



Packet Ship *Keyline* DRM

- Lightweight, secure encryption / Conditional Access
- Studio approved for high-value content
- In-band and out-of-band key distribution
- AES and RSA standard encryption
- Easy to port to client devices

Packet Ship Keyline DRM is a simple but secure encryption system for high-value content, targeted particularly at vertical market Video on Demand applications.

Keyline uses standard, proven encryption algorithms such as AES and RSA to provide ultimate security. It has been certified by studios for delivery of VOD content in the pre-DVD window.

Distribution of keys may be in-band (embedded in the content itself) or out-of-band (distributed by an external system, such as Gridline).

Keyline is designed to make best use of hardware decryption support in target devices such as set-top boxes, which would not be able to support software decryption. Packet Ship work closely with set-top box vendors to port Keyline to their platform.

The Keyline encryption process is designed to work in harmony with the Packet Ship Streamline video server, allowing indexing and trick mode playback of encrypted assets.

Encryption with Keyline is fully integrated into Centreline Asset Management.

Markets

Consumer
Hospitality
Healthcare
Education
Corporate

Technologies

MPEG-2 TS
AES
RSA
X.509

Applications

Video-on-Demand
Pay per View
Conditional Access
DRM

Technical Data

Encryption platform	POSIX command line (e.g. Linux)
Decryption platform	Any supporting C++ library, device specific port
Encryption schema	Content: AES-128/256; Keys: RSA-1024/2048/4096
Content format	MPEG-2 TS with MPEG-2 or H.264 video, any audio

Keyline

