

Antex Satellite/Internet Solutions

Satellite/Internet Media Delivery

Customized Audio, Video, and Data Distribution/Playback Systems

Until recently, satellite-based audio, video, and data distribution and playback has been too complex and costly for enterprises to host in house. However, recent advances in audio/video/data compression technology, bandwidth-efficient modulation techniques, interoperability standards, the availability of low-cost, high-speed Internet connections, and cost-effective hardware solutions mean that enterprises can now host their own satellite or Internet-based distribution/playback network—at a significantly reduced cost.

Antex Solutions

Whether it's audio, video, data or all three types of information, Antex provides everything you need for customized in-house or outsourced media delivery/playback solutions. All our solutions include broadcast and playback hardware, media management software, and a customized system design tailored to meet your specific broadcast requirements.

- **Satellite Systems**—based on the broadcast model, these custom system/receiver solutions offer advanced features such as multiple zones, multi-channel playback, day parting, and targeted advertisement insertion.
- **Media Director Internet Systems**—leveraging your existing IP infrastructure, these solutions deliver customized content to each receiver in the system. The media is stored on each receiver, and downloaded only during off-peak times. This approach guarantees media availability for playback and no interruption to daily business systems operations. Bi-directional communication provides proof of performance and status information.
- **Media Director Hybrid Systems**—combining the best of satellite and Internet systems, our hybrid system reduces total

bandwidth requirements. High-bandwidth media, such as 3-5 Mbit/second video, is delivered via satellite. Customized content, such as playlists, advertisements, and local promotions, can be delivered via the Internet and stored locally.

Return on Investment

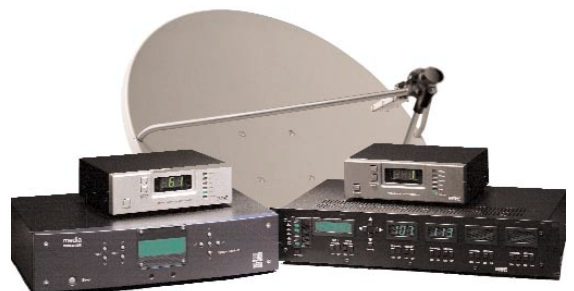
Installing a custom distribution/playback solution offers the lowest total cost of ownership and a fast return on investment compared to outsourcing or using third party suppliers. Because our Internet systems reach beyond satellite footprint limitations, there's no need for multiple satellite links and their associated costs.

Ease of Implementation

From system design to feature customization, from installation and integration to partnerships with media providers, Antex provides it all. Tell us what you want and we make it happen.

Control Over Content

Antex' field-proven, end-to-end systems offer you complete control over your privately broadcasted content with the ability to implement national, regional, and local promotions on an as-needed basis.



Antex Satellite and Internet Media Receivers

Satellite System Capabilities

- Satellite distribution of media assets to an unlimited number of receivers
- Single or multiple audio, video, or data playback zones per receiver
- Uplink control of individual receivers for on/off times, day parting, advertisement insertions (national, regional, and local), etc.
- Receiver support for advanced compression formats
 - Audio: AC3, AAC, WMA, MP3
 - Video: MPEG-2, MPEG-4, WMV
- MCPC or SCPC with DVB or custom transport format
- QPSK or 8PSK modulation format
- Standard and custom encoders and uplink multiplexers

Internet System Capabilities

- Internet distribution of media assets to an unlimited number of store-and-forward playback devices
- Single or dual audio and/or video playback zones per each Media Director receiver
- Individually programmable units to allow customized daily and hourly programming
- Off-peak Internet-based media transmission to eliminate bandwidth competition with day-to-day business systems operations
- Local media storage to minimize peak bandwidth needs for high quality content
- Client/server architecture to provide worldwide control over assets and distribution from any Internet-connected PC (using Media Director network management software)
- Remote monitoring to minimize field maintenance
- Eliminates manual duplication and distribution of physical media (videotapes, DVDs, CDs, etc.)

Hybrid System Capabilities

All of the above, plus

- Guaranteed content delivery
- Further reduced bandwidth requirements
- Return communication channel for proof of performance and status monitoring
- Local insertions over a broadcast feed

The Antex Advantage

Full Turnkey Solutions

From system design and uplink hardware to satellite and Internet playback receivers, Antex will work with you to define and implement custom feature sets and custom receiver capabilities. Antex' solutions are designed to meet your specific requirements for secure media distribution and playback.

Market Leadership

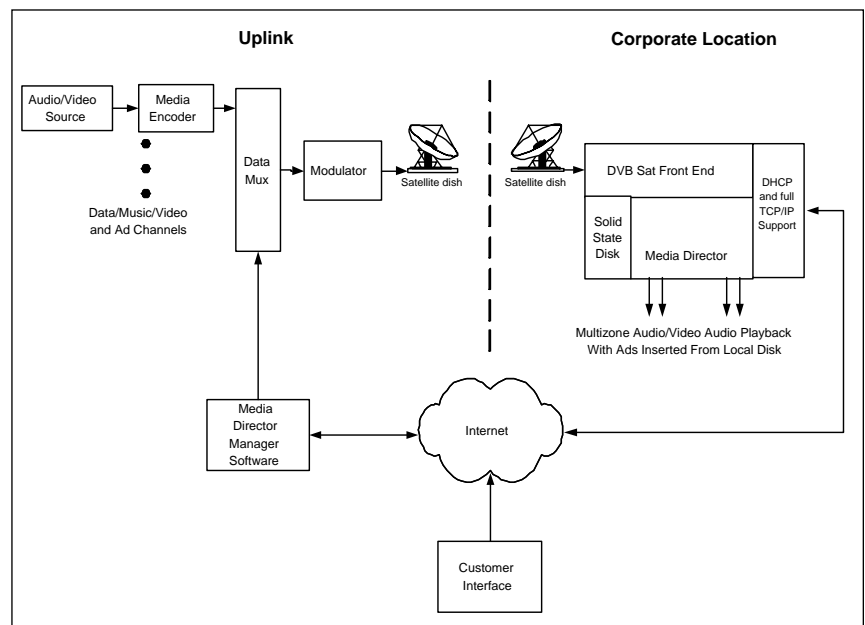
Antex is a technology-driven company with over 15 years experience providing satellite receivers, intelligent digital business appliances, and digital audio adapters. Antex products are recognized worldwide for their reliability and functionality. Industry leaders such as Intergraph, Pinnacle Systems, NCR, DMX-Music, Bloomberg, and Microsoft have all embraced Antex' technology solutions.

Field Proven Solutions

Founded in 1983, Antex has built a solid reputation for providing sophisticated hardware and software solutions for the broadcast, communications and entertainment industries. Providing high-end digital solutions to AM/FM broadcasters, Internet streamers, and broadband satellite systems, Antex is a recognized industry name worldwide.

Antex is the world leader in radio broadcast automation. More than 150,000 Antex DSP-based audio/ video adapters are hard at work in workstations and digital audio applications around the globe.

Antex has implemented high-performance digital audio and data systems to private and commercial networks worldwide. In the field today, we currently have over 50,000 custom multi-channel, multi-zone satellite receivers and over 10,000 Media Directors.



Sample Antex Media Director Hybrid System Design

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