

### Check Image Readiness for Check 21. Background Design Verification. OCR and CAR Recognition.

## Product Overview

The Image Qualifier X97-OCR (IQX97-OCR) is a cheque Image Readiness testing system that includes a calibrated tabletop scanner and Windows®-based software.

The IQX97-OCR tests cheque background designs and identifies problems in any of the five areas of interest (date, payee, legal, signature, and Convenience Amount Rectangle (CAR fields)). It verifies legibility and quality of the stored images, OCR print and the printability of image files. RDM's Image Qualifier has automatic features to measure reflectance and contrast values of paper cheques to determine if they meet ANSI's (American National Standards) X9.7 requirements. It measures all reflectance values by automatically taking samples from a grayscale image of the document (for more details, refer to ANSI X9.7-99 Annex B page 59-65, and Annex C page 69-72).

RDM's Image Qualifiers are installed in major financial institutions, printers, and equipment vendors in over 35 countries. It is the industry standard for validating image quality of cheques against ANSI standards.

The Image Qualifier is a valuable tool for the post Check 21 World. Check 21 authorises the printing of a substitute cheque known as an IRD (Image Replacement Document). Check 21 will require printers to produce original cheque designs conforming to ANSI Image Readiness Standards in order to provide financial institutions with designs compatible with their cheque imaging equipment.

## Benefits

The IQX97-OCR is a comprehensive tool that automates complex reflectance, contrast and legibility calculations enabling anyone to easily perform all of the required ANSI Image Readiness tests.

### Printers

- ▶▶ Get a competitive advantage by offering image ready cheques for customers and financial institutions
- ▶▶ Gain additional business by generating Image Ready internal documents to meet customised requests from financial institutions

### Financial Institutions

- ▶▶ Easily analyse cheque designs and report results to customers and printers so that they can take action to meet ANSI Standards

- ▶▶ Evaluate the entire document background using an ANSI standard binary image before the check design is approved for an account

## Key Features

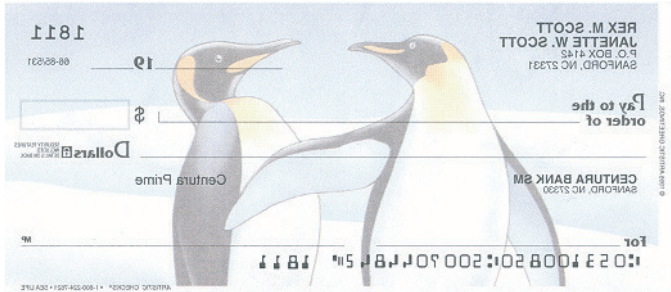
- ▶▶ The grayscale to binary image comparison shows what a financial institution's cheque images will look like with an estimated file size
- ▶▶ Tests cheque background designs and identifies problems in any of the five areas of interest (date, payee, legal, signature, and CAR fields)
- ▶▶ Automatic PCS (Print Contrast Signal) tests of the convenience amount rectangle to assure optimal Courtesy Amount Recognition performance of paper cheques
- ▶▶ Optically verifies the character dimensions and quality of OCRA, OCRB, and E13B fonts. Compliments RDM's MICR Qualifier GTX.
- ▶▶ Produces printed reports that show test results
- ▶▶ Australian Cheques (APCA Requirements) Specific Icons to test areas of interest on both face and back.

## SPECIFICATIONS

## Quality Control Solution | Image Qualifier X97-OCR

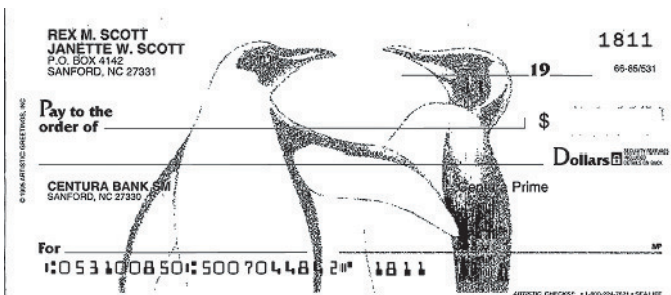
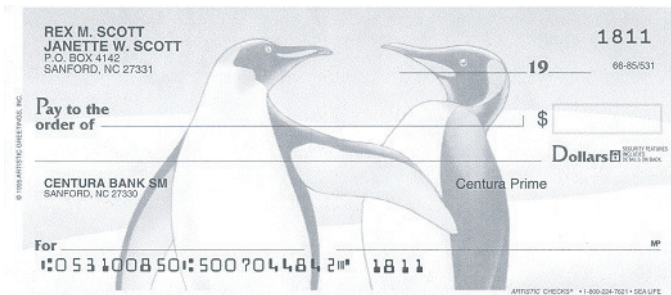
### ORIGINAL CHEQUE

The IQX97-OCR will Image test this item against the ANSI X9.7 criteria for successful image capture and legibility.



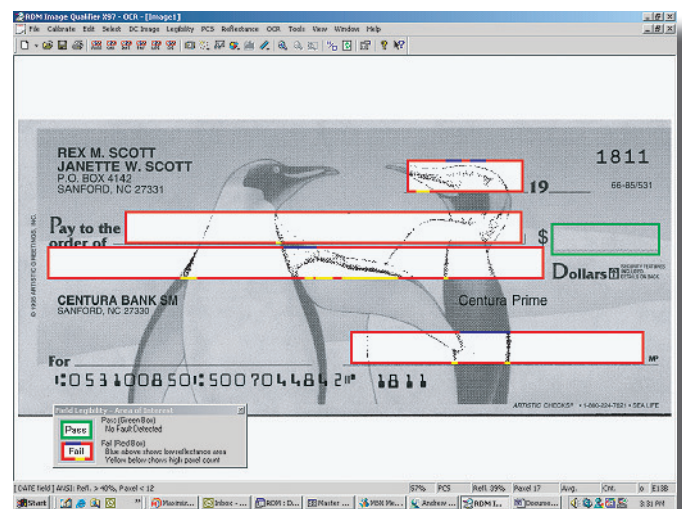
### GRAYSCALE/BINARY IMAGE

Shows what the financial institution's cheque image will look like. It measures all reflectance values by automatically taking samples from a grayscale image (256 shades of gray) of the document.



### TEST RESULTS

- Red boxes indicates legibility failures
- Blue border indicates that the background is too dark - writing may drop out when imaged
- Yellow segments depicts regions with too much background clutter that will interfere with legibility of handwriting in an image



## Product Specifications

Image Qualifier X97-OCR software  
Modified tabletop scanner with USB connection and scanner software  
RDM calibration card for the scanner  
Execution control key

### Scanner Specifications

Power: 115V, 60Hz  
Weight: 5.6 lbs  
Dimension: 18" L x 12" W x 4"

### Minimum Computer Requirements

Pentium IV, 512 MB RAM  
200 MB available hard disk space  
24x CD-ROM  
1024x796 video set to 256 colors or higher  
Windows 2000/XP/Vista  
USB connection (Windows NT requires SCSI)

[www.check21certified.com](http://www.check21certified.com)

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