

**ADVANCED FORMS PROCESSING**

MuWave Forms turns Quillix into an advanced forms processing system. The many features of MuWave Forms include the ability to decode 26 different types of barcodes with an accuracy that is unsurpassed. Other advanced features include a batch preview option that enables incoming batches to be previewed to make sure they are properly organized before assembly.

**EASY SETUP AND CONFIGURATION**

MuWave Forms offers sophisticated features yet is easy to configure. Default settings provide barcode recognition and document assembly options perfect for many batch profiles. The advanced barcode recognition has been refined using feedback from the processing of literally millions of real world images and provides the fastest possible processing while providing the most accurate results. All advanced options are specified using either pull down menus or else advanced Visual Basic scripts. A single click of a button converts the pull down menu selection into a Visual Basic Script.



# MuWave® Forms QSX

**DESCRIPTION**

MuWave® Forms is Quillix™ server extension that greatly extends the Quillix capture system to provide advanced forms processing functions. MuWave Forms provides the forms processing automation necessary to greatly reduce manual OCR verification by reducing user intervention for forms processing. It performs document processing functions such as bar / patch code detection, image cleanup with de-speckle and de-skew, image conversion, automatic indexing, and assembly. Also provides OCR indexing, forms recognition, and ICR using the ABBYY FlexiCapture engine version 9. Documents can be indexed and assembled utilizing bar/patch code detection as well as indexed using database lookup or based on other dynamic criteria.

**KEY FEATURES INCLUDE:**

- Image cleanup including de-speckle, de-skew, and blank page recognition (based on a configurable percentage of black versus white), border removal, hole punch removal using a specified number of holes (2,3,4, or 5). Batch pages may be automatically rotated based on the orientation of barcodes but this applies to the entire batch. If forms recognition is used, then the orientation of each page may be adjusted on a page by page basis. If forms recognition is being used, then color removal is supported for the removal of the following colors: red, green, blue, or yellow (note that documents must have obviously been scanned in color in either JPG, BMP, TIFF-PackBits, or TIFF-JPG format).
- Provide built-in advanced Visual Basic scripting. Supports COM-based extensions in versions of Quillix and MuWave prior to version 5. This requires that .NET assemblies be COM visible. Version 5 will lift this requirement as the scripting environment will be migrated to .NET and support .NET assemblies directly as well as COM.
- Advanced barcode recognition including advanced optimization options
- Barcode recognition in native color documents without conversion to bi-tonal
- Image cleanup including de-speckle, de-skew, and blank page recognition
- Image format conversion including image only PDF renditioning
- Batch preview mode to simulate batch assembly
- Advanced indexing option using menus or advanced scripting
- Indexing via barcodes, database lookups, or scripts
- Numerous document assembly options
- Advance capture metrics data collection when integrated with MuWave Reports
- Built-in email notification for batch processing alerts

**BATCH ANALYSIS FEATURE:**

MuWave Forms provides a sophisticated batch analysis function. This function enables each incoming batch to be previewed instead of being automatically assembled. The batch is reviewed and the barcodes are read. Then if the configured parameters do not match the requirements the batch is returned to a queue with an information box drawn onto the first page of the batch. This information box tells the user how the batch would be assembled as well as revealing any problems found in the batch.

**SUPPORTED BARCODE TYPES:**

2 of 5 (industry, interleaved, IATA, Datalogic, Invert, matrix), BCD Matrix, Code 32, Code 39 (standard and extended), Codabar 2, Code 93 (standard and extended), Code 128, EAN 13, EAN 8, UPC (A,E), ADD (5,2), UCC/EAN 128, Patch Code, PostNet, PDF 417, Datamatrix, QR Code, Intelligent Mail, British Royal Post 4 State, Australian Post 4 State, Aztec

