



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

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 rescrumbling

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: SOAP APIs, SNMP
- Fully integrated with Anevia Cloud Services



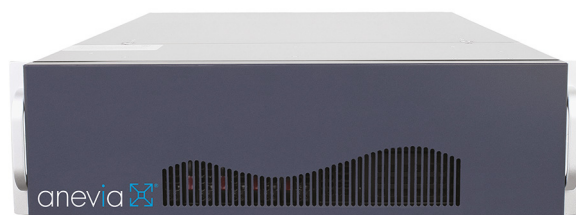
FLAMINGO APPLIANCE - CHASSIS

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
- 2 GbE 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)
- 7 slots for SATA HDD to reach up to 7 TB of storage
- 2 GbE ports (mgmt + in/out)
- Dual PSU, 100-240V, 50-60Hz
- 3 RU, 19" rack mountable
- Electronic compatibility: CE compliance



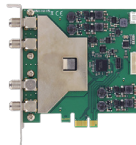


FLAMINGO APPLIANCE - MODULES

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



QUAD DVB-S/S2 MODULE

4x DVB-S/S2 tuners

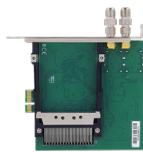
- 4x L-band input (F connectors, 75 ohms)
- DiSEqC 1.1 for each tuner
- Modulation: QPSK (DVB-S/S2), 8PSK (DVB-S2)
- Symbol rate: 1 to 45 MSym/s



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)
- Symbol rate: 1 to 45 MSym/s
- 2x DVB-CI slots to accommodate 2 CAM cards
- Standard: EN50221
- Multi-CI per tuner / Multi-tuner per CI



DUAL DVB-CI MODULE

2x DVB-CI slots to accommodate 2 CAM cards

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



QUAD GBE LAN MODULE

4x 1000BASE-T

- RJ-45 connectors
- Low profile module



HARD DRIVE 1TB

For non-linear services

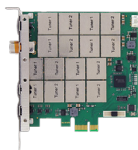
- SATA LFF drive
- RAID Accelerated



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 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



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



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

