

**Providing HD Digital
Cost Effectively**



AVANTE HD
Digital Addressable System

by **toner**

How Many Subscribers Will You Lose Today?

*Regain Complete Control
of your System with Toner
Cable's Turnkey Solution!*

- *MPEG4 Digital HD Headend*
- *SD-HD Settop Converters*
- *Full Featured Conditional Access*

**Full 270 Channel
SD & HD Headend**

*Specifically Developed for the
Smaller Cable Operator to
Affordably offer their Subscribers
More Channels & Services!*

Provide Your Subscriber Conditional Access,

Single Rack Turnkey Headend

The most cost effective way to “upgrade” or “completely replace” your existing system to HD Digital! With only 11 receivers, two servers and one professional multiplexer, you can provide your subscribers up to 270 digital channels and offer other popular services that are in high demand. The average cable headend system consists of 10-50 racks containing unreliable receivers and other equipment that requires a lot of maintenance. With Toner’s turnkey solution, you reduce racks, equipment, and substantially lower your expenses of upkeep, not to mention the reduction in energy use and cooling costs, a green solution.



- MPEG2 and MPEG4 Compliant Settops
- MPEG4 Content Delivery by Satellite to your Headend
- Full Function Conditional Access
- Only 11 Receivers Needed to Receive 240 Programs
- IPPV Options
- Optional DVR Settops
- Compact Single Rack Solution
- “Green” Headend That Only Draws 740 Watts
- Optional Full Redundancy
- Scalable CA System for Different Size Systems
- Low Cost Settops from Multiple Manufacturers
- Dolby AC4 Audio
- Fully Supports Local Programming
- Two Way Ability via IP Return
- CAS System Supports 32 Different Tiers and A-La-Cart Programming
- Individual, Regional and Global Messaging to Settops

Content Delivery From Avail Media

Avail-TVN’s managed services allows you to move into next-generation video delivery seamlessly, while giving your customers a better television experience. With Avail-TVN’s MPEG-4 solution, not only can you make better use of your existing bandwidth, allowing for growth of services such as HD, but also provide a platform upon which you can build to offer additional Avail-TVN products and services for your customers, while avoiding investment in physical plant upgrades.

SD / HD / MPEG 2 / MPEG 4 Settop Box

Toner Cable’s SD / HD / MPEG2 / MPEG 4 Settop box is the perfect answer to pricey big name brand boxes for significantly less money. Our STB gives you the opportunity to offer your subscribers Conditional Access, VOD, Impulse Pay-Per-View and much more all using the SmartCARD technology.

Affordable Conditional Access System Scalable to Expand with Your Subscriber Base

The Conditional Access System is the addressability part of a Digital headend and uses a server to control subscriber access to programming by scrambling the channels and using Smart Card technology. The CAS System supports from 1,000 to 2,000,000 set-tops deployed in the field. Cable operators have the ability to custom format their system with up to 32 tiers and 240+ television and or audio programs. The server system has up to 5 levels of management access for security. The system has the ability to offer PPV programming based on “prepaid views” or IPPV. Messaging by set-top, region or entire network is available for security and marketing purposes.

Superior Security - Never Been Compromised!

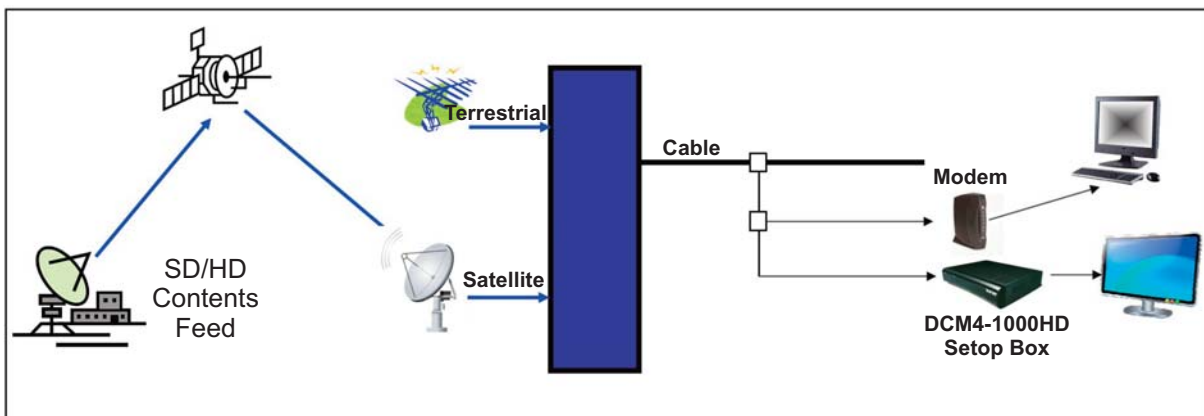
This CAS system uses a unique security feature called Dynamic CAS which means that some part of the execution code in the Smartcard can be downloaded from the headend at the execution time. The algorithms can be configured dynamically at any time making it as safe from piracy as technically possible!

rs with 200+ Channels, VOD, Pay-Per-View

Digital Media Provided by Avail-TVN

The most comprehensive end-to-end solution for licensing, managing, and distributing digital video.

Avail-TVN



TONER

DCM4-HD3000 MPEG 4/2 SD/HD Set Top Box



- Affordable alternative to pricey big name brand boxes
- Conditional Access, VOD, Impulse Pay-Per-View, DVR
- Dolby AC3 Decoding
- Supports Emergency Alert, Closed Caption, Downloadable RRT
- HDMI Output
- Digital Audio Output (SPDIF)

Did you know that offering Pay-Per-View can increase your revenue as much as \$0.50 to \$1.50 per subscriber per month?



***Premium Content at a
Fraction of the Investment***

**Stop Losing
Subscribers to
Dish & DirecTV**

**Give Your Subscribers
the Content They
Want Delivered
Cost Effectively
& Reliably!**



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