


FEATURES

- IP Video Encoder/ Decoder
- Integrated IP Traffic Control Manager
- On-board LAN Ports
- Advanced Physical and IP Data Security
- Satellite Modulator/ Demodulator
- Integrated SCAN™ Satellite Bandwidth Manager

LinkDV is a complete end-to-end satellite solution for digital video applications. The **LinkDV** solution is based on the **LinkXX** core platform. The **LinkXX** platform employs a building block architecture that allows each network node to be adapted for specific applications such as data, video, and voice by adding hardware and software plug-in modules. This plug-in architecture provides a high degree of flexibility and scalability that makes the **LinkIP** easy to upgrade and virtually future-proof. LinkSat's revolutionary Scanned Channel Assigned Networking (SCAN) is a patented bandwidth manager resident in the **LinkXX** that allows bandwidth on-demand with no intervention from a central site or network management system.

APPLICATIONS
VIDEO CONTRIBUTION

Video backhaul from remote sites to central studio for television network affiliates and SNG vehicles, news feeds, live sporting events, etc. SCAN bandwidth manager allows sharing of bandwidth pool among multiple remotes using fully automated carrier set-up and tear-down

VIDEO DISTRIBUTION

Video broadcast from central location to multiple remote sites for cable operators, video-over-DSL service providers, etc. Advanced compression systems and advanced modulation / FEC techniques allows transmission of as many as 100 broadcast quality SD video channels over a single satellite transponder

VIDEO SURVEILLANCE

Security cameras and sensors at a remote facility can be monitored on a real time basis from a central site. Cameras can be activated by motion or other means so that a satellite carrier is automatically activated and video / data is transmitted to a central facility upon a triggering event

HARDWARE PLUG-IN MODULES

- Video Capture Cards
- Digital Video Encoders
 - Standards Based - H.264, VC-1
 - Proprietary Advanced Encoders
- Satellite Modulators
- Satellite Demodulators
- DVB-IP Encapsulators
- Integrated Receiver-Decoders
- SCAN Satellite Bandwidth Manager

SOFTWARE PLUG-IN MODULES

- Software Video Decoders
- Software Video Transcoders
- IP Traffic Control
 - OSPF, BGP, RIP, RIP V2 Routers
 - Multicast (IGMP)
 - Quality of Service (QoS)
 - Differentiated Services (DiffServ)
- Automated Network Management
- Secure Channelized Crypto Engine

