

Optimize your Canon® imageRUNNER®
and Canon® imageRUNNER® ADVANCE



Datasheet

IRISDocument™ Server 9 for MFP

Provide your whole organization
with OCR services!

*Scan with your Canon® MFP and send via
e-mail, to a user folder or an FTP folder, or
even a Microsoft® SharePoint® website.*



What's new ?

IRISDocument™ Server for MFP adds value to Canon® imageRUNNER® and imageRUNNER® ADVANCE devices, that will now be able to:

- offer personalized OCR services for all your users
- process documents faster
- be batch-capable
- offer text recognition in 137 languages + add-ons (Asian, Middle-East)
- propose an endless list of output formats, ideal for archiving and sharing
- generate the most compressed, high quality documents thanks to iHQC™
- be directly connected to your SharePoint® platform (add-on)

IRISDocument™ Server for MFP is available as an "all-in-one" package which was specifically designed for Small and Medium Business needs, featuring:

- an IRISDocument™ Server for MFP license
- a 100 000 page-per-year iHQC™ hyper compression license

For previously installed versions of IRISDocument™, or in case any other versions is needed, the full feature set described in this presentation is also available through the new MFP add-on for IRISDocument™

How does it work?

Once scanned on the MFP, the documents are sent to a 'Watched Folder' and picked up by IRISDocument™ to be converted into highly-compressed, text-searchable and editable electronic files.

Besides text recognition in no less than 137 languages, IRISDocument™ also offers powerful barcode recognition, a feature which can be used for document separation. White page separation is also available.

The final step is to export those files, either via e-mail, to user-specific folder, an FTP folder, or even on a Microsoft® SharePoint® website (optional Add-on).

The new Workgroup feature!

How does it fit in your organization?

Within an organization a user typically has access to a personal folder, an FTP folder and a mail box.

IRISDocument™ Server 9 for MFP is built around the notion of **Workgroups**, meaning that it is designed to deliver the document **directly to a user, via their personal folder, FTP folder or mail box.**

The user either receives their document in their mail box, personal folder or personal FTP folder.

Alternatively they can be sent an email notification that a document has been posted in their personal folder or FTP folder. This is particularly useful for heavy-duty, high volume jobs.

All the administrator has to do is define a list of users (**Workgroup**), and make sure that to each user correspond an e-mail address, a personal folder and an FTP folder to which the documents are sent after processing by IRISDocument™.

The administrator also defines the file output format, choosing from the extensive list offered by IRISDocument™ (see p.7)

Note that the administrator may choose to offer multiple configurations (meaning more than one One-Touch/Quick-Menu button on the MFP). For example one button may publish PDF documents on a Microsoft® SharePoint® server, while another creates iHQC™-compressed PDF documents and sends them via e-mail, and so on.

What about user experience?

The only thing a user needs to do is identify themselves. This is either done automatically by logging into the MFP (this feature is only available on imageRUNNER® ADVANCE devices) or by entering a specific document name which will act as identifier. That special document name is provided by the administrator.

If several output formats or destinations are available, the user presses the right button, walks back to his desk and simply recovers the processed file. It's that easy!

IRISDocument™ Server 9 for MFP is a special version of IRISDocument™ 9, developed specifically as a plug-in to your MFP.

This special version, however, was not downsized in any way, and provides the administrator with all the features of the standard one, which we will discover in the following pages.

Why should you offer an IRISDocument™ Server 9 for MFP to your imageRUNNER®?

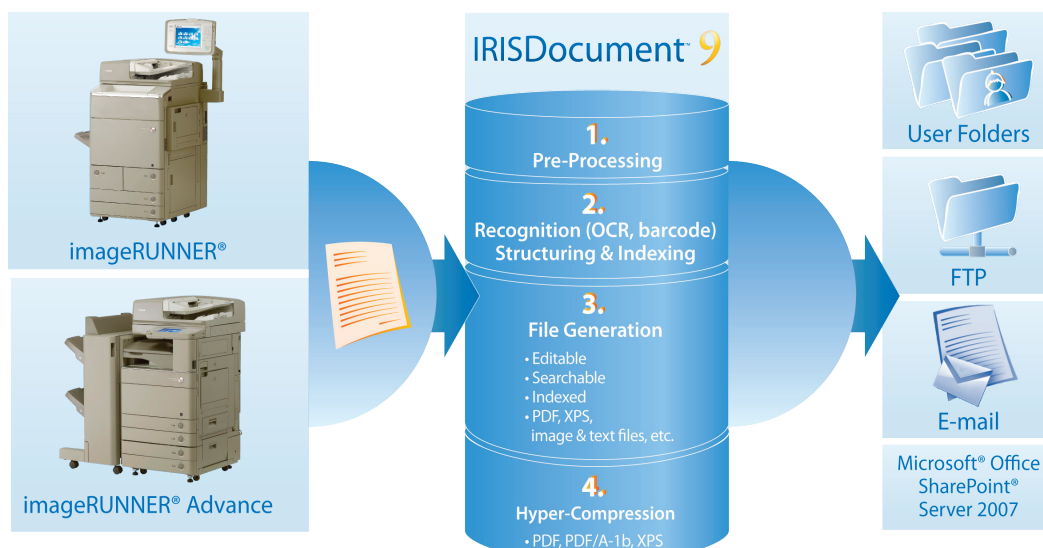
An imageRUNNER® with iSend has PDF capabilities, so why using IRISDocument™ Server 9 for MFP?

- IRISDocument™ Server 9 for MFP is faster and doesn't lock your MFP. Because the computation is done on a separated computer:
 - the MFP can keep on scanning documents while IRISDocument™ is processing thousands of pages
 - IRISDocument™ 9 can be installed on a powerful workstation with the latest CPU and a fast hard drive
- IRISDocument™ Server 9 for MFP is able to recognize 137 languages with add-ons for Arabic, 4 Asian languages and Hebrew
 - IRISDocument™ Server 9 for MFP offers many different formats: PDF, XPS, RTF, Microsoft® Word, XML, WordML, HTML, Text, SpreadsheetML, OpenDocument Text
- IRISDocument™ Server 9 for MFP offers batch scanning capabilities to your MFP:
 - Thanks to barcode recognition and blank page detection, a user can scan batches of documents and let IRISDocument™ split the pages and name the documents automatically. For instance a secretary would just need to insert a barcode between different documents, then scan the whole batch and retrieve perfectly separated PDF files in output. The same barcode can be used as separator, but of course different barcodes could be used to identify the documents even further (for example to rename them) White page separation is also available – a simple white page inserted between different documents will do perfectly as separator.
- IRISDocument™ Server 9 for MFP offers iHQC™ compression:
 - Hyper-compression for PDF or XPS
 - Perfectly standard, supported by all the usual PDF and XPS viewers
 - Can be PDF/A-1b compatible
- IRISDocument™ Server 9 for MFP offers a connection to Microsoft® SharePoint® (optional add-on), creating a direct link between your MFP and your Document Management System.

Why should you go from IRISDocument™ Server to IRISDocument™ Server for MFP?

IRISDocument™ Server 9 can be configured to run with a MFP, so why going to IRISDocument™ Server9 for MFP?

- IRISDocument™ Server 9 for MFP is very easy to install and configure. A specific installer configures IRISDocument™ Watched Folder to be ready to be used with an MFP immediately after installation. Moreover a specific documentation details step by step how to plug your Canon MFP to IRISDocument™ in a few minutes.
- The new workgroup feature (see here above)
- IRISDocument™ 9 for MFP has all of the IRISDocument™ Server 9 features



IRISDocument™ Global Benefits

IRISDocument™ is the most competitive and fastest professional solution on the market to convert all images into indexed and editable files, and provide multiple users with OCR services.

IRISDocument™ is:

Fast

With the Multi-CPU Add-on, spread the workload across up to four cores or more to make the best use of your computer and server resources. At the highest text recognition rates, it will process up to 60,000 images/day on a single PC. Convert large batches of documents automatically with minimal user intervention thanks to the Watched Folder mode.

Easy to use

IRISDocument™ is quickly and easily installed – no expensive experts needed.

Affordable

Although packed with features, IRISDocument™ comes at a very reasonable price. A single license will allow you to provide your whole organization with OCR services. IRISDocument™ has no page limitation - no other solution will give you as much value for your money.

Accurate and reliable

IRISDocument™ will help you define the parameters you need to get the best OCR results on your documents thanks to a powerful OCR Accuracy Report.

Feature-rich

- Improve your scanned images with powerful image cleaning tools.
- Deskew your text, detect its orientation... and much more.
- Rename and separate your documents automatically – IRISDocument™ will detect barcode values and blank pages.
- Powerful recognition engines for languages, barcodes, banking fonts, patch codes, etc.
- Index your documents, and store the extracted data into a descriptive XML index file.
- Thanks to the revolutionary iHQC™ hyper-compression technology, share your documents easily.
- Convert your document images into many formats, among which PDF, XPS (with possible hyper-compression), etc.
- Think about the future: IRISDocument™ can convert your documents to PDF/A-1b for long-term archiving.

The screenshot shows a configuration window with three tabs: "Document Separation", "XML Indexing", and "Output Folder". The "XML Indexing" tab is active. It contains three sections: "Indexing" with three checkboxes (checked for "Enable XML indexing", unchecked for "Include recognized text", and unchecked for "Include recognized bar codes"); "File location" with two radio buttons (selected for "Output folder", unselected for "Batch folder"); and "File name" with a radio button selected for a text input field containing "index.xml" and another unselected for "Use batch name".

Enjoy The Most Productive OCR Technology

Recognition engine and full page OCR

IRISDocument™ uses I.R.I.S.' latest recognition engine and formatting technologies. Page analysis is carried out on the color image, resulting in better zone segmentation. This new engine also recognizes the color of the text and keeps it in the output file.

More than 130 languages supported

All European languages are supported, including Central European, Baltic, Greek and Cyrillic ('Russian') languages.

An Asian Add-On module is available for the recognition of 4 Asian languages: Japanese, Korean, Traditional and Simplified Chinese.

Hebrew and Arabic/Farsi Add-On modules are also available.

Multilingual recognition

IRISDocument™ recognizes up to 5 languages, even with mixed alphabets, on the same document.

Image enhancement

- **Deskew**
The skewing of the text is analyzed on the front of the page but is applied both on the front and the back of the document, resulting in a much faster processing speed.
- **Despeckle**
The despeckle feature cleans up images by removing noise that can appear when scanning documents.
- **Smoothering of color images**
Allows for optimal recognition results by smoothering out the color transition in the image.
- **Page orientation detection**
Automatic rotation and straightening of the text orientation contained in your documents for optimal OCR accuracy.

Enjoy Countless Output Possibilities

Multiple output formats

Generate several output files with different file formats in one single process and from one image file.

Wide number of file output formats

The following output formats are available: PDF, PDF/A-1b, XPS (those three formats are also available with iHQC™ compression), standard text files, OpenDocument Text, XML , etc. (see full list on page 7).

Formatting options

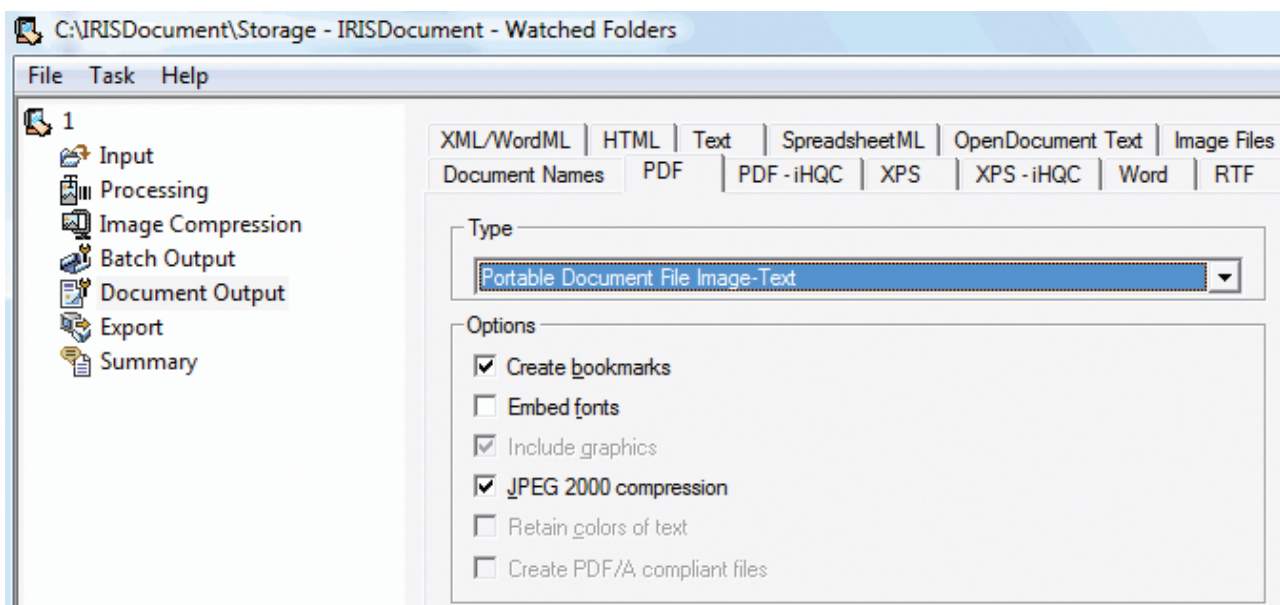
IRISDocument™ will answer the most common reformatting needs, e.g. for Word and RTF output files: “retain color of text”, “retain color of background”, “keep paper size”, etc.

Standard image compression

Modify JPEG compression rate and image resolution when generating PDF files (with or without text files) and highly compress all your images with JPEG 2000 technology.

Key Features – a Closer Look

- Powerful and fast OCR engine (up to 60,000 images/day on a single PC) and high text recognition accuracy.
- Conversion of your images into many output formats. (See full list on page 7).
- Document renaming and separation features based on barcode value and blank page detection.
- Deskew and orientation detection.
- Banking Fonts are now included - no additional registration required anymore.
- With the multi-CPU Add-on, spread the workload across up to four cores to make the best use of your computer resources.
- With the iHQC™ add-on, create highly compressed PDF, PDF/A-1b or XPS files all while maintaining original text legibility and image color quality (see page 10).



Eight Steps for a Complete Workflow, from Input to Archive and Export

1 - Input

Once scanned on the MFP, the documents are sent to a 'Watched Folder' and picked up by IRISDocument™. Most Watched Folders settings (such as OCR language and output formats) can be modified to suit your requirements. Refer to the Installation and Administration guide for more details.

2 - Pre-processing of the images

Optimize your image files and take your scanner's job even further

- **Deskewing:** remove any skew of the text in the image
- **Orientation detection:** rotate the image
- **Despeckling:** remove noisy pixels
- **Smoothing:** flatten out the colors of the image, which will remove the JPEG compression artifacts and help recognition

3 - Recognition

- Choose from **137 OCR languages:**
American English, British English, Afrikaans, Albanian, Aymara, Balinese, Basque, Bemba, Bicol, Bislama, Brazilian, Breton, Bulgarian, Byelorussian, Catalan, Cebuano, Chamorro, Corsican, Croatian, Czech, Danish, Dutch, Esperanto, Estonian, Faroese, Fijian, Finnish, French, Frisian, Friulian, Galician, Ganda, German, Greek, Greenlandic, Haitian (Creole), Hani, Hiligaynon, Hungarian, Icelandic, Ido, Ilocano, Indonesian, Interlingua, Irish (Gaelic), Italian, Javanese, Kapampangan, Kicongo, Kinyarwanda, Kurdish, Latin, Latvian, Lithuanian, Luxembourg, Macedonian, Madurese, Malagasy, Malay, Maltese, Manx (Gaelic), Maori, Mayan, Minangkabau, Nahuatl, Norwegian, Numeric, Nyanja, Nynorsk, Occitan, Pidgin English, Polish, Portuguese, Quechua, Rhaeto-Roman, Romanian, Rundi, Russian, Samoan, Sardinian, Scottish (Gaelic), Serbian, Serbian (Latin), Shona, Slovak, Slovenian, Somali, Sotho, Spanish, Sudanese, Swahili, Swedish, Tagalog, Tahitian, Tok Pisin, Tonga, Tswana, Turkish, Ukrainian, Waray, Wolof, Xhosa, Zapotec, Zulu, Bulgarian - English, Byelorussian - English, Greek - English, Macedonian - English, Russian - English, Serbian - English, Ukrainian - English, Hebrew - Simplified Chinese (optional), Traditional Chinese (optional), Japanese (optional), Korean (optional), Arabic and Farsi (optional) + Moldovan, Bosnian (Cyrillic and Latin), Tetum, Swiss-German and Kazak.
- Asian (Chinese, Japanese, Korean), Hebrew, Arabic and Farsi are available as add-ons.
- IRISDocument™ also features accurate **multilingual recognition** (up to 5 languages on the same document).
- **MICR:** OCR-A, OCR-B, E13B and CMC7.
- **Barcode:** Codabar, Code 128, Code 39, Code 39 extended, Code 39 HIBC, Code 93, Datalogic 2 of 5, Discrete 2 of 5, EAN-13, EAN-2, EAN-5, EAN-8, IATA 2 of 5, Interleaved 2 of 5, MSI pharmaceutical, MSI-Plessey, PDF-417, PostNet, PostNet 32, PostNet 52, PostNet 62, QR Code, Reverse 2 of 5, UCC-128, UPC-A, UPC-E and UPC-E extended.
- **Dot Matrix.**
- Define a **User Lexicon.**
- Fine-tune the **Recognition Vs. Speed** ratio.
- Choose to apply recognition to selected pages only.

4 - Document Structuring

Define the content of your output documents and the structure of your batches

- Create a document per Batch, Image Folder, Input File, Input Document (e.g. from IRIS Powerscan™).
- Split a document based on detection of barcodes or blank pages (which you can decide to keep or not).

5 - Indexing

- Generate a full-page text index for every image.
- Recognize the value of barcodes.
- Export that information as an index file in XML format.
- You can also use the indexed information for file renaming.

6 - Document creation

- **Output formats:**
 - **PDF** (4 different file modes: Image, Image-Text, Text, Text-Image, with many options: PDF/A-1b compliance for long-term archiving, certification, encryption).
 - **PDF with iHQC™ hyper-compression** (3 different compression levels, many options: PDF/A-1b compliance, certification, encryption).
 - **XPS** (4 different file modes: Image, Image-Text, Text, Text-Image).
 - **XPS with iHQC™ hyper-compression** (3 different compression levels, many options).
 - **Common file formats** such as TXT, RTF, DOC, OpenDocument text, HTML, XML, WordML, SpreadsheetML.
 - **Image file formats** such as TIFF (single or multi-page), BMP, JPEG, JPEG2000, or PDF image (also available with iHQC™ hyper-compression).
- IRISDocument™ offers you the possibility to activate multiple output formats simultaneously. This allows you for instance to convert an image into PDF/A-1b for long-term archiving, and at the same time to PDF with iHQC™ hyper-compression for sharing by e-mail within your organization.
- Various settings specific to the output format are also available, for instance layout retention, document protection by password, electronic signature with or without embedded fonts, etc.

7 - Document naming and file output

The option Use name of first image is selected by default on the Document Names tab. This way, IRISDocument will use the name of the first image users send via the MFP.

Note: the name a user gives to a document when sending in via the MFP should be his personal identifier that was attributed to him by the IRISDocument Administrator (via the Workgroup Editor). The identifier will be added in front of the default name attributed by the MFP: e.g. DGI_20100108134212. The standard name consists of the year, month, day, hour, minute and second the document was processed by the MFP.

8 - Export

An Export application lets you define the export mode of the documents; you indicate whether they must be sent by e-mail, to a personal folder, an FTP folder or a Microsoft® SharePoint® website (optional Add-on).

Only one export mode may be selected at a time (refer to the Installation and Administration guide for more details).

Add-On Modules

Language add-ons

IRISDocument™ offers you the possibility to add recognition of Traditional and Simplified Chinese, Korean, Japanese, Hebrew, Farsi and Arabic.

iHQC™ add-on

Take full advantage of the new compression technology with this page limited or unlimited add-on (see page 10 for more details).

Multi-CPU add-on

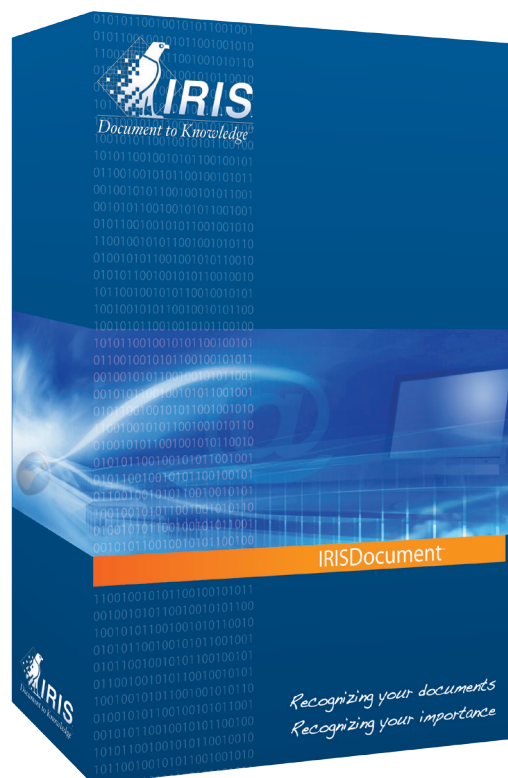
With the Multi-CPU Add-on, spread the workload across the dual/quad cores of your CPU(s) to make the best use of your computer and server resources.

For instance, with this Add-on and on a quad-core CPU, IRISDocument™ Server will process up to a stunning 60,000 images/day on a single PC!

SharePoint® add-on

IRISDocument™ connects directly to any Microsoft® SharePoint® server to export the generated documents with their indexes.

Moreover if you combine IRISDocument™ with IRIS Powerscan™, the different document types and their indexes you defined prior to scanning will be exported to SharePoint® along with your files, automatically into the right document libraries, based on these document types.



iHQC™: Intelligent High Quality Compression Technology

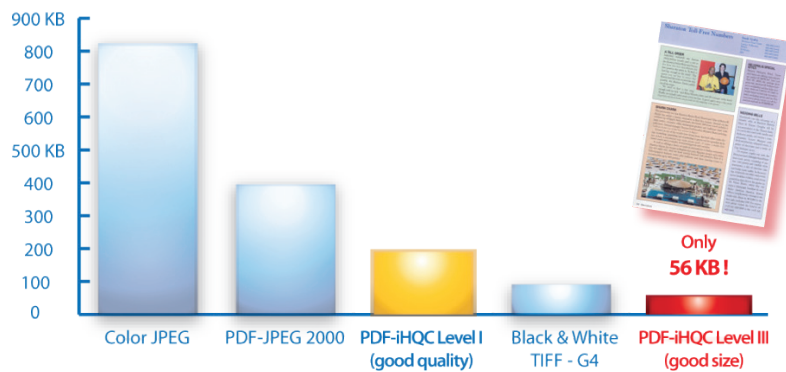
iHQC™ is the revolutionary hyper-compression technology from I.R.I.S., which will dramatically reduce the size of your PDF, PDF/A-1b and XPS files (color or black and white) while maintaining perfect image quality and text legibility. iHQC™ generates better quality than JPEG 2000 with much smaller files.

iHQC™ offers several levels of compression. IRISDocument™ comes standard with the basic one, for unlimited volumes of documents.

You will also enjoy the best levels of compression for 1,000 images/year without having to purchase the add-on.

Images	Color (Uncompressed)	Color compressed JPEG		Black & White TIFF Group 4		PDF+ iHQC™ Good Size (image + text)		PDF+ iHQC™ Good Quality (image + text)	
	Kbytes	Kb	compression	Kb	compression	Kb	compression	Kb	compression
byte_a	19.978	1.445	14	119	168	57	350	86	232
sojourn_c_son	19.158	824	23	91	211	59	325	88	218
eos03noise	33.836	1.024	33	89	380	58	583	100	338
fnac01	7.795	474	16	30	260	25	312	35	223
lion_a	8.196	759	11	35	234	30	273	44	186
park_a	4.303	436	10	30	143	25	172	32	134
scenic_b	13.540	619	22	76	178	43	315	61	222
time_france	19.429	904	21	106	183	57	341	80	243
invoiceTDI	26.092	1.259	21	29	900	52	502	85	307
Total	126.236	7.744	16	605	209	406	311	611	207

This table is showing that iHQC™ allows to generate fully-searchable PDF, PDF/A-1b and XPS files (containing both the color image and the full-text index) that are more than 200 times smaller than the original color image and smaller than the black & white TIFF Group 4 image (which doesn't contain the full-text index).



Available iHQC™ compression levels:

- iHQC™ - Level I – Good Quality - INCLUDED
- iHQC™ - Level I – Good Size
- iHQC™ - Level II – Good Quality
- iHQC™ - Level II – Good Size
- iHQC™ - Level III – Good Quality
- iHQC™ - Level III – Good Size

INCLUDED: 1.000 pages only.
Over 1.000 pages: Optional iHQC™ Add-on.
Prices are volume based. See I.R.I.S. price list.

System Requirements

Recommended

Intel® Pentium® IV 2 Ghz PC

1 GB RAM is recommended to process grayscale and color images

2 GB recommended when using the multi CPU add-on

USB port for hardware key

2 GB available disk space

Windows® 7, Vista®, XP, Server® 2008 and 2003 (32 or 64 bit compatible)

I.R.I.S. Company Profile

Image Recognition Integrated Systems (I.R.I.S.), a Belgian company founded in 1987 and listed on Euronext Brussels (IRI), is a leader in the "Document to Knowledge" market, and provides extremely high-quality solutions for converting paper documents into electronic formats for archiving, storing and sharing digital information.

For more information on our company, our solutions or our products, visit the I.R.I.S. website at www.irislink.com.

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