



Next Generation Set Top Box

Watch and enjoy your content any way you want



TV

Modernizing the good old television you love and enjoy

DVR - Recording

DVR all over your home - watch recordings anywhere

Distribution - IP in your home

Watch and enjoy content on:
iOS/Android/Windows
Upgrade your old television

Apps

Expand your experience - add your favorite app

IP-TV Bridge, OTT, etc

Enhance your experience - connect to internet services - YouTube, Google, etc.

HIGHLIGHTS

- DVB-S/S2, DVB-T/T2, DVB-C/C2, ISDB-T, DVB-IP
- Dual, combo or multiple tuner solutions
- Digital Video Recorder (DVR) supporting trick modes
- UPnP/DLNA Server, Player & Renderer
- IPTV and streaming
- Web-kit based Browser
- OTA software update
- Software update through USB or network
- Secure boot and processor
- MS PlayReady
- MHEG-5
- TeleText
- DVB Subtitling
- CI+ 1.3
- BBC iPlayer
- You Tube
- Extensive language support
- Embedded decryption systems. Experience with Conax, Viaccess and NDS
- Chipset-and-card pairing
- HDMI Security
- HDMI CEC
- HDMI Repeater
- DTLA

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Mediarite

Mediarite is Futarque's digital TV software and media player, which has its roots in almost two decades of experience in the DTV broadcast industry. By exploiting the similarities between broadcast TV, IP streaming, VoD and local media playback, Mediarite has evolved into a complete hybrid solution for all of these possibilities.



Broadcast

Mediarite was built for DVB, has been extended to ISDB-T and owing to its modular nature, it can be expanded to support any standard. If you missed a show, you will value the integrated PVR functionality, allowing easy timeshifting or timed recordings of single events or series. EPG, multiple audio languages, subtitles, TeleText, regional variations - you name it, we support it.

Video on Demand

Mediarite supports streaming IP services in both broadcast and on-demand mode. High value content may be protected using Microsoft WMDRM or PlayReady DRM as signalled by CENC (ISO 23001-7) or PIFF standards. Mediarite also supports Adaptive Bitrate using Apple Http Live Streaming (HLS), Microsoft SmoothStreaming and MPEG DASH (ISO/IEC 23009-1).

Security

Protecting assets is paramount to any serious media player or broadcast client software. For digital TV, Mediarite natively supports embedded conditional access systems and the latest version of CI+. For other types of media, Mediarite supports Microsoft WMDRM and PlayReady DRM. The final piece of the puzzle is protecting the secrets of DRM systems, which is accomplished in different ways, depending on the system hardware.

Microsoft
PlayReady



Interactive TV

SmartTV is all the craze these days, and no software offering would be complete without support for interactive standards. For broadcast, Mediarite has solid, certified support for the latest MHEG standard. For IPTV, the standard to measure against is OIPF. HbbTV, which builds on both OIPF and MHEG, is dominant in Europe for hybrid broadcast/broadband delivery.

Connectivity

Consumers often desire to share content between devices in a local network. Mediarite supports this using the UPnP and DLNA standards. Apart from downloaded media, broadcast TV can also be sent on local network to supported player clients. An example of such a client is Futarque's reference iOS and Android application, which can share live TV and recordings to a phone or tablet. Additionally it can also be used to remote control the host TV/STB, view EPG information, schedule recordings, etc.



High portability

During the development of Mediarite we have taken great care to make sure that the software is portable to any platform, while still exploiting the benefits that a particular chipset may offer. As a licensee this also gives you more choice and if you select one of the platforms already supported you will hit the ground running.

Modular architecture

Mediarite can be used in a number of ways: Complete binary distribution, SDK with complete system software, binary library or as a DBus daemon. If none of these standard solutions suit you we are flexible to discuss other licensing terms and technical solutions.

Mediarite SDK

The Mediarite SDK comes with full source code for a feature rich HD 2D/3D UI engine and a reference UI. The reference UI serves both as a demonstration of the available features, but also as a code example. As we add new features, the reference UI will be updated to demonstrate the added functionality and provide a source code example of how to use it.

We are certain that you have your own ideas about what makes a great product. You are free to modify the reference UI any way you see fit or write a new UI using the engine supplied with the SDK. You can even replace the UI engine if you have even better technology yourself or want to preserve an existing solution for look and feel.



Futarque is one of the founding members of Intel® Consumer Electronics Network.

Intel® Consumer Electronics Network is a community of hardware, software and services providers that accelerates the development and time-to-market of Internet-connected CE devices.