

# Haihaisoft DRM-X 4.0 Introduction



**Haihaisoft Limited**

Haihaisoft, founded in 2004, is a small software development company focuses on Digital Rights Management core technology research and development. Haihaisoft provides customers industry leading DRM platform and streaming solutions. Haihaisoft offers content protection and related solutions that enable businesses to maximize the value of their digital content products. Haihaisoft's services and solutions are deployed by companies in education, training, consumer electronics, software, information publishing and company consulting markets to solve industry-specific challenges.

Haihaisoft's mission is: Let no piracy in the world!

## What's new in DRM-X 4.0?

### New Security Architecture

Haihaisoft redesigned security architecture for DRM-X 4.0 with higher security standards, the encryption method is completely different from DRM-X 3.0. With new Xvast Packager, the encryption is more complex and strict than before. Each file's encryption is different. It makes hacking protected files much harder. You can force customers using the latest version of Xvast browser. It also supports safer license revoke. You can revoke the license delivered to users in DRM-X 4.0 account.

### New Xvast browser

Xvast browser is based-on latest Chrome core. Chrome now is most people's favorite browser because it's the fastest browser, and with high security level. It's also supports all the latest HTML5 standards. Haihaisoft makes Xvast browser more secure based-on Google Chrome. All the protected files can be securely opened in Xvast both (streaming online and open it in local computer or device in Xvast), and the rights permission of files can be totally controlled by Content Providers in DRM-X 4.0 platform. Such as Begin Date, Expiration Date, Expiration after First Use, Play Count, Dynamic Watermark, Disable Virtual Machine (like VMWare), Blacklist, License combined with hardware, and so on.

### More exact Rights expiration limit

In DRM-X 4.0, it supports more exact Rights expiration limit. In DRM-X 3.0, you can set it expires in hours. But in DRM-X 4.0 you can set it expires in seconds.

## Better streaming, support HTML5 DRM

With Xvast browser, it supports new HTML5 Video tag. User's streaming experience is as fast as Chrome's speed. It also saves battery in Android devices than before. Your users can play high definition video online. You can still host the protected files with exists HTTP Server (Your dedicated Server or Cloud server, such as Amazon's). Streaming also support CDN networks.

## Better interaction with web pages

With HTML5 support, the video player can be full customized in your side with JavaScript and CSS. You can use famous HTML5 Video Player, such as VideoJS online. In HTML5 Video Player, you can let customer choose different playback rate to play video. Embed the protected video and PDF into your web page much easier than before. It supports both view the protected files online and offline in Xvast browser.

## Smart Prevent Screen Recording Technology

In DRM-X 4.0, Haihaisoft provides the unique Smart Prevent Screen Recording Technology. It can automatically and effectively detect Screen Recording software in the market, even future Recording Screen software. It helps content providers better control the Rights of their DRM-X 4.0 protected content. Smart Prevent Screen Recording supports Windows, Android, MacOS and iOS platform.

## Powerful Online Control Panel

Haihaisoft DRM-X 4.0 includes a powerful online control panel. It makes content providers easy to manage all business model, license rights, permissions and users.

## Faster License Delivery

With strong encryption, Haihaisoft also improves license deliver speed. DRM-X 4.0 servers now deployed in both US ([4.drm-x.com](http://4.drm-x.com)) and China ([4.drm-x.cn](http://4.drm-x.cn)). For China Mainland users connect with Chinese server is much faster. For other users, connect with US server is faster.

## Better PDF Support

For protected PDF, your user can view it directly in Xvast browser. User just needs to enter PDF's URL. It also supports downloaded PDF view in Xvast as well. For PDF, it supports dynamic watermark, blacklist, disable clipboard, print count limit, disable virtual printer, and so on.

## More competitive

DRM-X 4.0 now support HTML5 DRM for Audio/Video and PDF. Now it can compete with Widewine, PlayReady and Adobe's DRM. Compare to other DRM providers, DRM-X 4.0's advantage is its more security features, such as Blacklist, dynamic watermark and revoke license. It's also easier to use. You just need to sign up a DRM-X 4.0 account online and download Xvast Browser with Packager to start protect your valuable content.

## Easier integrate with your website

You can easily integrate DRM-X 4.0 platform with your own system by consuming Haihaisoft DRM-X 4.0 XML web service. The license acquire page can be fully customized to yours. It provides better customer experience, because you still using your current website and shopping cart. Your customers acquire license and view protected files online in your website. All of these can be done in Xvast browser.

## HTML Encryption

Haihaisoft encrypt the HTML with its own Xvast Packager in DRM-X 4.0 platform. It protects HTML with C++ private strong encryption methods and protect with DRM-X 4.0 technology with License, and the protected HTML, Javascript, Images and CSS can only be opened with Xvast browser.

DRM-X 4.0 HTML Encryption can be used to protect entire static website includes: HTML page, Javascript, CSS, Images, Audio/Video and PDF. All of protected files are under DRM-X 4.0 digital rights management (DRM) control. You can check and change the rights permission in your DRM-X 4.0 account, and view users and license reports there.

## Document Security

DRM-X 4.0 secured files are protected with strong and private encryption method, and

each data packet is permanently encrypted - no matter who's accessing the content, no matter what device is being used. The security layers and encryption with the document even if it gets saved to a local machine, corporate network, or mobile device. Depending on how you have the document set up, the user will need authentication to view the protected content. With DRM-X 4.0 protection, it keeps your document secure at all times. Protect PDF, Web Pages, and Office files (needs convert to PDF or HTML web page) with DRM-X 4.0 - eBooks, training materials, technical documents, research reports, financial documents, manuscripts, legal files, and more!

## Image Protection

Haihaisoft DRM-X 4.0 introduces protection of image files. It can encrypt and protect images includes: bmp, gif, png, jpg, jpeg, svg. Apply DRM (Digital Rights Management) controls and track how images are accessed and distributed in web pages or as images files. With Xvast Packager in your DRM-X 4.0 account, you can easily batch encrypt images with web pages and other support files together, and apply DRM controls.

## JavaScript Encryption

DRM-X 4.0 gives you a better Javascript protection solution. It encrypts Javascript with private and strong encryption. It protects JavaScript with DRM-X 4.0 rights management, and with a license.

Haihaisoft encrypt the JavaScript (together with HTML, CSS, images) with its own Xvast Packager in DRM-X 4.0 platform. It protects Javascript with C++ private strong encryption methods and protect with DRM-X 4.0 technology with License, and the protected Javascript can only be running in Xvast browser.

## Zoom Meeting Protection

DRM-X 4.0 can encrypt and protect Zoom Video Meeting. The encrypted Zoom video meeting supports functions such as dynamic watermarking to display user information, hardware binding to prevent users from sharing accounts, and smart prevent screen recording to prevent participants from recording Zoom video meeting. The encrypted Zoom meeting can be accessed by HHMeet app on Windows, MacOS, Android and iOS system. It can effectively protect Zoom video conferencing from screen recording and piracy.

## Dynamic Website Protection

DRM-X 4.0 brings DRM protection not only for Audio/Video, PDF content, static HTML and images, but it also can perform high-speed encryption protection for the entire dynamic website, includes all the dynamic pages, JavaScript, images, and CSS are protected by DRM-X 4.0. It can be applied to protect Live Video Conference, such as Zoom Web SDK, Video Call, Interactive live broadcast, etc.

## DRM-X 4.0 Encryption SDK

DRM-X 4.0 Encryption SDK is designed for automate batch encrypting audio/video and PDF files with DRM-X 4.0.

With DRM-X 4.0 Encryption SDK, it automates batch protect Audio/Video and PDF in your server side. It can integrate with your websites and application enables protect the media and PDF files in immediately after content owners uploaded. It can run as a background service and integrate with your website seamlessly.

If you still have any questions about Haihaisoft DRM-X 4.0,

Please feel free to contact us!

<https://www.haihaisoft.com/Contact.aspx>



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