

# FLAMINGO XL

## Modular IPTV Head-End

The Anevia Flamingo XL is a high density IPTV head-end that captures live TV & radio content before streaming it over IP-based networks to set-top boxes, PCs, and other devices. Flamingo XL can deliver hundreds of streams using only one box.

Flamingo XL is based upon a modular hardware design that allows it to be scaled up to meet business growth. A range of cards are available for satellite, cable, digital terrestrial and analog inputs allowing it to be the most flexible product on the market. CAM cards are also available to accommodate a wide range of third-party CAS/DRM systems. Additional options include a mosaic menu generator, rescambling, and web radio broadcasting.

### Features and Benefits

- Modular design for flexible system expansion
- High density – Up to 80 tuners in 4 RU
- Hot plug and play
- Mix between DVB S, S2, T, C and analog inputs
- CAM modules for streaming encrypted channels
- Easy configuration and management



# Acquire and Stream Live TV over IP

### Applications

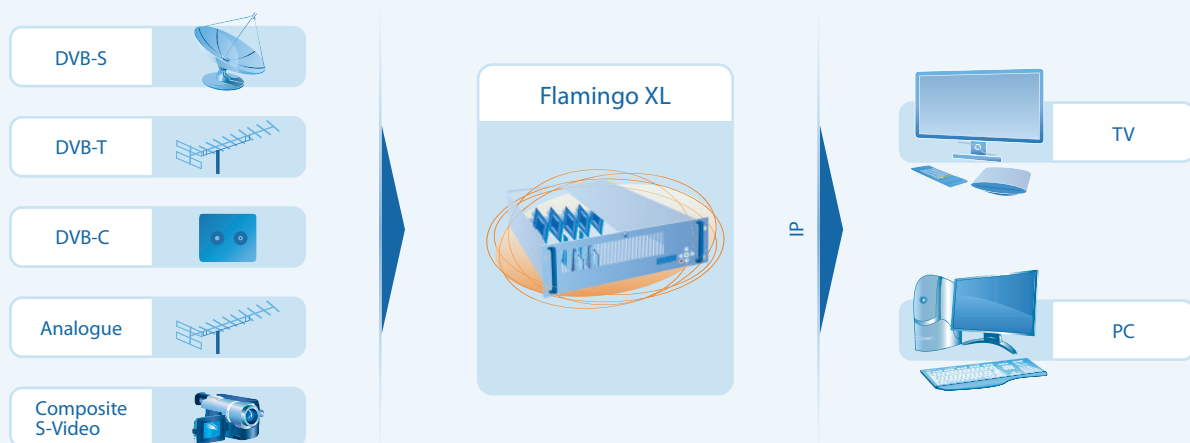
- Live digital TV streaming (Digital Turn-Around)
- Analog source encoding
- Full TV channel list coverage
- Event retransmission over IP network

### AVAILABLE OPTIONS\*

Web radio, Web TV, rescambling, HD audio, SNMP

*\* Contact us for more information*

## FUNCTIONAL ARCHITECTURE



## General Specifications

### HARDWARE

- 40 slots for modules (up to 80 DVB tuners)
- 5 x 1000 Base-T (1 Management, 2 inputs, 2 outputs)
- 1 USB port

### VIDEO & AUDIO FORMATS

- Codecs: MPEG-2, MPEG-4 (H.264), MP3, AAC, AC3
- Transport: MPEG-TS

### IP OUTPUT

- Protocol: TS over UDP / TS over RTP
- Multicast or Unicast
- Files in XMLTV format export for EIT
- IPv4 & IPv6 compliant

### ADMINISTRATION & MONITORING

- Web interface
- SSH (secure command line interface)
- SOAP API for external control and monitoring
- LCD panel: IP configuration
- SNMP (optional)

### PHYSICAL & POWER

- 19" rack mountable, 4RU
- Closing door for securing the front modules
- HxWxD: 180 x 480 x 670mm
- Weight: 26 kg
- Voltage: 100V-240V AC, 50/60 Hz, (2 x power)
- Operating temperature: 0°C to 50°C.
- Storage temperature: -10 to 60°C
- Humidity: 5-95%
- Power consumption: 350W Max

### COMPLIANCE & SAFETY

- Electromagnetic compatibility: CE compliance



## Module Specifications

### DVB-S/S2 DUAL INPUT CARD

- 2 x tuners
- L-Band inputs (75 ohms)
- Symbol rate range: 5 to 45 MSym/s for S and S2
- Frequency range: 950 MHz to 2150 MHz
- LNB control (LNB power feed V, I, LNB 22kHz, freq tolerance, amplitude)



### DVB-C/T DUAL INPUT CARD

- 2 x tuners
- Frequency range: UHF and VHF, automatic scan
- Frequency allocation on LCD interface
- Frequency range: 48 to 855 MHz



### DVB-C

- Modulation: QAM 16, 32, 64, 128 or 256
- Symbol rate: 0.87 to 8.7 Ms/s

### DVB-CI CARD

- DVB-CI slots for descrambling through CAM modules
- Standard: EN 50221
- Certified CAM suppliers: Aston, SmarDTV, SMIT



### ANALOG INPUT CARD

Available in Q2 2012.  
Contact us for more information.

## Options

### WEB TV

- Streaming a remote channel unavailable from usual DVB sources
- Input: HLS content from Anevia ViaMotion Origin
- Output: TS over UDP / TS over RTP
- Dynamic HLS source request for bandwidth saving

### WEB RADIO

Input: MMS or HTTP  
Output encapsulation: MPEG Transport Stream  
Output audio codec: MPEG Layer 2 @ 192 kbps