
Aquaforest OCR SDK for .NET Release Notes



Version 2.02
October 2014

1 Extended OCR Module

A new Extended OCR module has been added that extends the SDK with an additional OCR engine and has the following benefits over and above the standard Aquaforest OCR engine:

- IRIS OCR engine providing enhanced recognition
- Support for 127 languages.
- Optional Asian language support: Standard Chinese, Traditional Chinese, Korean and Japanese.
- Support for multiple languages within a single page or document from the same character set.
- Support for multiple document output formats: PDF, DOCX, WORDML, RTF, CSV, XLSX, EXCELML, TXT, HTML, EPUB and XPS
- Multiple PDF version support including PDF 1.4 A-1b, PDF 1.4 A-1a, PDF 1.7 A-2b and PDF 1.7 A-2a.
- Optional Intelligent High Quality Compression

2 Licensing

There are a couple of changes in the way this release is licensed; this is to offer buyers a higher flexibility. The table below shows a breakdown of the licensing.

Function	Basic Edition	Standard Edition	Advanced Edition	Extended Edition
OCR from Bitmap or TIFF	X	X	X	X
Image Pre-Processing and Auto-Rotation	X	X	X	X
Support for 23 Languages	X	X	X	X
.NET Programmatic / Zonal Access to results	X	X	X	X
Txt / RTF Output	X	X	X	X
1 Thread	X	X	X	X
Blank Page Removal	x	x	x	X
PDF Merging	X	X	X	X
PDF Input		X	X	X
Searchable PDF Output		X	X	X
2 Threads		X	X	X
Stamps on PDF Output		X	X	X
Unlimited Threads			X	X
Advanced MRC Compressed PDF Output			X	X
Advanced Pre-Processing			X	X
Support for 127 languages				X
Asian language support				X

Function	Basic Edition	Standard Edition	Advanced Edition	Extended Edition
Support for multiple languages within a single document from the same character set				X
Multiple document output formats: PDF, DOCX, WORDML, RTF, CSV, XLSX, EXCELML, TXT, HTML and XPS				X
Multiple PDF version output support				X
Intelligent High Quality Compression				X

3 Properties.xml

- All the settings that can be set through the API can now also be set through the properties.xml
- There is now the possibility to set the path of the properties.xml. Previously, it needed to reside in the folder containing the SDK assemblies.
- Settings set through the API now take precedence over values set through the properties.xml

4 Visual C++ Redistributable Version

Aquaforest OCR SDK 2.02 now require VC++ Redistributable 2012 for development and deployment as compared to VC++ Redistributable 2008 in previous versions.

5 Deployment Helper

The SDK now contains an in-built functionality to detect if all the required assemblies and files required by the SDK are present. If they are not, an exception will be thrown listing all the files that are missing.

6 Prerequisites

The table below shows the prerequisites needed for building applications using the Aquaforest and Extended OCR engines.

Building applications with Aquaforest OCR Engine:

Application Platform	VC++ Redistributable	Minimum .NET Framework Version	Minimum Visual Studio Version
x86	VC ++ 2012 x86	.NET Framework 3.5	Visual Studio 2008
x64	VC ++ 2012 x86 and VC++ 2012 x64	.NET Framework 3.5	Visual Studio 2008
Any CPU	VC ++ 2012 x86 and VC++ 2012 x64	.NET Framework 3.5	Visual Studio 2008

Building applications with Extended OCR Engine:

Application Platform	VC++ Redistributable	Minimum .NET Framework Version	Minimum Visual Studio Version
x86	VC ++ 2010 x86	.NET Framework 4	Visual Studio 2010
x64	VC++ 2010 x64	.NET Framework 4	Visual Studio 2010
Any CPU	VC ++ 2010 x86 and VC++ 2010 x64	.NET Framework 4	Visual Studio 2010

There is also a diagnostic tool found at “[SDK installation path]\diagnostics\Aquaforest OCR SDK Prerequisite Check.exe” which can be used to check if the correct versions of .NET Framework and Visual C++ Redistributables are installed.

7 Asian OCR Engines

Aquaforest OCR SDK 2.02 now has two engines to process documents with Asian languages (Japanese, Korean, Simplified Chinese and Traditional Chinese). The engine to use can be set using the `AsianOcrEngine` property in the `Ocr` class.