



# Kofax OmniPage Capture SDK for Embedded Linux Technical Specifications

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**KOFAX**

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<b>Date</b>	<b>Revision</b>	<b>Description</b>
22/09/2023	1.0	Initial version

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# About OmniPage Capture SDK for Embedded Linux

The technical specifications in this document are specific to Kofax OmniPage Capture SDK 22.1.0 for Embedded Linux.

To support your Kofax OmniPage Capture SDK for Embedded Linux system, verify that the requirements listed in this document are met, including the amount of memory and disk space. These requirements apply specifically to Kofax OmniPage Capture SDK for Embedded Linux and do not include any amount of memory or disk space required for the operating system, environment, or other software that may be running on the same machine.

# Product Features

- Image input:
  - Different image file formats (for example, TIF, JPG) and memory
  - Black & White, Grayscale and Color images
- OCR languages: See the list of supported languages in [Product requirements](#).
- Image pre-processing:
  - Image cleaning features, such as de-speckling
  - Inverse text detection (light text on dark background)
  - Auto rotation and auto de-skew
- Text and XML output:
  - XML contains character and location information
- Searchable PDF output:
  - MRC compression
  - PDF/A
  - Secure-PDF
- RTF, DOCX, XLSX, PPTX and Textual PDF formatted outputs
- 1D and 2D barcodes
- API documentation and C/C++ headers for the OCR library
- Several sample sources to be used as a reference design for the API
- Linkable shared object files (.so files)

# Product requirements

Specification	Description
Hardware	<p><b>Development:</b> The usual development environment is an x86/x64 desktop Linux computer with a cross compiler suitable for compiling ARM binaries for your target platform. Other operating systems, like Windows or Mac OS, can also be used for development.</p> <p><b>Runtime:</b> An embedded system with ARMv7 32-bit or ARMv8 64-bit CPUs, such as Cortex-A9, Cortex-A15, Cortex-A57, x86/x64, and so on.</p> <ul style="list-style-type: none"><li>• 1 GHz CPU clock minimum</li><li>• 1 GB RAM minimum</li><li>• 450 MB free storage</li></ul>
Embedded Operating Systems	Any Linux distribution for your Embedded System, such as Ubuntu, Debian, and so on.
Required Runtime libraries	<ul style="list-style-type: none"><li>• 64-bit: aarch64 compatible C/C++ runtime</li><li>• 32-bit: gnueabi or gnueabihf compatible C/C++ runtime depending on your choice</li></ul>

Specification	Description
Languages supported	<p>Developer documentation: English</p> <p>125 OCR languages:</p> <p>AFRIKAANS, ALBANIAN, ARABIC, AYMARA, BASQUE, BELARUSIAN, BEMBA, BLACKFOOT, BRAZILIAN PORTUGUESE, BRETON, BUGOTU, BULGARIAN, CATALAN, CHAMORRO, CHECHEN, CHINESE - SIMPLIFIED, CHINESE - TRADITIONAL, CORSICAN, CROATIAN, CROW, CZECH, DANISH, DUTCH, ENGLISH, ESPERANTO, ESTONIAN, FAROESE, FIJIAN, FINNISH, FRENCH, FRISIAN, FRIULIAN, GAELIC - IRISH, GAELIC - SCOTTISH, GALICIAN, GANDA, GERMAN, GREEK, GUARANI, HANI, HAWAIIAN, HUNGARIAN, ICELANDIC, IDO, INDONESIAN, INTERLINGUA, INUIT, ITALIAN, JAPANESE, KABARDIAN, KASHUBIAN, KAWA, KIKUYU, KONGO, KOREAN, KPILLE, KURDISH, LATIN, LATVIAN, LITHUANIAN, LUBA, LUXEMBOURGIAN, MACEDONIAN, MALAGASY, MALAY, MALINKE, MALTESE, MAORI, MAYAN, MIAO, MINANKABAW, MOHAWK, MOLDAVIAN, NAHUATL, NORWEGIAN, NYANJA, OCCIDENTAL, OJIBWAY, PAPIAMENTO, PIDGIN ENGLISH, PIREZ, POLISH, PORTUGUESE, PROVENCAL, QUECHUA, RHAETIC, ROMANIAN, ROMANY, RUANDA, RUNDI, RUSSIAN, SAMI, SAMI LULE, SAMI NORTHERN, SAMI SOUTHERN, SAMOAN, SARDINIAN, SERBIAN - CYRILLIC, SERBIAN - LATIN, SHONA, SIOUX, SLOVAK, SLOVENIAN, SOMALI, SORBIAN, SOTHO, SPANISH, SUNDANESE, SWAHILI, SWAZI, SWEDISH, TAGALOG, TAHITIAN, TONGAN, TSWANA, TUN, TURKISH, UKRAINIAN, VIETNAMESE, VISAYAN, WELSH, WOLOF, XHOSA, ZAPOTEC, ZULU</p>