; 8 with USB 2.0 or USB 1.1.</p> <p>ICR vision function for image snippet definition and download.</p> <p>Easy integration of ICR/barcode/OCR recognition technology.</p>                                                                                                                                                          |
| <b>Total Compatibility and Scalability</b> | <p>Total backward compatibility for software API &gt; release 3.00.</p> <p>Full scalability (for software options) throughout the range, via software upgrade.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Additional Options</b>                  | <p>HW: three track magnetic badge reader.</p> <p>HW: IR (infrared) or UV (ultraviolet) front image capture for security applications.</p> <p>HW: external dongle for temporary and device independent upgrades.</p> <p>SW: OCR recognition: OCR-A, OCR-B.</p> <p>SW: ID barcode recognition: Code 39, Interleaved 2/5, EAN8, EAN13, UPCA, UPCE, Code 128.</p> <p>SW: 2D barcode (PDF417, Datamatrix).</p> <p>SW: Image Quality Assurance (IQA) library.</p> |
| <b>Pockets</b>                             | <p>A single exit pocket capable of holding up to 100 documents.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Application PC Minimum Requirements</b> | <p>VX 50, VX 75: Intel Pentium IV, 1.2 GHz, 512 MB RAM.</p> <p>VX 100+: Intel Pentium IV, 2 GHz, 512 MB RAM.</p>                                                                                                                                                                                                                                                                                                                                            |
| <b>Workspace</b>                           | <p>Extremely compact footprint—ideal for teller, back office and business installations.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Diagnostic Features</b>                 | <p>On board diagnostics: tests the functionality of the scanner.</p> <p>Power-on self testing: automatic self testing and photocells calibration when powering the unit.</p>                                                                                                                                                                                                                                                                                |
| <b>Documents Specifications</b>            | <p>Height: Min. 54 mm (2.12")–Max. 106 mm (4.17").</p> <p>Length: Min. 80 mm (3.14")–Max. 235 mm (9.25").</p> <p>Weight: Min. 60 gr/m<sup>2</sup> (16 lbs.)–Max. 120 gr/m<sup>2</sup> (32 lbs.).</p>                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Maintenance</b>                         | <p>Maximum accessibility to every component to minimize MTTR.</p> <p>Total access to scanner and track area.</p> <p>Firmware upgradeable via PC.</p>                                                                                                                                                                                                                                                                                                        |
| <b>Interface</b>                           | <p>USB 2.0 port/backward compatible with USB 1.1.</p> <p>RS232 port for external device connection (SW/FW developments on request).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Input Voltage</b>                       | <p>Autosensing from 100 to 240 VAC, 50 to 60 Hz.</p>                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Dimensions and Weight</b>               | <p>Height: 175 mm (6.88").</p> <p>Width: 138 mm (5.43").</p> <p>Length: 264 mm (10.39").</p> <p>Weight: 2.5 kg (5.73 lbs.).</p>                                                                                                                                                                                                                                                                                                                             |

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