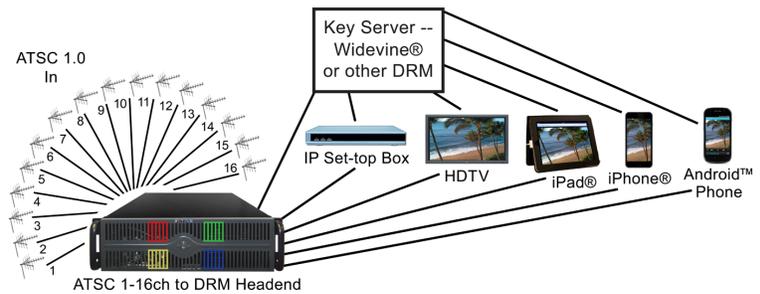# ATSC 1-16ch to DRM Headend™: Hospitality

The DVEO ATSC 1-16ch to DRM Headend: Hospitality is a compact, affordable, reliable, head end unit designed to securely deliver the comprehensive package of content arriving via ATSC over the air and securely convert it to Google "royalty free" Widevine® DRM. This offering makes you a very competitive source of secure content for hotels, schools, hospitals, cruise ships, etc. The unit can accommodate clear cable also. Unit ships with ATLAS™ Lite that supports 300+ HLS users simultaneously.

Features

- IPTV solution for ATSC 1.0: Re-encrypts with IPTV industry standard royalty-free Widevine® DRM

- Output covers the universe of set-top, mobile, or other IP connected devices, including multicast over private network

- Extendable: Add non ATSC 1.0 content such as hotel information, school videos, or IPTV offerings

- Supports IP delivered Widevine® key services from BuyDRM™ and others

- Able to re-encrypt 100+ channels simultaneously

- Ships with ATLAS™ Lite that supports 300+ users simultaneously

- Dedicated Linux® based appliance that is highly secure with no access to OS or Root

- Unit will log and report all efforts to tamper with it

- Auditable logs are available with adjustable duration

- Application resides on a tamper proof SSD

- Some channels can be unencrypted

- Redundant power supplies

- Provides uncompromised level of security at a reasonable price

Overview

DRM differs from CAS in that it is designed for the OTT and IPTV market and offers an ever changing key from a "key server". Unlike CAS which relies on a fixed solution, DRM relies on modified AES 128 with continuous delivery of keys. When coupled to a DVEO DRM headed processor it supports Google "Widevine®".

ATSC 1.0 offers a wide variety of content that needs security for distribution via IP for use in hotel rooms, school dorms, hospitals, apartment buildings, etc.

Traditionally hospitality customers relied on Pro:Idiom™ and other proprietary security platforms to ensure end to end security required by major studios. Recently Google eliminated fees for Widevine®, which happens to be certified by the entertainment industry. This presents a great value proposition to the hospitality industry.

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Applications

- Hotels, schools, cruise ships, cable head ends
- IPTV operators

Target Markets

- Broadband Delivery
- Access Networking
- Cable
- Telcos
- Programmers
- Over the Top (OTT)
- Enterprise
- Video Monitoring

Widevine

Widevine® DRM provides advanced subscriber and content management infrastructure to pay TV operators who are constantly juggling rights or entitlements for subscribers and need a reporting system. It allows OTT and IPTV operators a simple easy to use interface for subscribers and clients and their entitlements. It allows operators an easy to use "Rights Manager" that allows them to restrict content to certain devices. It comes with a sophisticated set of "rules" that are set up at the beginning of their relationship. It also provides "content use reporting" with auditable trails in case issues arise.

Features

- Grants rights to each customer
- Maps entitlements and licenses for the devices the customer is intending to use
- Built into each Google Android™ and Apple browser

Ordering Information

ATSC 1-16ch to DRM Headend: Hospitality

Specifications

8VSB (SMPTE 310M) Inputs

Modulation:	ATSC 1.0 8VSB (SMPTE 310M), 1-16 inputs – terrestrial digital or analog RF
Inputs:	RF from antenna
Frequency range:	54 to 860 MHz
Maximum raw throughput:	200 mbps

IP Outputs

IP	Two each 10 Gigabit with Widevine®

Administration

Access:	Web interface, SSH (Secure command line interface)
SNMP:	Monitoring and alerts
Scheduling:	On, Off support for timeslots

CPU & Operating System

CPU:	One or two Intel® Xeon® 16 Cores
OS:	DVEO embedded Linux® on SSD

Physical & Power

Size – 3 RU high (W x H x D):	19 x 5.25 x 25.2 inches (48.26 x 13.34 x 64 cm)
Power Supply:	3U 760W – Redundant
Temperature Range:	Operating: 0°C ~ +50°C on Full Load Storage & Shipping: -20°C ~ +70°C
Non-operating Humidity:	5% to 95% non-condensing
Weight:	39 lbs. (17.69 kg)
Conformities:	UL, BSMI, CSA, FCC, CE, RoHS

Security

Ports security scanned to MIL requirements prior to shipment