

picsel®
Fileviewer Development Kit™

View your Docs anywhere...

Delivering a range of documents and pictures to the broadest array of mobile devices does not always mean giving away control of your device's look and feel or being constrained in system design.

YOU BUILD. YOU DEPLOY. FAST.



Differentiate with a Premium Viewing Experience.

Picseel File Viewer Development Kit (FVDK) allows you, the manufacturer, to design your own application around a feature-packed engine for content delivery and consumption. FVDK is delivered as a linkable library containing the core features for loading documents, displaying them on screen and handling navigation through any user interface.

Extensive File Compatibility

FVDK can be configured to load documents in a variety of formats direct from the original files without conversion. Content is rendered by Picseel's benchmark, high quality graphics engine with realistic page layout, interactive control and antialiased resolution enhancement.



Cross Platform Compatibility

FVDK uses Picseel's well established platform independent porting layer allow easy integration. A Picseel-defined API allows you to appropriately intercept or execute system calls. Filing system access can be limited to selected folders; memory allocation can be balanced with other applications; key presses can be assigned to suitable functions for action.

Product Highlights

FVDK empowers your engineers to put state-of-the-art features in front of your users, while retaining complete control of appearance and capabilities. FVDK offers a broad spectrum of powerful document manipulation features:

- Pan and zoom, fit page to screen, rotate.
- Change to next, previous, or specified page.
- Animated page turn effects.
- Hide off-screen, full screen mode.
- Reformat large pages to fit on small screen.
- Font engine providing scalable fonts.
- Bi-directional text.
- Receive control input by keypad or touch-screen.
- Compatible with most European, Asian and other language regions.

SEEING IS BELIEVING.
 REQUEST A DEMONSTRATION TODAY.



INSIDE Fileviewer Development Kit™

VIEWABLE FILE FORMATS

Microsoft Word 97, 2003, 2007, 2010 .doc .docx, Microsoft Excel 97, 2003, 2007, 2010 .xls .xlsx, PowerPoint 97, 2003, 2007, 2010 .ppt .pptx, Adobe PDF .pdf, Plain text .txt, Bitmap images .jpg .bmp .png .gif, Vector images .wmf .emf.

OPERATING SYSTEMS

PSO operates on Multiple Platforms, Android, iOS, Samsung BADA, Symbian S60v5. Other platforms including RTOS subject to integration.

INTERNATIONALISATION

German, Spanish, French, Italian, Polish, Portuguese, Korean, Japanese, Russian, Turkish, Simplified Chinese, Traditional Chinese and other language groups. Fonts for these languages can be provided by Picssel.

RENDERING & FONT ENGINE

Optimised display manager, Pan and Zoom, Capability, Anti Aliasing and advanced scaling technology. Picssel Type Rendering, Vector Fints – Postscript (1,2,3), TrueType, Bitstream, OpenType.

Freeform Pan & Zoom

The highly responsive real-time rendering engine is capable of an infinitely variable zoom range which provides instantaneous feedback to the user as they interact with their content.

Platform Independence

Providing powerful PC functionality and experience to lowend devices across all platforms. Picssel FVDK uses platform independent code, making integration straightforward on any operating system.

High Fidelity Rendering

Picssel's File Viewer technology delivers faithful replication of desktop content on mobile. The powerful font engine ensures sharp and crystal clear font representation no matter how small the screen.



Simple Integration

Picssel has delivered FVDK on dozens of platforms and offers a training and support programme to ensure efficient integration and optimal performance. A working prototype is generally demonstrable after about two weeks of joint engineering effort, after which a cycle of testing ensures complete satisfaction.

Performance & Requirements

Picssel FVDK can open, display and manipulate content in remarkably short amounts of time. The time taken to load a file varies dependent on a document's contents. The FVDK library can run in small, configurable time slices (defaulting to 200ms) to facilitate shared execution even on non-multi-tasking devices. Most keystroke and gesture actions are completed in a moment, giving truly immersive interactivity.

FVDK requires around 1.5Mb of ROM, with approximately 300Kb more for Asian fonts. At runtime, a working heap of 4Mb is sufficient. If this memory is exhausted, large documents will be loaded page by page. Picssel recommends a processor speed of 200MHz or more, and a full colour (16bpp) screen with at least 176x144 pixels. These figures are for guidance only.

Who We Are

Picssel UK is a dynamic platform provider with embedded products on over 500 million devices globally and which delivers the richest user experience on mobile. Key stakeholders of the mobile value chain – including Network Operators, OEMs and Content Owners, rely on Picssel's solutions to enable the delivery of Documents, Content and User Interface solutions. Picssel's unique technology enables delivery of the highest quality visual aesthetic and brings desktop experience to mobile.

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