



## VBox XLV a TV Gateway DTV Receiver DVB-S2/T2/C (MPEG2&4) & over-IP Streamer

### Highlights

**2/4 Tuners**

**2/4 Transponders**

**Support 2 CAM**

**Cost-effective DVB-S/T2/C TV Gateway**

**MPEG 2&4 over IP Streamer**

**Stream live channels over IP from 4 transponders.**

**Datacasting (IP over DVB) capabilities**

**Transport Stream de-multiplexing, de-scrambling, and PID filtering**

**MPEG 2&4 -over-IP streaming**

**Multicast and Unicast UDP streaming**

**UPnP ~ DNLA 1.5 Server**

**IGMP Server**

**SNMP**  
(For remote control & monitoring)

**Easy integration into existing networks**

**User-friendly HTML Control Interface**

**Support SAP**  
(Service Announcement Protocol)

**Rack mount: 19" - 11/2 U**

The XLV devices integrate Capabilities of reception DTV (MPEG 2/4) & Data Casting (IP over DVB) and streaming over IP

#### **Reception DTV (MPEG 2/4) and streaming over IP**

The XLV- combines reception of satellite DTV broadcasts and streaming over IP. It is a perfect solution for streaming SD&HD/TV broadcasts over IP networks for a whole gamut of purposes, including: Enterprise TV, Business TV, Digital signage, entertainment and e-learning,

#### **Data Casting (IP over DVB) Capabilities**

The XLV-4 devices allow you to receive IP Data over DVB and transmit through your network IP as data packets, unrelated to the video and audio transmissions being received and transmitted simultaneously. This feature enhances the usefulness of the XLV-4 devices for inter- and intra-organizational network communications.

#### **Plug & Play Network Setup**

With an advanced suite of integrated applications, the XLV-4 is easily integrated into various network configurations. DHCP, DNS, and WINS automate the administration of the local area network, while NAT makes gateway access transparent. Use the SNMP-based network management feature to optimize your LAN.

#### **Web Interface**

An easy-to-use HTML interface makes the setup and management of the XLV-4 device intuitive and straightforward. Access the interface from any Web browser on the network to complete network management tasks, configure the satellite connection, and monitor network traffic. Online Help is provided for every screen. No LINUX knowledge or experience is required to utilize the commands and features of the XLV-4 software.

#### **Firewall Protection**

Use the incorporated network address translation (NAT) and packet filtering features to add firewall protection to your network. The XLV-S devices handle complex firewall configurations for all unicast traffic to and from your LAN to secure your network against unwanted traffic and dangerous attacks.

#### **Conditional Access Systems**

These options allow you to receive data and DTV broadcasts encrypted at creation. The system requires the use of a smart-card in which a unique profile is embedded to ensure that only authorized users can access the data.

**VBox Communications Ltd** is a provider of customer-premises receiver solutions for digital TV and data broadcasting networks. VBox products provide digital TV reception capabilities such as handling of encrypted content for Pay TV services and delivery of high-quality video, audio, and data services. VBox provides Routers and Gateways for the reception of data and high-quality digital contents from digital broadcast infrastructures and their distribution over LAN.



## Specifications

RF Tuner X 2 or 4  
 External connector: F type, female  
 Receiving frequency: 950 MHz to 2150 MHz  
 Input signal level:  
 -25 dBm to -65 dBm nominal  
 RF input impedance: 75Ω

### 2 X LNB Power and Switching

Supply Voltage Selectable: 13V or 18V

Max LNB Current: 400 mA  
 Antenna Control: 22 kHz signal  
 DiSeqC: 1.0, 1.1, 1.2 supported

### DVB - S

Symbol Rates: 1.5 - 45 Msps  
 (1 - 45 Msps optional)  
 Transport Stream processing:  
 Up to 40Mbps  
 Reed-Solomon Outer Code (204,188)T=8

### DVB-S2

Transmission format support:  
 LDPC/BCH (DVB-S2)  
 8PSK: SR = 10-30 MSps  
 QPSK: SR = 10-30 MSps  
 Roll Off: 0.2, 0.25, 0.35.  
 Pilot On/Off  
 Spectral Not inverted / Inverted

### DVB-S2 FEC

LDPC/BCH QPSK 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10  
 LDPC/BCH 8PSK 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10

### DVB-T/T2

Supports all DVB-T2 modes, including  
 1.7, 5, 6, 7, 8MHz signal bandwidths  
 Frequency range: 177 - 858MHz

### DVB-C

Complies with NorDig-Unified Ver2.2.1  
 Wide symbol range, 1.8 to 7.2Msym/s  
 Frequency range: 113 - 858MHz

### Data Handling and De-multiplexing

Multi-Protocol Encapsulation (MPE)  
 Datagram and section packing  
 Unicast/multicast filtering  
 Multicast address filters :128  
 PID Filters:  
 UDP/TCP/IP protocols  
 PSI/TCP private tables  
 LLC SNAP/null encapsulation

### Streaming Output Formats

**Standard:** Transport Stream (TS)  
 32 programs in TS/UDP/IP  
 Announcement using SAP

### Optional:

HTTP streaming  
 UPnP ~ DNLA 1.5 server  
 Elementary Stream -ES  
 Packetized Elementary Stream-PES  
 Program Stream -PS  
 Subtitle

### LAN Interface

Connector: 1x RJ-45  
 Speed: 10/100/1000 Auto-Sensing

### LED Indicators

Power On  
 LAN Led

### Physical/Environmental Data

Size (L x H x W):365x65.3x251mm  
 Rack Mount 19" - 1 1/2 U  
 Operating Temperature: 0 -40°C  
 (32 - 104°F)  
 Storage Temp: -10 - 85°C  
 (14 - 185°F)  
 Operating Humidity: 10% - 90%

### Power Supply

12v DC adaptor  
 Power input: 100-240 VAC  
 Power frequency: 50-60 Hz  
 Power Consumption: 60 W  
 (typical)

### Regulatory Compliance

CE, FCC- Part 15 Class B

Reception	Name	Data (IP over DVB)	Video (DVB to IP)	program	Tuner 1	T2	T3	T4	CAM
4*DVB-S -S2	XLV 3330	Y	Y	Up to 32	S2	S	S2	S2	Y
2 DVBS & 2 T/C	XLV 3340	Y	Y	Up to 32	S2	S	T/C	T/C	Y
4*DVB-S -S2	XLV Express 3330	Y	Y	Up to 8	S2	S	S2	S2	Y
2 DVBS & 2 T/C	XLV Express 3340	Y	Y	Up to 8	S2	S	T/C	T/C	Y
2 DVB-T/T2	XLV Express 3342	Y	Y	Up to 8	T/T2	T/T2	-	-	Y
2 DVB-C	XLV Express 3352	Y	Y	Up to 8	C	C	-	-	Y

\* CAM supported only in Tuner 3&4

MPEG2&4  
 Over DVB-S\S2 /T/C

