

Mobile TV Software PAGE 1

ARE YOU

- . **A mobile phone manufacturer**
- . **A mobile handheld device manufacturer**
- . **A network operator creating endpoint devices**

LOOKING FOR

A complete, tested software solution, which integrates with your choice of tuner and mobile phone hardware to rapidly deliver a mobile digital TV product to market.

THEN

You need Mobile TV from Aricent™. The Aricent Mobile TV solution incorporates all the components required to provide a complete working mobile digital TV. The product can be customized to meet your choice of user interface, broadcast standards, and hardware platform.

Aricent Mobile TV provides components for each layer of the mobile TV stack:

- . The Application layer
- . The Multimedia framework
- . Tuner drivers including the hardware abstraction layer
- . Development tools and test software

VALUE PROPOSITION

A Complete Solution: The Aricent Mobile TV is a thoroughly tested software product for creating a mobile digital TV device

Standards: Aricent has a deep practical knowledge of global mobile digital TV implementation and deployment

Broad Expertise: Aricent has extensive experience of working with the world's leading OEMs, network operators, and broadcast organizations

High Performance: Aricent has a long history of developing high performance, high quality encoder/decoder engines - the foundation for the mobile digital TV solution and the multimedia framework to support a range of popular hardware and software platforms

Platform Independent: Aricent Mobile TV solution has a modular architecture designed to support a wide range of operating systems, processor architectures, and tuner/demodulator components

Branding: Aricent provides customization services to brand the mobile TV client to a specific network operator or device manufacturer

Integration Services: Aricent also provides middleware, which could be used to integrate IP Multimedia Subsystem (IMS) services with the mobile TV client

CORPORATE OFFICES

3460 Hillview Avenue
 Palo Alto, CA 94304-1388
 USA

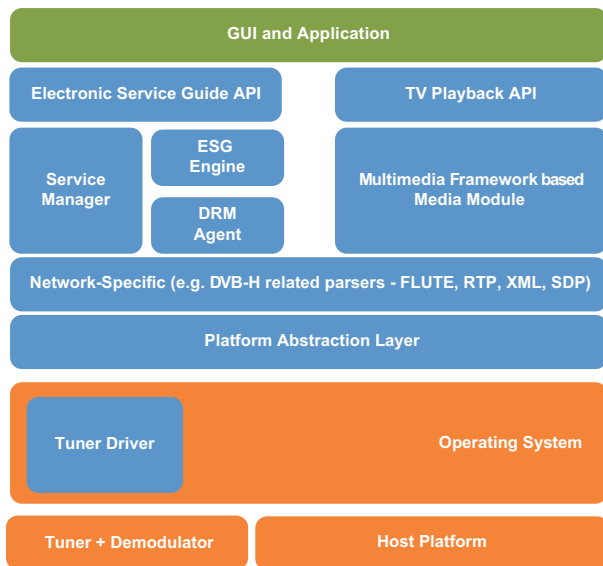
Toll Free +1 888 4COMM SW
 Tel +1 650 391 1088
 Fax +1 650 391 1089

LOCATIONS

China	+86 10 5875 4700
Finland	+358 40 555 3509
France	+33 (0)1 56 60 53 56
Germany	+49 911 25270
India	+91 124 234 6666
Japan	+81 44 221 5360
Korea	+82 2 445 9686
Singapore	+65 6233 6830
South Africa	+27 11 293 0500
Sweden	+46 8 601 4106
Taiwan	+886 2 89771667
Ukraine	+380 432 55 0955
United Kingdom	+44 0 208 622 3859

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ARCHITECTURE



Aricent Mobile TV Architecture

FEATURES

Application Layer

- . A completely customer-configurable XML-based GUI
- . State-of-the-art reference user interface from frog design
- . Standard video and tuner controls
- . Advanced controls, such as Personal Video Recording (PVR) and time shift
- . A rich Configuration Manager for channel information, User Configuration and the Electronic Service Guide (ESG)
- . Full-screen as well as normal mode for convenient viewing
- . Abstracted system interfaces (event and power management)

Multimedia Framework

- . Extensible APIs to provide platform-specific abstraction layer
- . Platform drivers including the OS base, platform drivers, and the SDIO stack
- . IP Stack, RTP, FLUTE, and MSB interfaces
- . Audio & video codecs with A/V synchronization
- . Including H.264/MPEG4/AVC, HE-AAC+, BSAC, MWV, MWA, RealAudio, and RealVideo
- . Support for simultaneous multimedia and data services

Tuner Driver

- . Provides the abstraction layer and defined APIs to enhance porting

Development Tools & Test Software

- . User Interface utility (runs on PC as well as the target platform)
- . Script tools for development and performance analysis
- . Diagnostics (local as well as remote)

DELIVERABLES

- . Source code or binaries for
 - . User Interface (Customizable for branding and language)
 - . Customizable Electronic Service Guide Engine
 - . Digital Rights Management Agent
 - . Multimedia Framework library
 - . Encoder/Decoder (codec) library
 - . Platform Abstraction layer
 - . OS abstractions for Symbian OS, Microsoft Mobile OS, and Linux
 - . Tuner Drivers
- . User manual, API manual and Release Notes
- . Performance and compliance reports
- . Reporting tools for testing software integration with devices
- . Annual maintenance and support service
- . Training and on-site consultancy
- . Turnkey integration and porting services

RELATED PRODUCTS

The HipMedia™ Mobile Application Suite

- . HipCam® a video camera application
- . HipConf™ a video conferencing application
- . HipPix™ a still image application
- . HipStream™ an audio/video streaming Application
- . HipTunes™ an audio player application

For more information visit: <http://www.hssworld.com/endpoints>

Aricent is a global leader in communications software, providing strategic solutions that empower billions of people. By delivering the best and most innovative communications software in the industry, we're helping our clients change the world.

We have an extensive portfolio of services and products covering the full spectrum of communications software—from strategic design to implementation in the field. Our uniquely talented team of designers, consultants and engineers work to solve the most complex, high-impact challenges for our clients—the world's leading equipment manufacturers, device manufacturers and service providers.