

Challenger™ DTTS-7000

Challenger™ DTTS-7000 Digital CATV Transmission System

- DVD quality video with stereo audio!
- Only 1 MHz per program (i.e., 100 programs = 100 MHz)!
- Deliver more channels with affordable investment!
- Increase profits and eliminate signal theft!
- Includes EAS and closed captioning!

The Challenger™ DTTS-7000 allows cable operators to beat the competition from satellite providers!

As low as \$2,500 per program, versus \$6,000 to \$10,000 with other systems.

If you are an independent CATV or Broadband Operator and have desire to operate a profitable CATV system with as few as 2,500 subscribers ensuring unlimited growth rates, this system is for you!

In the space of a single six-foot rack, the Challenger provides up to 98 MPEG2 encoders, 14 DVB compliant multiplexer scramblers, 14 modulators with agile output converters, a subscriber management system, and an enhanced program guide.

The Challenger digital CATV headend system triples bandwidth capacity with a revolutionary signal compression system from Transparent Video Systems. The Challenger can deliver 1 MHz per program bandwidth – for up to 98 programs in under 100 MHz of bandwidth – utilizing existing program sources and equipment. No plant expansions or additional personnel are required to significantly improve CATV bandwidth performance. Compact size will fit in most existing headend systems without additional space or expense.

The Challenger provides an affordable yet extremely powerful end-to-end solution for winning back DBS subscribers with a greater variety of programming, at only a fraction of the cost of conventional headend systems. Increase your profit margin with vastly greater signal efficiency. Improve signal integrity while completely eliminating program theft.

Bolster Revenue AND Security

The Challenger's state of the art Scrambling and Subscriber Management package allows independent CATV and broadband operators to recoup and retain revenue by eliminating ALL program theft. Technicians no longer need to be dispatched to terminate service or audit the system. The Challenger's Subscriber Management system allows these tasks to be performed easily and reliably from the office.

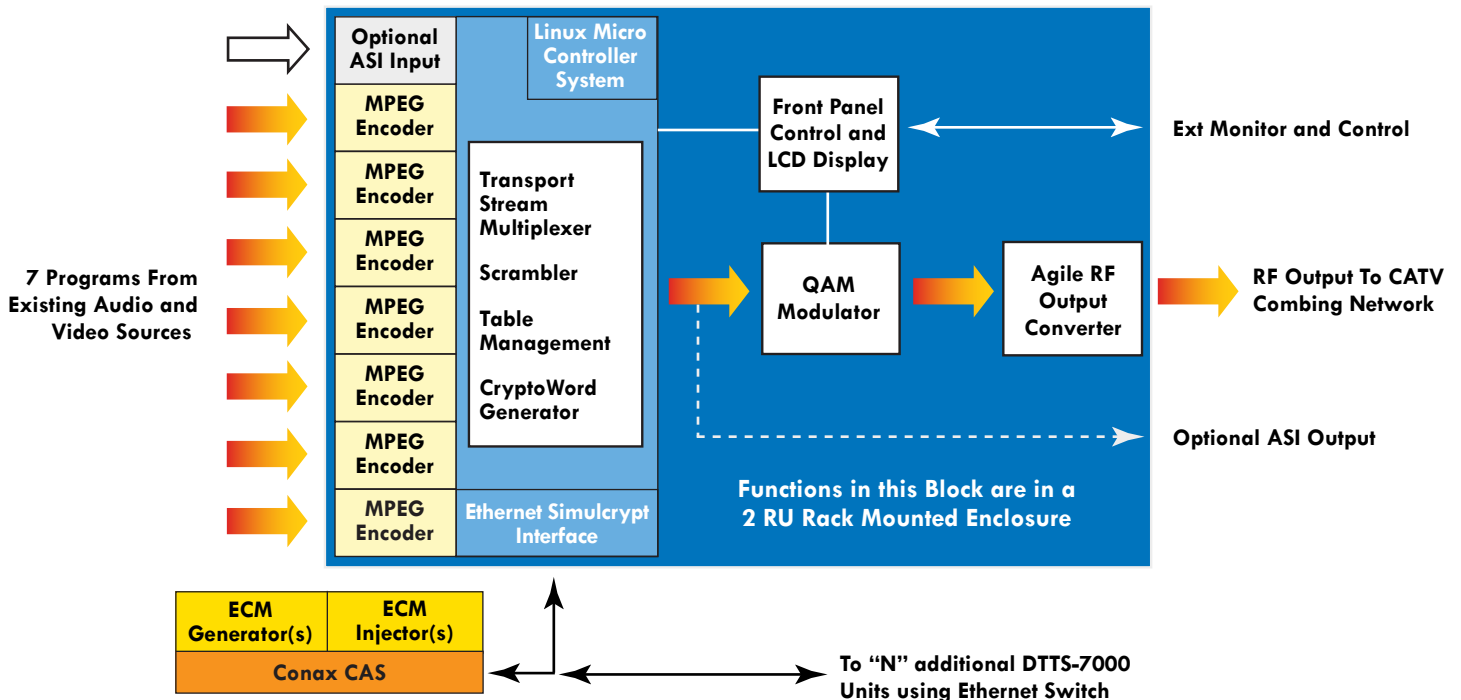
The Challenger's Electronic Program Guide feature allows customers to scan listings onscreen for the programs and channels they want to watch. The guide also offers a unique marketing venue to further enhance revenues.

Win Back DBS Subscribers

The Challenger requires only 500 watts of power to deliver up to 98 programs of stereo video. The package features low power application specific encoders, programmable logic devices, low power multi-chip modules and fewer components than conventional headends. The system requires far less maintenance than conventional headends, and makes use of existing program sources, such as satellite receivers, Off Air, and ad insertion equipment. All program sources are numbered sequentially and handled like conventional analog modulators.



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The Challenger, Conditional Access and Subscriber Management systems are configured, racked and tested by Transparent Video technicians before shipping. At the CATV plant, analog program sources are looped through from the Challenger DTTS-7000 to the analog modulators. Set-top boxes are deployed for onsite testing, then delivered to customers.

MORE PROGRAMS, LESS BANDWIDTH

- 1 MHz per program bandwidth
- Dedicate saved bandwidth to new services
- Smooth and seamless transition for analog to digital
- Only 500 watts of power
- Fully digital system requires only 26dB S/N into the set-top box
- Reduce programming costs
- Win back customers and eliminate churn
- Works with multiple CAS and STB vendors
- Fully compliant with worldwide DVB standards

Subscriber Set-Top Boxes End to End Solution

Less than \$80 per unit from multiple partners. High quality, feature-rich set-top box solutions are available from Transparent Video featuring secure DVB scrambling and smart cards, offering a dynamic range of over 40db and delivering either standard or high-definition signals. Conforms with recognized international standards. Multiple licensed manufacturers. Designed for easy installation by subscribers.