NetworkTV Live

The NetworkTV Live Packages provide low cost complete solutions for those clients that only want to deliver live streams. These packages include NetworkTV hardware and software with options for different types of DVB, DTMB and ATSC tuners.

The NetworkTV Live Gateway is a chassis holding up to 32 tuners running the NetworkTV Live management software. You can mix and match different types of NetworkTV tuner cards in the same chassis to access DVB-T/T2, DVB-S/S2, DVB-C, DTMB and ATSC transmissions. There are also options for tuner cards with Common Interfaces to combine with Conditional Access Modules (CAMs) for receiving scrambled TV channels. If you need more tuners, just add another chassis with tuner cards to your system configuration. The NetworkTV Live DVB Gateway is a 1U short depth rack Appliance so that it will fit neatly into an AV style rack and therefore suitable for most types of installations. However, it will also install just as well in a full IT rack in a data comms room.
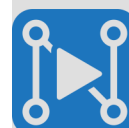
The NetworkTV Live Gateway will be delivered pre-configured and include the NetworkTV Live management software which provides the capability to manage tuners, encoders, streams and set top boxes. The system enables all of the multicast or unicast channels whether they are TV broadcasts, encoded feeds or IP streams to be delivered to the end point receivers, PC or mobile users.

For those that only want to manage live streams from encoders, IP cameras or third party TV head-ends, then we have a package that comprises a small form factor (SFF) NetworkTV Live server (based on an Intel NUC) running the NetworkTV Live software. As well as providing the management of live streams it also includes the capability control set top box receivers.

NetworkTV is a complete IPTV solution that helps your enterprise manage, control and stream live and pre-recorded digital video content.

NetworkTV presents a simple-to-use admin portal in a web browser that allows management of functionality as well as controlling IPTV hardware devices across your intranet including encoders, tuners, streamers and set-top-boxes. The system also provides an integral library function to help you organise recordings and pre-recorded content which can be offered to your users as inhouse channels or VoD.

If your organization has existing content, it can be uploaded into the centralised NetworkTV Library with the facility to add metadata, poster frames and tagging that will ensure searching for videos is a simple task for your users.

tv, video and av on your network

NetworkTV Live DVB Gateway - NTVLG

Specification:

NetworkTV Live DVB Gateway		
	Processor(s)	AMD® Embedded G-Series SoC (Quad Core, 2GHz)
	Memory	RAM: 4GB DDR3 1333
	Graphics	Integrated AMD Radeon™ HD
	APU	AMD® Embedded G-Series SoC
	Network Controller	Ethernet: 2 x LAN Gbit / 100 Mbit / 10 Mbit
	Storage	1 x SATA 6.0 Gb/s, 30GB mSATA SSD
	LPC	1 x LPC support TPM module; 2 x COM HEADER
	Protocol	HTTP, UDP, RTP, TCP
	PCI-Express Slots	4x PCI-E 2.0 (internal)
	USB	2 x USB 2.0 ports, 2 x USB 3.0 ports
	SATA Port	1
	Display Interfaces	1 x HDMI; 1 x VGA
	Power Supply	12V 4A
	Form Factor	1U
	Size	1U chassis (430mm x 320mm x 46mm)
	Warranty	Server Warranty includes 1-Year Parts
	Operating System	Linux Ubuntu 18.04
	DVB tuner support	DVB-S2/S: up to 32 tuners; DVB-T2/T: up to 32 tuners
		DVB-C: up to 32 tuners; DVB with CI: up to 8 tuners

The NetworkTV Live DVB Gateway can be used as a standalone system to deliver just live channels or as a 'slave' tuner chassis in a full NetworkTV Video Content Management System. The NetworkTV Live server is based on an Intel NUC i3 with 4Gb Ram and 128GB SSD.

NetworkTV Live is an expandable and scalable system employed to create an enterprise-wide solution that can manage large numbers of various types of live streams and users. NetworkTV Live Gateways with terrestrial, satellite and cable tuners as well as encoders and Internet streams is one of the most cost effective TV headends on the market with the benefit of providing the capability of being expanded to include HLS, recording, archiving and Video-on-Demand.

NetworkTV Live DVB-T, T2 & C TUNERS

NetworkTV Live DVB-T2/T Octo Tuner   **Part Number: NTVDVBTO8**

This is a DVB-T2/C2/T/C/ISDB-T TV octo tuner card and can be used to capture muxes from eight different frequencies simultaneously and supports both DVB-T2 and DVB-C2 standards at the same time with full HDTV support. The NTVDVBTO8 is considered as a professional TV tuner for industrial-level users.

Specifications:

DVB-T2 and T2-Lite
- Receiving channel: VHF band, UHF band
- Bandwidth: 1.7, 5, 6, 7, 8MHz
- FEC:QPSK, 16QAM, 64QAM,256QAM
- FFT mode: 1K, 2K, 4K, 8K, 16K, 32K
- Code rate: 1/2, 2/3, 3/4, 5/6, 7/8

DVB-C2/C
- COFDM demodulator
- (16_QAM to 4096_QAM)
- FEC(LDPC/BCH) decoder
- Bandwidth: 6MHz, 7MHz, 8MHz
- QAM demodulator
- FEC decoder
- 1 to 7.2MSymbol/s

ISDB-T
- COFDM demodulator and FEC decoding
- Support 3 layers decoding
- TMCC decoding
- Support differential demodulation
- AC1 and AC2 decoding

NetworkTV Live DVB-T2/T/C Quad Tuner   **Part Number: NTVDVBTQ4**

The DVB-T2/T/C TV quad tuner card used to capture free-to-air digital terrestrial TV channels from four frequencies simultaneously.

Specifications:

DVB-T2 and T2-Lite
- Receiving channel: VHF band and UHF band
- Channel bandwidth: 6, 7, 8 MHz
- DVB-T2/ T modulation type: QPSK, 16QAM, 64QAM, 256QAM
- FFT mode: 1K, 2K, 4K, 8K, 16K, 32K
- Code rate: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8
- Guard internal: 1/4, 1/8, 1/16, 1/32, 1/64, 1/128, 19/128, 19/256
- Intermediate frequency
- IF mode: low IF
- Center IF Frequency: 3 ~ 5 MHz
Note: default 4MHz
- RF-Input impedance 75Ω (IEC-DIN female)
- RF-Output impedance 75Ω (IEC-DIN male)

DVB-C2/C
- Fully compliant with DVB-C and ITU J83 A/B/C specifications
- Receiving Frequency: 47~862 MHz Tuning Range
- Input level: -65~-10dBm
- 16QAM, 32QAM, 64QAM, 128QAM and 256QAM Support
- Symbol Rate: 0.87 to 9Mbaud

NetworkTV Live DVB-T2/T/C Dual CI Tuner   **Part Number: NTVDVBTCI**

This is a dual CI tuner card is a twin tuner card for capturing two different frequencies simultaneously and supports the reception of both FTA (free to air) TV channels and encrypted TV channels.

Specifications:

DVB-T2/T2 Lite/T
- Receiving channel: VHF band and UHF band
- Channel bandwidth: 6, 7, 8 MHz
- DVB-T2/ T modulation type: QPSK, 16QAM, 64QAM, 256QAM
- FFT mode: 1K, 2K, 4K, 8K, 16K, 32K
- Code rate: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 7/8
- Guard internal: 1/4, 1/8, 1/16, 1/32, 1/64, 1/128, 19/128, 19/256
- Intermediate frequency
- IF mode: low IF
- Center IF Frequency: 3 ~ 5 MHz
- Note: default 4MHz
- RF-Input impedance 75Ω (IEC-DIN female)
- RF-Output impedance 75Ω (IEC-DIN male)

DVB-C2/C
- Fully compliant with DVB-C and ITU J83 A/B/C specifications
- Receiving Frequency: 47~862 MHz Tuning Range
- Input level: -65~-10dBm
- 16QAM, 32QAM, 64QAM, 128QAM and 256QAM Support
- Symbol Rate: 0.87 to 9Mbaud

NetworkTV Live DVB-S, S2, ATSC & DTMB TUNERS

NetworkTV Live DVB-S Octo Tuner   **Part Number: NTVDVBSO8**

This tuner is a powerful DVB-S2 octo tuner card and is capable of receiving SD/HD digital TV channels from 8 different satellite transponders simultaneously, which is considered as a professional TV tuner for industrial-level users.

Specifications:
- Frequency range: 950~2150 MHz
- Signal Level: -85~-10dB
- Symbol rate: 1~45Msps
- Demodulation: DVB-S QPSK, DVB-S2 8PSK

- FEC: DVB-S2: PSK: 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- DVB-S: QPSK: 1/2, 2/3, 3/4, 5/6, 7/8
- DiSEqC support: 1.0, 1.2, 2.x

NetworkTV Live DVB-S Quad Tuner   **Part Number: NTVDVBSQ4**

This tuner is a digital satellite TV tuner card with four tuners for receiving Free to Air (FTA) satellite TV. The four advanced DVB-S2/S tuners enable you to capture muxes from four satellite transponders.

Specifications:
- Frequency range: 950~2150 MHz
- Signal Level: -69~-23dBm
- Symbol rate: 1~45Msps
- Demodulation:
- DVB-S, QPSK,
- DVB-S2, QPSK, 8PSK, 16APSK, 32APSK

- FEC: DVB-S2
  QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
  8PSK: 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
  16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
  32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
- DVB-S—   QPSK: 1/2, 2/3, 3/4, 5/6, 7/8
- DiSEqC support: 1.0, 1.2, 2.x

NetworkTV Live DVB-S Dual CI Tuner   **Part Number: NTVDVBSCI**

This is a DVB-S2/S dual tuner with two Common Interfaces. The two integrated CI slots, means that by inserting the correct CAM and subscription smartcards makes it possible to watch encrypted pay TV.

Specifications:
- Frequency range: 950~2150 MHz
- Signal Level: -69~-23dBm
- Symbol rate: 1~45Msps
- Demodulation:
- DVB-S, QPSK,
- DVB-S2, QPSK, 8PSK, 16APSK, 32APSK
- DiSEqC support: 1.0, 1.2, 2.x

- FEC: DVB-S2
  QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
  8PSK: 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
  16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
  32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
- DVB-S
  QPSK: 1/2, 2/3, 3/4, 5/6, 7/8

NetworkTV Live ATSC Quad Tuner   **Part Number: NTVATSCQ4**

This is an ATSC quad tuner card for receiving ATSC, 8VSB and Clear QAM cable TV channels. This quad tuner card allows you to capture up to 4 over-the-air (OTA) digital terrestrial/ Clear QAM muxes containing HD TV channels at the same time, which is ideal to include in an enterprise IPTV streaming solution.

Specifications:
- 8VSB demodulation, compliant with America ATSC, built-in forward error correction function
- 256/64 QAM demodulation, compliant with Open Cable specifications
- ATSC / Digital Cable (QAM) Input: 75 Ohm
- Channel bandwidth: 6, 7, 8 MHz
- Tuning range: 44MHz ~ 1002MHz

NetworkTV Live DTMB Quad Tuner   **Part Number: NTVDTMBQ4**

This is a DTMB quad tuner card for receiving DTMB TV channels. This tuner card allows you to capture up to 4 over-the-air (OTA) digital terrestrial muxes containing HD TV channels at the same time, which is ideal to include in an enterprise IPTV streaming solution.

Specifications:
- Frequency range: 42~1002MHz

- Signal Level: -80~-20dBm
- 5~8MHz transmission band supported