

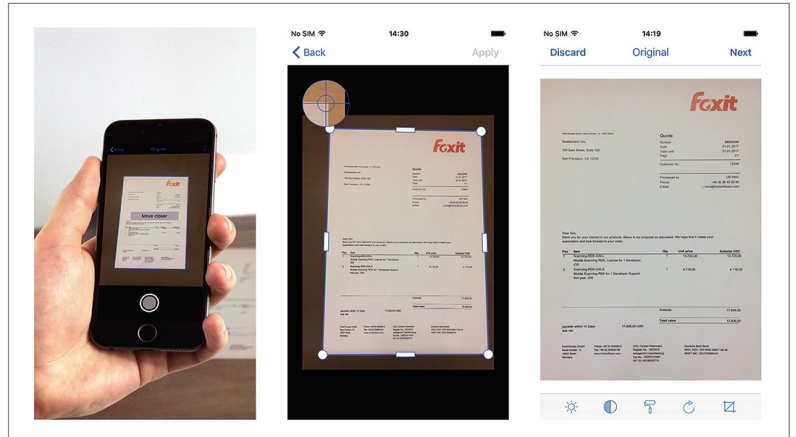
Mobile Scanning Solutions

The **Mobile Scanning RDK** is a smart software component to meet the complex challenge of photographing documents and papers using a mobile app.

Users of such apps can now turn documents (photographed page by page) into first-class, highly compressed PDF files.

No specialist training is required for this task; instead, they are guided through it by straightforward instructions produced by the **Mobile Scanning RDK** itself based on the current context.

App architects and developers can fully concentrate on the business requirements – the **Mobile Scanning RDK** takes care of document capture on the move.



The **Mobile Compression SDK** uses MRC for image compression on the device that saves valuable space and transmission bandwidth. Never before has it been so easy to turn images into highly compressed, standards-compliant PDFs and PDF/As on a mobile device. The **Mobile Compression SDK** is a core component of the **Mobile Scanning RDK**, but it can also be licensed and used outside of the RDK. The **PDF Scanner** is a compact technology demonstrator for the underlying **Mobile Scanning RDK** and **Mobile Compression SDK** on which it is based.

**EXTREME DOCUMENT COMPRESSION:
MIXED RASTER CONTENT (MRC)
COMPRESSION**

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- 1 **Foreground image**
Color information from text and images
- 2 **Masks**
Text and image elements
- 3 **Background image**
Background and images



Mobile Scanning RDK

A solid imaging foundation for dedicated scanning apps or for those looking to integrate or upgrade document scanning functionality.

The **Mobile Scanning RDK** is designed in a modular fashion.

Imaging Module	<ul style="list-style-type: none"> Image recognition and processing: document recognition, perspective correction, white balance correction, edge detection, image rotation, glare detection and compensation, brightness and contrast adjustment, etc.
Image Capturing Module	<ul style="list-style-type: none"> Camera control: lighting conditions, focus, shutter release Abstraction of specific camera modules
Image Processing Module	<ul style="list-style-type: none"> Image processing and transformation (synchronous/asynchronous)
PDF Session / PDF Management Module	<ul style="list-style-type: none"> Image storage management, save and load Document editing interface: delete, add, move
Document Management Module	<ul style="list-style-type: none"> Manage all documents stored within the app Delete and rename documents Group and sort documents



Mobile Compression SDK

Convert images into highly compressed PDF and PDF/A files within your app.

Programming interfaces	<ul style="list-style-type: none"> C++, Objective-C (iOS) and Java (Android) (Xamarin Bindings available on request)
Compression	<ul style="list-style-type: none"> MRC compression incl. JBIG2, JPEG2000 (An A4 page generated in full color takes up just 40 kB or less space) JPEG (color, grayscale) Fax G4 (bitonal)
PDF functions	<ul style="list-style-type: none"> Load, save, copy, move, rotate
OCR	<ul style="list-style-type: none"> An interface is available for integrating OCR results (e.g. ABBYY® XML)



PDF Scanner

This app turns your smartphone into a mobile scanner on the move. Top-quality images are packaged into outstanding PDF files, perfectly suited for downstream mailrooms, cloud solutions and emailing.

Functions	<ul style="list-style-type: none"> Automatic focus and resolution Ongoing quality control during scanning Automatic adjustment of brightness, contrast and color values Editable list of all scanned documents
Output formats	<ul style="list-style-type: none"> PDF/A-2u files suitable for long-term archiving or JPEG sequences

Requirements

- iOS 8.0 +
- Android 4.1 / API level 16 +
- ≥ 1 GB RAM
- ≥ 2 MP camera with autofocus