

FLAMINGO 660 series

Stream Live TV Content over IP

The Flamingo 660 IPTV gateways convert live TV & radio content to IP before streaming it over IP-based networks to set-top boxes or PCs for broadcasting or for archiving. The gateways allow hospitality service providers to deliver a mix of satellite, terrestrial, cable and analogue channels using only one box.

The range consists of five gateways each combining several products in one to meet different service provider needs, including a receiver, a descrambler (6 CAM slots), a demuxer and an IP streamer. Each gateway also comes with an admin-friendly web interface for easy management.



Key Features

A COMPLETE RANGE OF IPTV GATEWAYS

- Flamingo 660S, 660T and 660C: receive and stream a mix of 6 digital TV multiplexes or satellite transponders over IP, with up to 50 channels per unit
- Flamingo 660E: analogue IP encoder for 6 TV channels; stream analogue output from traditional antennas or cameras alongside digital output
- Flamingo 660H (Hybrid): any mix between S, T, C and E inputs to provide flexibility in head-end design

BENEFITS

- 6 CAM slots for streaming of encrypted channels
- Low cost per channel
- Cutting-edge broadcast features
- Off-the-shelf ecosystem integration: CAS/CAM, set-top boxes, encoders, network devices
- Optional embedded rescaler to ensure 'secured in – secured out' TV transmission

VALUE-ADDED SERVICE OPTIONS

- Mix satellite, terrestrial, cable or analogue channels in one box
- Auto scan for DTT channels
- Easy configuration and management
- XMLTV export for EIT information

Applications

- Live digital or analogue TV streaming
- Full TV channel list coverage
- Complements existing head-ends for channel encoding
- Event retransmission over IP network

Options

Web radio

Transcode and stream any web radio as a standard multicast MPEG-TS.

Mosaic generator

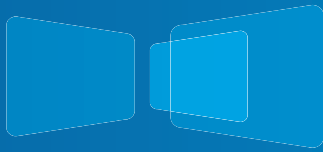
Generate a new video channel including standard channels.

Rescrambling

Scrambling the output streams. Requires a key server*.

HD audio transcoding*

*Contact us for more information



Product specifications

VIDEO & AUDIO FORMATS

- Managed codecs: MPEG-2, MPEG-4 (H264), MP3, AAC, AC3...
- Video & audio encapsulation: MPEG Transport Stream
- 2 x 1000 Base T (1 Management port and 1 Streaming port)

IP OUTPUT

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

CONDITIONAL ACCESS

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

DVB INPUTS

- Support for SPTS/MPTS
- Support for variable bitrate & constant bitrate
- Integrated DVB demodulators - up to 6 inputs
- PSI/SI generation, processing and insertion

DVB-S & DVB-S2 Input

- L-Band inputs (75 ohms)
- Symbol rate range: 5 to 45 MSym/s for S and 5 to 30 MSym/s for S2
- Frequency range: 950 MHz to 2150 MHz
- LNB control (LNB power feed V, I, LNB 22kHz, freq tolerance, amplitude)

DVB-T Input

- Frequency range: UHF and VHF, automatic scan
- Frequency allocation on LCD interface

DVB-C Input

- Frequency range: 48 to 855 MHz
- Modulation: QAM 16, 32, 64, 128 or 256
- Symbol rate: 0.87 to 8.7 Ms/s

ANALOGUE INPUTS

- Video encoding: MPEG-2

Video Composite

- RCA-jack (female) connectors, PAL/SECAM/NTSC

Video S-VHS Signal (Y/C)

- SVHS-jack (female) connectors, PAL/SECAM/NTSC

Audio/Video RF Tuner

- IEC-jack (female) connectors, PAL/SECAM L L' B/G D/K I
- Input frequency: 48.25 to 855.25 MHz (UHF/VHF)
- Input impedance: 75 Ohms

Audio Input

- Stereo mini jack 3.5 mm connectors

ADMINISTRATION & MONITORING

- Web interface
- SSH (secure command line interface)
- SOAP API for external control and monitoring
- LCD panel: IP configuration and monitoring, DVB Status, CAM Status
- RS-232 console

MOSAIC GENERATOR

- Up to 16 simultaneous channels on one page
- Pre-defined templates for mosaic rendering
- Resolution up to 720x576 @ 8 fps or 25 fps
- Configurable audio and video PIDS

WEB RADIO

- Input: MMS or HTTP
- Output encapsulation: MPEG Transport Stream
- Output audio codec: MPEG-2 @ 192 kbps
- No streaming in case of source Web Radio failure

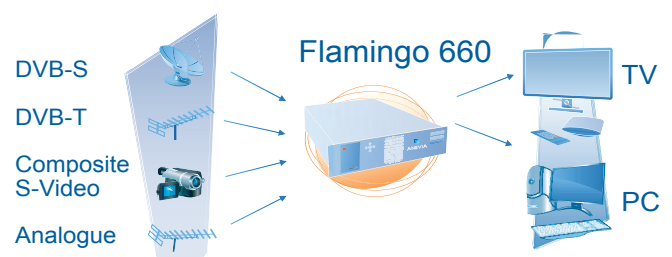
PHYSICAL & POWER

- 19" rack mountable, 4RU
- HxWxD: 175 x 480 x 580 mm
- Weight: 26 kg
- Voltage: 100V-240V AC, 50/60 Hz
- Operating temperature: 0°C to 50°C.
- Storage temperature: -10 to 60°C
- Humidity: 5-95%
- Power consumption: 170 W

COMPLIANCE & SAFETY

- Electromagnetic compatibility: CE compliance

ARCHITECTURE



For more information, visit: www.anevia.com

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