

PRODUCT BRIEF



FLAMINGO

DELIGHT YOUR PATIENTS, GUESTS OR CUSTOMERS ON EVERY SCREEN

Provide high quality, live and on-demand multiscreen TV services over any network with Anevia's Flamingo multiscreen TV head-end.

Our software-based TV head-end securely delivers TV and radio content captured from digital satellite, cable, terrestrial, HDMI, IP or web sources, to set-top boxes, connected TVs, PCs, tablets or smartphones over an IP-based, coaxial or wireless network.

In addition to live TV, Flamingo offers a wide range of services, including pause and time-shifted TV, replay and catch-up, nPVR, and VoD.

Flamingo is an all-in-one, modular TV gateway that satisfies content owner security requirements with integrated DRM content protection – reducing hassle and costs.

anevia 
YOUR NEXT GENERATION TV, NOW



FEATURES & BENEFITS

Live and on-demand services

Advanced services such as pause & time-shifted TV, replay & catch-up TV, Video on Demand (VoD) and network Personalized Video Recorder (nPVR) enable patients, guests or customers to regain control of their viewing schedule.

Multiscreen

Flamingo supports DASH, HLS and Smooth Streaming to mobile devices, anywhere with wireless coverage, increasing user experience.

Virtual channels

Streaming of specific content, such as adverts or promotional information. Flamingo manages such content as an internal TV channel while content is stored on-board rather than played from a separated media player.

Web TV

Integrated with third-party TV channel providers, Flamingo offers a WebTV option that enables you to offer a large choice of TV channels from all over the world, received through Internet (OTT) and with cleared licence rights.

Secured Premium Content

Flamingo descrambles channels using CAM or Verimatrix and rescrambles using LG Pro:Idiom, Samsung Lynk DRM, Philips VSecure, Arris SecureMedia and Verimatrix.

Anevia Cloud Services

Anevia Cloud Services allow you to manage all your deployments. They feature channel line-up and sizing tools, offline staging, monitoring and custom reports.

Appliance or software

Flamingo is available as software and can run directly on supported servers or on a virtual machine. Flamingo is also available in two modular appliances and can provide up to 88 tuners, allowing hotels to customise their TV channel configuration.



FEATURES AND SPECIFICATIONS

Inputs

- DVB, ISDB and HDMI
- IP: SPTS/MPTS, unicast/multicast TS/UDP
- Web TV (OTT): HLS
- Web radio: .m3u8, .asx, .pls
- File: TS

Outputs

- IP: SPTS/MPTS, unicast/multicast, TS/UDP or TS/RTP
- OTT: MPEG-DASH, HLS, Smooth Streaming
- DVB-C: QAM modulation
- DVB-T: OFDM modulation

Video / Audio

- Video codecs: MPEG-2, MPEG-4 (H.264), HEVC (H.265)
- Audio codecs: MPEG-1 layer 2, MP3, AAC, AC3

Content protection

- CAM multiservice and multi-tuner descrambling
- Verimatrix IPTV bulk descrambling
- LG Pro:Idiom, Samsung Lynk DRM, Philips VSecure, Verimatrix and Arris SecureMedia rescrambling



FLAMINGO APPLIANCE - CHASSIS

Flamingo D4 chassis

- 4 slots for modules (up to 32 tuners)
- 1 extra slot for low-profile modules
- 7 slots for SATA HDD to reach up to 7 TB of storage
- 2x10GbE ports (mgmt + in/out)
- Dual PSU, 100-240V, 50-60Hz
- 2 RU, 19" rack mountable
- Electronic compatibility: CE compliance

Flamingo D11 chassis

- 11 slots for modules (up to 88 tuners)
- 8 slots for SATA HDD to reach up to 8 TB of storage
- 2x10GbE ports (mgmt + in/out)
- Dual PSU, 100-240V, 50-60Hz
- 4 RU, 19" rack mountable
- Electronic compatibility: CE compliance

Recording and On-Demand Streaming

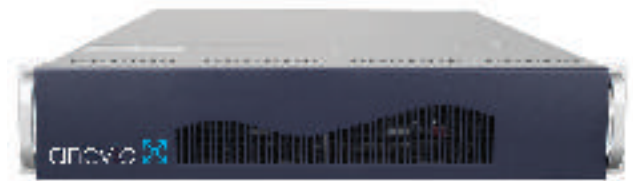
- Circular buffer recording for time-shifted & pause TV
- Scheduled recording for replay and nPVR
- On-demand streaming using RTSP or HTTP (progressive download)
- Delayed channels through circular buffer recording (unicast/multicast)
- Virtual channels of video files or playlists (unicast/multicast)
- Software RAID storage

Processing

- Multiplexing (demux/remux), MPEG CBR MPTS video multiplexer
- Advanced PID/ES filtering and remapping
- Fast channel scan with NIT (for coaxial delivery)
- Audio leveling and transcoding (optional)
- EPG Export: EIT to XML TV

Administration and Monitoring

- Administration through web interface and SSH
- Integration with 3rd party: REST APIs, SNMP
- Fully integrated with Anevia Cloud Services





FLAMINGO APPLIANCE - MODULES



QUAD MULTI STANDARD MODULE

4x tuner DVB-C/T/T2/S/S2 ISDB-T

Satellite:

- 4x L-band input (F connectors, 75 ohms)
- DiSEqC 1.1 for each tuner
- Modulation: QPSK (DVB-S/S2), 8PSK (DVB-S2)

DVB-C/T/T2 ISDB-T:

- 1x IEC connector (Input)
- Frequency range: 51 to 858 MHz
- All modulation & code rates according to DVB-C, DVB-T and DVB-T2 specifications
- Bandwidth channel for ISDB-T: 6,7,8 MHz



QUAD DVB-S/S2 MODULE

4x DVB-S/S2 tuners

- 4x L-band input (F connectors, 75 ohms)
- DiSEqC 1.1 for each tuner
- Modulation: QPSK (DVB-S/S2), 8PSK (DVB-S2)
- Symbol rate: 1 to 45 MSym/s



DUAL DVB-S/S2 + DUAL DVB-CI MODULE

2x DVB-S/S2 tuners

- 2x L-band input (F connectors, 75 ohms)
- DiSEqC 1.1 for each tuner
- Modulation: QPSK (DVB-S/S2), 8PSK (DVB-S2)
- MIS support (Multi Input Streams)
- Symbol rate: 1 to 45 MSym/s
- 2x DVB-CI slots to accommodate 2 CAM cards
- Standard: EN50221



DVB-C OUTPUT MODULE

QAM modulators for over coax delivery

- 4-, 8- or 16- carriers
- 1 x VHF/UHF output (F connector, 75 ohms)
- Frequency range: 113-856 MHz
- Modulation: QAM 16, 32, 64, 128, 256
- Symbol rate: 6.9 Msym/s
- DVB-C J.83 Annex A Low profile module



OCTO DVB-S/S2 MODULE

8x DVB-S/S2 tuners

- 4x L-band input (F connectors, 75 ohms)
- DiSEqC 1.1 for each module (1 module per satellite)
- Modulation: QPSK (DVB-S/S2), 8PSK (DVB-S2)
- Symbol rate: 1 to 45 MSym/s



OCTO DVB-C/T/T2/ISDB-T MODULE

8x DVB-T/T2 or 8x DVB-C or 8x ISDB-T tuners

- 1x VHF/UHF input (F connector, 75 ohms)
- Frequency range: 51 to 858 MHz
- All modulation & code rates according to DVB-C, DVB-T and DVB-T2 specifications
- Bandwidth channel for ISDB-T: 6 MHz
- DVB-C J.83 Annex A - QAM 64, 128, 256



DUAL DVB-C/T/T2 MODULE

2 x DVB-T/T2 tuners or 2 x DVB-C tuners

- 1 x VHF/UHF input (F connector, 75 ohms)
- 1 x VHF/UHF output (F connector, 75 ohms)
- Frequency range: 51 to 858 MHz
- Bandwidth: 5 (DVB-T only), 6, 7 and 8 MHz
- DVB-C J.83 Annex A - QAM 64,128 or 256



DUAL DVB-CI MODULE

2x DVB-CI slots to accommodate 2 CAM cards

- Standard: EN50221
- Multi-CI per tuner / Multi-tuner per CI



DVB-T OUTPUT MODULE

OFDM modulators for coax/terrestrial delivery

- 4 or 16 carriers
- 1 x VHF/UHF output (F connector, 75 ohms)
- Frequency range: 50-950 MHz
- Channel bandwidth: 6,7,8 MHz
- Modulation: QPSK, 16QAM, 64QAM
- Coding Rate: 1/2, 2/3, 3/4, 5/6, 7/8
- Low profile module



DUAL HDMI MODULE

- 2x HDMI encoder
- 2x HDMI inputs
- Input resolution: up to 1080p60
- Output codec: video H.264, audio MPEG-2 L2
- Output resolution: same as input
- Output bitrate: 4 to 24 Mbps



QUAD HDMI MODULE

- 4x HDMI encoder
- 4x HDMI inputs
- Input resolution: up to 1080p60
- Output codec: video H.264, audio MPEG-2 L2
- Output resolution: same as input
- Output bitrate: 2 to 30 Mbps



MULTISCREEN TRANSCODING MODULE

- Transcoding module for wireless video delivery
- Adaptive bitrate protocols: MPEG-DASH, HLS, Smooth Streaming
- Up to 6 HD channels @ 25 fps per module
- Up to 12 SD channels @ 25 fps per module
- Up to 500 concurrent users per chassis



QUAD GBE LAN MODULE

- 4x 1000BASE-T
- RJ-45 connectors
- Low profile module



DUAL 10 GBE LAN MODULE

- 2x 10 Gigabit
- * SFP+ connectors



HARD DRIVE 1TB

- For non-linear services
- SATA LFF drive
- RAID Accelerated



FLAMINGO OEM - CHASSIS

Flamingo T3 chassis

- MOQ 500 pcs
- Fixed configurations with up to 3 modules
- 1 GbE port
- Dual PSU, 100-240V, 50-60Hz
- HxWxD(mm): 360x180x411
- Electronic compatibility: CE compliance

