Discretix
embedding security solutions

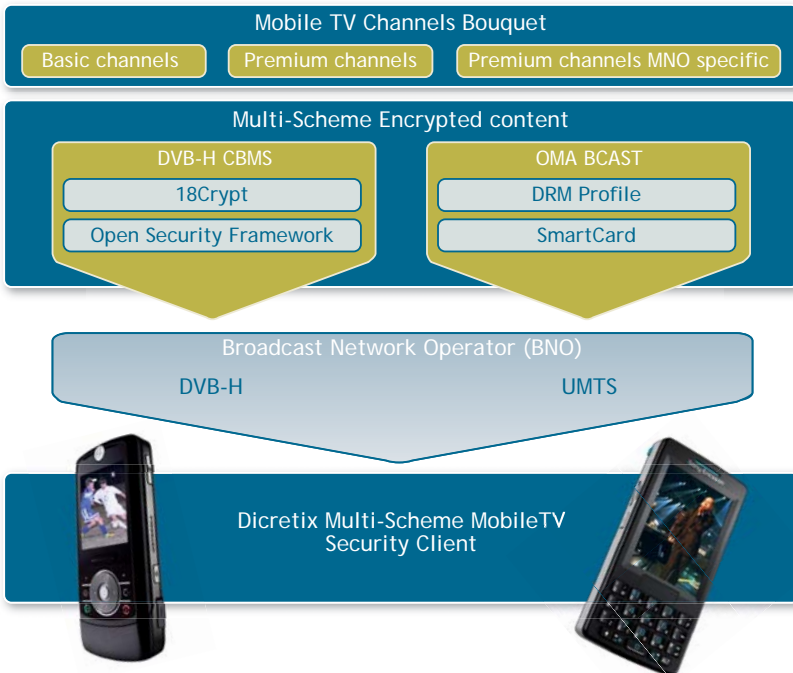# Discretix Multi-Scheme Mobile TV Security Client

Securing the Distribution and Consumption of Mobile TV Broadcasting

The Discretix Multi-Scheme MobileTV Security Client secures the distribution and consumption of mobile TV broadcasts, enabling a broad range of services and business models.

Mobile TV is a young, fast-growing and vibrant market, where interoperability and standards, as defined by bodies such as OMA (BCAST), DVB and Marlin, are evolving daily. In order to take advantage of the growing opportunities, this dynamic landscape needs interoperable solutions with the flexibility to meet new requirements and support new business models.

A Single Solution Supporting Multiple Schemes

The Discretix Multi-Scheme MobileTV Security Client implements mobile TV schemes in use today, associated cases and scenarios. In addition, it provides an easy migration path to add new schemes as they emerge. The Client supports the standard conditional access (CA) schemes defined by OMA BCAST SmartCard profile and DRM profile, DVB-H IPDC 18Crypt and Marlin IPTV.

Mobile TV Channels Bouquet
- Basic channels
- Premium channels
- Premium channels MNO specific

Multi-Scheme Encrypted content

DVB-H CBMS
- 18Crypt
- Open Security Framework

OMA BCAST
- DRM Profile
- SmartCard

Broadcast Network Operator (BNO)
DVB-H   UMTS

Dicretix Multi-Scheme MobileTV Security Client

Multi-Scheme Security Solution for a Multi-Standard Market

Key Benefits

- **Industry compliant** – conforms to operators' requirements, fully interoperable, supports open standards

- **Faster time-to-market** – already integrated with major platforms, operating systems and application frameworks

- **Lower costs** – robust and efficient implementation

- **Reduced risks** – backed by Discretix' leadership position in the embedded security market

Features

- Full support for standard mobile TV schemes: OMA BCAST DRM and SmartCard profiles, DVB-H IPDC 18Crypt, Marlin IPTV, ISMAcryp, SRTP, IPSec

- Content descrambling support for DVB-H IPDC OSF

- Secure storage of related keys, licenses and content

- Trusted usage of related keys and authenticating content processing software

- Trusted execution of program code

- Secured link to UICC and to other Mobile TV elements

Discretix Industry Leadership

Discretix is dedicated to delivering innovative solutions to the complex and ever-changing mobile security market. This specialized expertise allows Discretix to provide chipset and device vendors with a complete security platform that is ready to deploy, easily integrated and future-proof. Licensed by industry leaders worldwide, Discretix' solutions are field proven.
For the past three years, Discretix was ranked by Gartner among the largest vendors of encryption semiconductor IP.

Discretix actively contributes to industry forums and standardization bodies to ensure compliance and certification:

CMLA   4C ENTITY   SD Association   oma Open Mobile Alliance   MULTIMEDIACARD ASSOCIATION   bmcoforum Broadcast_Mobile_Convergence   OMTP OPEN MOBILE TERMINAL PLATFORM

Discretix Multi-Scheme Mobile TV Security Client

Optimal User Experience Coupled with the Highest Level of Security

The Discretix MobileTV Security Client ensures a completely transparent user experience, with no degradation in performance or playback time.

The Client provides the highest possible levels of security and robustness against unauthorized access of protected content, meeting the stringent requirements set by content owners and operators.

Hardware-Based Security Solutions

The Discretix MobileTV Security Client seamlessly integrates with hardware-based security solutions such as Texas Instruments' M-Shield™ and Discretix CryptoCell®. The Client fully utilizes the platform's underlying embedded security capabilities at the operating system level, including cryptographic accelerators, secure execution environment, secure key management, robust secure storage and security framework.

Supports Multiple OS and Platforms

The Discretix MobileTV Security Client is available on a wide variety of hardware platforms, operating systems and application frameworks. Rapid porting to other hardware platforms is accomplished using a thin software glue layer.

Ease of Implementation

The Discretix MobileTV Security Client has a simplified infrastructure and integration framework that utilizes a unified API to the application layer (i.e. ESG browser and multimedia player), regardless of the underlying mobile TV security scheme. In addition, Discretix' Security Middleware delivers the security and cryptographic services needed by mobile TV security services using a single API, irrespective of the platform's hardware capabilities.

Supported Hardware Platforms

- TI OMAP™ & OMAP-VOX™
- Infineon MPEH/MPEU
- Renesas SH-Mobile
- NXP Nexperia
- Marvell PXA

Extensive OS & UI Support

- Symbian V9.x
- Windows Mobile 5.0
- (Magneto), 6.0 (Crossbow)
- Linux 2.x, 1.x
- ENEA OSE
- Mentor Graphics Nucleus
- Infineon APOXI
- NXP RTK
- Qualcomm BREW
- Trolltech Qtopia
- UIQ 3.x
- Sky MobileMedia RAPID

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