

## **ABBYY FlexiCapture Engine 12**

### **Parametry techniczne:**

#### **ABBYY FlexiCapture Engine 12 Requirements**

- PC with x86-compatible processor (1GHz or higher)
- Operating system:
  - Windows 10 (32-bit and 64-bit)
  - Windows Server 2012 R2 (64-bit)
  - Windows Server 2012 (64-bit)
  - Windows 8.1 (32-bit and 64-bit)
  - Windows 8 (32-bit and 64-bit)
  - Windows Server 2008 R2 (64-bit)
  - Windows 7 (32-bit and 64-bit)

#### **ABBYY FlexiCapture Engine has been tested on the following cloud computing platforms:**

- Windows Azure Virtual Machines
- Amazon EC2

#### **ABBYY FlexiCapture Engine has been tested in the following virtual environments:**

- Microsoft Hyper-V (only with a software protection key)
  - VMware ESXi 5
- Memory:
- for processing one-page documents – at least 400 MB RAM, 1 GB RAM recommended
  - for processing multi-page documents – at least 1 GB RAM, 1.5 GB RAM recommended
- Hard disk space: 1400 MB for library installation and 100 MB for program operation plus additional 15MB for every processing page of a multi-page document
- 100% TWAIN-compatible scanner, digital camera, or fax modem – for scanning only
- Video card and monitor (min. resolution 1024\*768) – for displaying GUI elements
- Keyboard, mouse or other input device
- The following registry branches should be accessible from the workstation:

- “HKEY\_CURRENT\_USERSoftwareABBYSDK12FlexiCapture Engine” – full control
  - “HKEY\_CURRENT\_USERSoftwareABBYSDK12” – full control for installation only
  - “HKEY\_LOCAL\_MACHINESoftwareABBYSDK12” – full control for installation only
- The following folders should be accessible from the workstation:
- Folder with ABBYY FlexiCapture Engine binary files – access for reading
  - %TEMP% folder – full control access
  - folder %ProgramData%ABBYSDK12FlexiCapture Engine – full control access
  - folder %ProgramData%ABBYSDK12Licenses – full control access
- The following components should be installed:
- Microsoft Internet Explorer 5.0 or higher
  - If your application uses any functionality with a GUI displayed, Microsoft Windows Common Controls must be version 5.80 or later and RichEdit Control must be version 3.0 or later

## **ABBY SDK 12 License Server Requirements**

- PC with an x86-compatible processor (1 GHz or higher)
- Operating system:
- Windows 10 (32-bit and 64-bit)
  - Windows Server 2012 R2 (64-bit)
  - Windows Server 2012 (64-bit)
  - Windows 8.1 (32-bit and 64-bit)
  - Windows 8 (32-bit and 64-bit)
  - Windows Server 2008 R2 (64-bit)
  - Windows 7 (32-bit and 64-bit)
- ABBY FlexiCapture Engine has been tested in the following virtual environments:
- Microsoft Hyper-V (only with a software protection key)
  - VMware ESXi 5
- 25 MB of free hard-disk space
- folder %ProgramData%ABBYSDK12Licenses – full control access

## **Compatibility**

ABBY FlexiCapture Engine 12 works with projects created in ABBYY FlexiCapture 12 Release 1, Build 12.0.1.263, or earlier. Projects saved in the current version of ABBYY FlexiCapture Engine 12 can be used in ABBYY FlexiCapture 12 Release 1, Build 12.0.1.263, or later.

## Development tools

The ABBYY FlexiCapture Engine application programming interface conforms to the COM standard and can be easily used in C/C++, Visual Basic, .NET, Delphi, Java or any development tool supporting COM components. The Engine can be adapted for use in scripting languages like VBS, JS, and Perl.

OCR:

### **ABBYY FlexiCapture Engine 12 recognizes 204 OCR languages, including:**

→ 52 languages with full built-in dictionary support:

- Languages with Latin, Cyrillic, Greek or Armenian characters: Armenian (Eastern, Western, Grabar), Azerbaijani (Latin), Bashkir, Bulgarian, Catalan, Croatian, Czech, Danish, Dutch (Netherlands), English, Estonian, Finnish, French, German (new and old spelling), Greek, Hungarian, Indonesian, Italian, Latin, Latvian, Lithuanian, Norwegian (Nynorsk and Bokmal), Polish, Portuguese (Portugal and Brazil), Romanian, Russian (new and old spelling, with accents marking stress position), Slovak, Slovenian, Spanish, Swedish, Tatar, Turkish and Ukrainian.
- Japanese, Korean, Korean Hangul, Arabic, Thai, Vietnamese, Hebrew.
- FineReader XIX languages for recognition of old European documents printed in the 17th–19th centuries: English, French, German, Italian, Latvian Gothic, Old Slavonic and Spanish.

→ 148 languages without dictionary support:

- Languages with Latin, Cyrillic, or Greek characters: Abkhaz, Adyghe, Afrikaans, Agul, Albanian, Altaic, Avar, Aymara, Azerbaijani (Cyrillic), Basque, Belarusian, Bemba, Blackfoot, Breton, Bugotu, Buryat, Cebuano (Visayan), Chamorro, Chechen, Chukchee, Chuvash, Corsican, Crimean Tatar, Crow, Sioux (Dakota), Dargwa, Dungan, Dutch (Belgian), Eskimo (Cyrillic), Eskimo (Latin), Even, Evenki, Faeroese, Fijian, Frisian, Friulian, Gagauz, Galician, Ganda, German (Luxemburg), Guarani, Hani, Hausa, Hawaiian, Icelandic, Ingush, Irish, Jingpo (Tinpo), Kabardian, Kalmyk, Karachay-balkar, Karakalpak, Kasub, Kawa, Kazakh, Khakas, Khanty, Kikuyu, Kirghiz, Kongo, Koryak, Kpelle, Kumyk, Kurdish, Lak, Lezgin, Luba, Macedonian, Malagasy, Malay, Malinke, Maltese, Mansi, Maori, Mari, Maya, Miao, Minangkabau, Mohawk, Mongol, Mordvin, Nahuatl, Nenets, Nivkh, Nogay, Nyanja, Ojibway, Ossetian, Papiamentu, Provencal, Quechua, Rhaeto-Romanic, Romanian (Moldavia), Romany, Rundi, Rwanda, Sami (Lappish), Samoan, Scottish Gaelic, Selkup, Serbian (Cyrillic), Serbian (Latin), Shona, Somali, Sorbian, Sotho, Sunda, Swahili, Swazi, Tabasaran, Tagalog, Tahitian, Tajik, Tok Pisin (Pidgin English), Tongan, Tswana, Tun, Turkmen, Turkmen (Latin), Tuvan, Udmurt,

Uigur (Cyrillic), Uigur (Latin), Uzbek (Cyrillic), Uzbek (Latin), Welsh, Wolof, Xhosa, Yakut, Yiddish, Zapotec, Zulu.

- Chinese Traditional, Chinese Simplified
- Artificial languages: Esperanto, Interlingua, Ido and Occidental.
- Special languages: CMC7, E13B, OCR-A, OCR-B.
- Programming languages: Basic, C/C++, COBOL, Fortran, JAVA and Pascal.
- Simple chemical formulas.
- Digits.

→Tools for creating user-defined languages.

#### **ICR:**

**ABBYY FlexiCapture Engine 12 provides ICR technology – hand-printed character recognition for 126 languages, including:**

→39 languages with morphology/dictionary support (languages with Latin, Cyrillic, and Greek alphabets).

→87 languages without dictionary support.

Supported Image Formats:

The ABBYY FlexiCapture Engine 12 opens and saves image files in the following formats:

→PDF:

Files in PDF format (Version 1.7 or earlier), including PDF/Archive (PDF/A)

→BMP:

uncompressed black and white  
uncompressed gray  
uncompressed color

→PCX, DCX:

2-bit – black and white  
4- and 8-bit – gray  
TrueColor

→JPEG:

gray, color

→JPEG 2000:

gray, 8-bit  
color, RGB or YCC colorspace, 8 bit per channel  
color, encoded using 8-bit palette in RGB colorspace

→TIFF:

black and white – uncompressed, CCITT4, Packbits, ZIP, LZW  
gray – uncompressed, Packbits, JPEG, ZIP, LZW  
TrueColor – uncompressed, JPEG, ZIP, LZW

Palette – uncompressed, Packbits, ZIP  
multiimage TIFF

→PNG:  
black and white, gray, color

→JBIG2:  
black and white

Also ABBYY FlexiCapture Engine 12 opens image files in the following formats:

→GIF:  
black and white – LZW-compressed  
gray – LZW-compressed  
TrueColor – LZW-compressed

→DjVu:  
black and white, gray, color

→TIFF:  
CCITT3FAX

Document Saving Formats:

→Microsoft Office Excel Workbook (\*.XLS)

→DBase file (\*.DBF)

→Comma Separated Values File (\*.CSV)

→Simple text (\*.TXT)

→XML Document (\*.XML)

Barcode Types

→1D: Codabar (with Check CodaBar), Code 128, Code 39 (with Check Code 39), Code 93, EAN 8 and 13, GS1-128, IATA 2 of 5, Industrial 2 of 5, Interleaved 2 of 5 (with Check Interleaved 2 of 5), Matrix 2 of 5, Patch, PostNet, UPC-A, UPC-E.

→2D: PDF 417, Aztec, Data Matrix, QR Code.