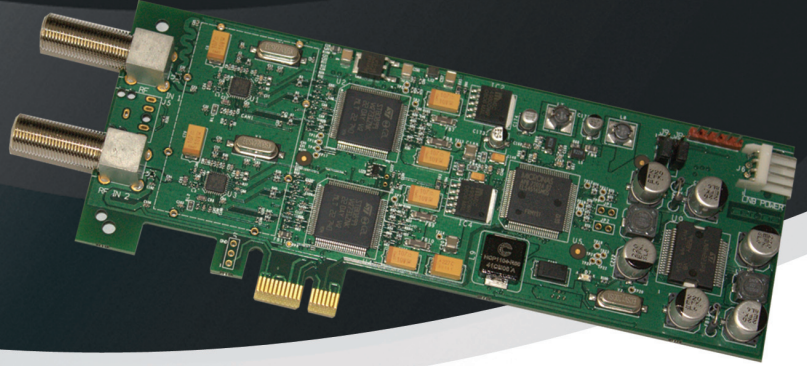


# XpressVu™ Dual Tuner PCI Express DVB-S/S2 Card

## The ultimate in flexible DVB-S2 solutions



### Overview

The XpressVu Dual Tuner PCIe card is the latest in innovative solutions from Cerona Networks. The XpressVu can receive and decode DVB Linear video or DVB IP broadcasts and deliver those streams via a high-speed Ethernet connection. PCI-Express is a radically new implementation of the PCI computer bus that uses existing PCI programming concepts and communications standards, but is based on a much faster serial communications system. The result is superior performance with twice the capability and reliability.

The XpressVu PCIe Card enables operators to deliver high-value content using their existing bandwidth and infrastructure. Whether “turbo charging” an existing VSAT network or eliminating Internet bottlenecks, the XpressVu is ideally suited to applications such as:

**Streaming audio & video**

**Retail Kiosks**

**Distance Learning**

**Web caching**

**Digital Signage**

**High-speed  
internet delivery**

**Content Distribution**

**Corporate LAN/WAN  
interconnection**

**IP Multicasting**

**IPTV**

The XpressVu is a single PCIe card with two integrated tuners each capable of up to 80 Mbps of data as either independent links from one or two separate satellites. Use one tuner in DVB-S and the other in DVB-S2; or in a combination of multiple transponders and modes. The XpressVu PCIe Card is the ultimate in flexibility for any satellite network.

The XpressVu is based on Cerona’s DVB-S2 broadband router module architecture, which offers up to 80Mbps in a fully routed implementation, and is backward compatible with existing DVB-S networks. The XpressVu delivers tremendous cost savings during network upgrades to DVB-S2.

### Web Manageable

One of the hallmarks of Cerona’s products is the ease in which network administrators can manage and configure the systems. SNMP manageable, the XpressVu also provides a Web Daemon for easy Internet Web browser-based network management.

### Product Highlights:

- Easy installation in existing server networks
- Forward and backward compatible DVB-S and DVB-S2
- Seamless and transparent network migration
- Linux or Windows compatible
- High speed digital content delivery
- IP Multicasting
- Linear satellite feeds

### Markets Served:

- Content Distribution
- IPTV
- Digital Signage
- Mobile TV
- Corporate Networks
- Digital Content Distribution

## Technical Specifications

### DVB Features:

- Compliant with DVB and Multiprotocol standards EN301 192 and ETS 300 468
- Supports 64 simultaneous Packet Identifiers (PIDs)
- Multicast and Unicast support

### Satellite Features:

- Symbol Rate: 2 to 45Msps DVB-S
- Symbol Rate: 2 to 30Msps DVB-S2
- LNB Power: +14VDC or +18VDC or No Output (up to 500 mA)
- L-band: 950MHz to 2150MHz
- DVB FEC: (Auto Spectral Detection)
- Modulation: QPSK/8PSK

### Standard Interfaces:

- 10/100BaseT Ethernet port, RJ45
- RS-232 console terminal port, RJ12
- Satellite L-band input terminal - provides power to LNB (F-type connector)

### Code Rates:

- DVB-S – 1/2, 2/3, 3/4, 5/6, 7/8 - QPSK
- DVB-S2 – 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 - QPSK
- DVB-S2 – 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 - 8PSK

### Management:

- HTTP Web Manageable
- FTP Upgradeable
- SNMP Management
- DiSeqC 2.X Compliant
- Telnet

### Drivers:

- Windows 2003, XP
- Linux

### Environmental:

- Reduction of Hazardous Substances (RoHS) compliant (Directive 2002/96/EC)
- 0 – 40° C ambient temperature and 90% non-condensing

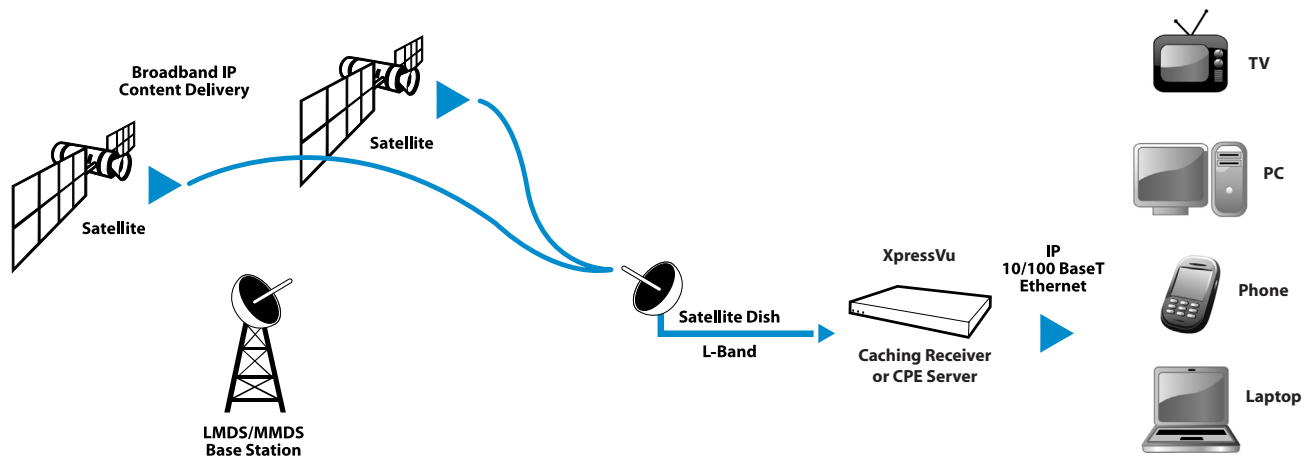
### Power:

- PCIe compliant
- 1.8 amps at 12V, LNB power
- 20 watts from host power supply

### Safety:

- Complies with
- UL 60950-1
- EN55022, EN55024, EN60950-1
- FCC Class A

## XpressVu



### Cerona Networks, Inc.

5235 Westview Drive, Suite 103, Frederick, MD 21703

Web: [www.cerona.com](http://www.cerona.com) Email: [sales@cerona.com](mailto:sales@cerona.com) Phone: 240.215.4731 Fax: 301.620.1889