

VIEWML

OPEN SOURCE

ViewML™

Web browser family—the essential application for Internet appliances

The ViewML web browser family offers a complete suite of solutions designed for every size of embedded application and platform.



ViewML—The best browser solution for small-footprint systems.

If your embedded project requires an extremely small yet fully functional browser, look no further than ViewML—the original small-format browser. With a tiny 900 Kbyte storage footprint and a runtime memory requirement of less than 4 Mbytes, this state-of-the-art browser is your best solution for wireless devices, PDA's, and portable tablets.

In addition to traditional web browsing, ViewML is strongly suited as the graphical user interface of choice for embedded control systems used in elevators, vending machines, automobile displays...literally anywhere embedded devices are found that sport an LCD touchscreen panel requiring graphical user interaction.

ViewML^{PLUS}—A compact, robust solution that boasts Netscape plugin support.

When your browser needs demand HTML 4.0 compatibility, cascading style sheets, dynamic HTML, and plugin support for multimedia applications such as streaming video, ViewML^{PLUS} is the ideal solution. With a modest 4 Mbyte storage requirement and less than 12 Mbytes of base memory, ViewML^{PLUS} gives you the latest HTML compatibility while supporting the most popular multimedia components through the use of Netscape plugins.

If you demand your browser be compliant with the latest streaming technologies, ViewML^{PLUS} is up to the challenge with plugin support for RealPlayer 7/8 playback. If your browser needs to support the most popular display animations, ViewML^{PLUS} is there with plugin support for Flash animations. If you need to share documents across a wide variety of platforms, ViewML^{PLUS} is up to the task with plugin support for Adobe's Portable Document Format (pdf) files.

ViewML^{ULTRA}—The high-end solution for customers that demand it all.

When your customers expect a full suite of applications integrated into one all-encompassing solution, ViewML^{ULTRA} is the answer. Sporting a fully compliant HTML rendering engine, ViewML^{ULTRA} not only supports the latest HTML standards, but also is compatible with virtually all Netscape plugins. This means support for the latest streaming media applications like RealPlayer and Flash animation for creating dynamic, engaging content.

Integrated into ViewML^{ULTRA} is a suite of applications designed to give your customers everything they need to interact with their favorite resources on the Internet. An e-mail application will keep them synchronized with their business and personal contacts. A robust news application allows them to scan the thousands of news categories available and stay up-to-date with information relating to their favorite topics. A built-in FTP client allows them to send and receive files, images, and programs from millions of servers and knowledge repositories. Chat and Instant Messaging applications let them connect quickly with colleagues and new acquaintances to share their views...or quickly schedule a lunch get-together.

ViewML—the ultimate embedded web browser solution



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	ViewML	ViewML^{PLUS}	ViewML^{ULTRA}
System			
Software Base	KDE, KFM 1.0	KDE, Konqueror 2.0	Mozilla 0.8.1
Graphical Environment Support ¹	Microwindows, X11	X11	X11
Runtime Memory Footprint ²	4 Mbytes	≅12 Mbytes	≅22 Mbytes ³
Disk Footprint ⁴	900 Kbytes	≅4 Mbytes	≅38 Mbytes
Availability	now	2nd half 2001	2nd half 2001
Browser			
HTML	HTML 3.2, Frames, Forms	HTML 4.0	HTML 4.0
Cascading Style Sheets	no	CSS 1/2	CSS 1/2
Image Support	GIF/JPEG/PNG/BMP/XBM	GIF/JPEG/PNG	GIF/JPEG/PNG
JavaScript	JavaScript 1.1 (limited)	JavaScript 1.5 (ECMA-262 Rev 3)	JavaScript 1.5 (ECMA-262 Rev 3)
Java Virtual Machine	no	Java 2 using Blackdown JVM 1.3; IBM JVM 1.3; Sun JVM 1.2.2	Open JVM Integration (Mozilla OJI)
Secure Socket Layer	SSL Version 2/3	SSL Version 2/3	SSL Version 2/3
WebMedia HTML Extensions	yes	yes	tbd
XML	no	no	XML 1.0
Plugin Support^{5, 6}			
Netscape Plugin Support	no	most	most
RealPlayer	no	RealPlayer 7/8	RealPlayer 7/8
QuickTime ⁷	no	no	no
Flash	no	yes	yes
Shockwave ⁷	no	no	no
Acrobat Reader	no	Acrobat 4.0	Acrobat 4.0
Scalable Vector Graphics	no	tbd	W3C SVG
Integrated Applications			
Mail Client	no	no	POP, IMAP, SMTP, MIME, Attachments
News Client	no	no	NNTP
Chat Client	no	no	yes
FTP Client	no	yes	yes
Gopher Client	no	no	yes
Instant Messaging	no	no	yes ⁸

NOTES

- 1 — Graphical environments use additional memory at runtime and require additional system storage.
- 2 — Runtime memory usage measured with “top” immediately after application launch and successful loading of test web page.
- 3 — Not all application components are loaded into memory at one time.
- 4 — Disk storage measured with “du” from base application directory.
- 5 — The use of plugins require additional memory at runtime and additional system storage.
- 6 — Netscape plugin support is only available under X11 on x86-compatible hardware.
- 7 — These multimedia technologies are not supported under Linux.
- 8 — Instant messaging compatibilities with existing protocols is TBD.