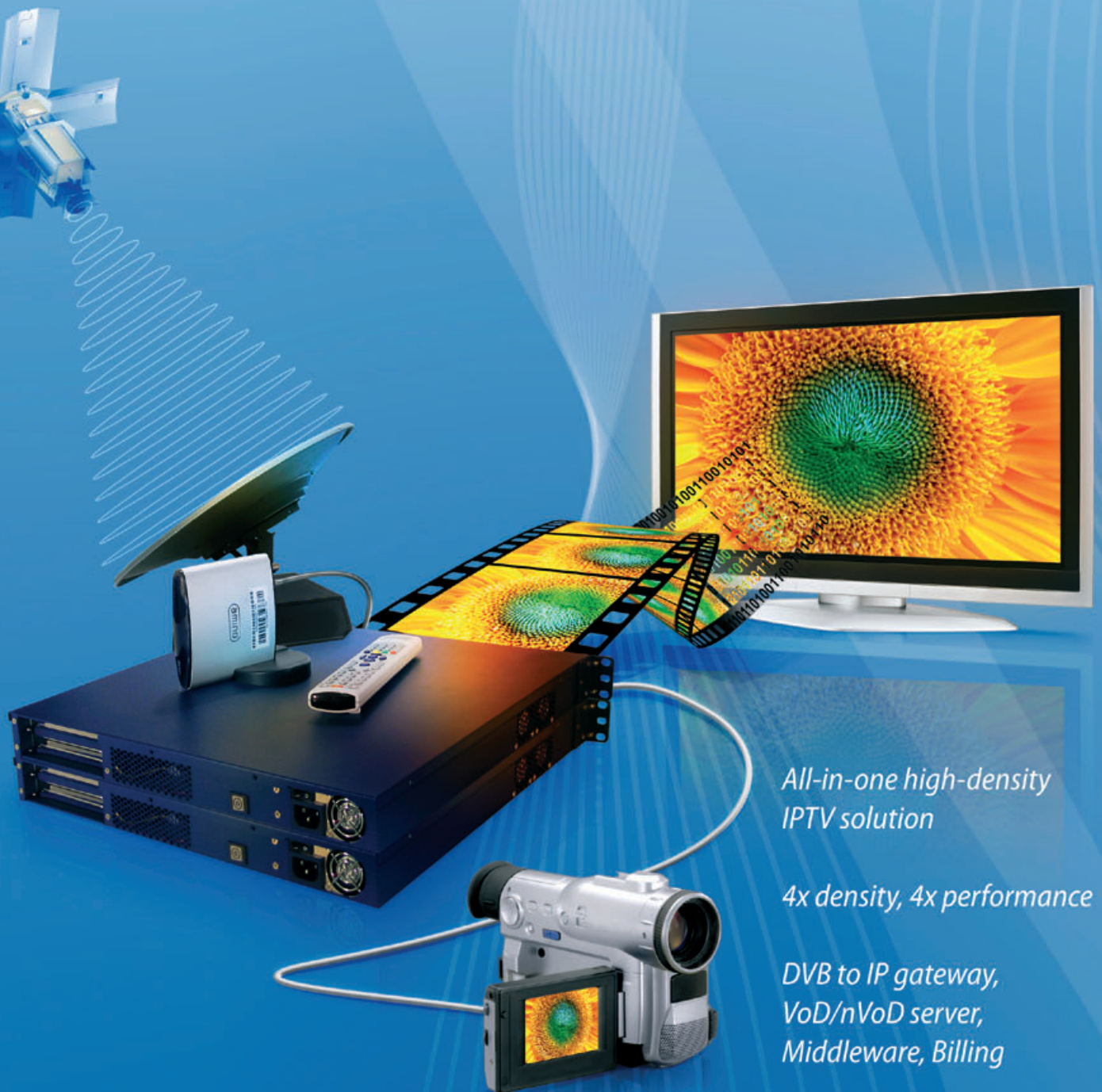


# NetUP IPTV Combine 4x



*All-in-one high-density  
IPTV solution*

*4x density, 4x performance*

*DVB to IP gateway,  
VoD/nVoD server,  
Middleware, Billing*

 **NetUP**

[www.netup.tv](http://www.netup.tv)

# NetUP IPTV Combine 4x



All for  
**IPTV** in  
one box!

## Supported Services

- DVB to IP gateway (4 DVB-S/S2 inputs, 4 CI slots);
- Video on Demand/ near Video on Demand server (VoD/nVoD);
- Middleware, interactive user's interface;
- Electronic Program Guide (EPG);
- IP set-top boxes' firmware upgrade server; DHCP, DNS, IGMP querier, IP router.

The NetUP IPTV Combine 4x is an all-in-one solution designed to provide IPTV and VOD in small deployments of up to 1000 users, such as for the hospitality industry. The device includes Middleware able to handle up to 1000 IP set-top boxes, DVB to IP gateway with 4 DVB-S/S2 inputs and 4 CI slots, VOD server for 50 concurrent streams with 1 TB of HDD space for video content storage, and IPTV Billing system, all already installed and integrated. The solution allows to deploy IPTV promptly and at minimal costs. IPTV Combine perfectly suits hotels, business centres, educational institutions, hospitals, yachts, housing estates, etc.

## Key Advantages

**All systems integrated.** There is no need to lose time and money on the integration because all systems are developed by one company and are initially compatible with each other.

**High density.** One device allows receiving and decoding 4 satellite transponders, over 50 TV channels. The compactness allows to reduce shipping costs and to save space on installation. The latter is especially valuable when deploying IPTV in confined environments, e.g. on yachts.

**Fast User's Interface.** The user's interface, a part of the Middleware system, is an extremely fast native application running on IP set-top boxes. In contrast to JavaScript/ HTML clients used by most vendors, NetUP uses native application approach for the Middleware system. This allows to achieve maximum performance of the user's interface. No more pauses or delays when browsing the menus on your TV, all is working as fast as possible.

**Support of various IP set-top boxes.** Different IP set-top box models can be used within the same network. Set-top boxes based on Broadcom, Sigma Designs, STM, TI Davinci, and Power PC hardware platforms are supported. Successfully used IP set-top box models include Amino's AmiNET 110, 125, 130, Telergy's T501, D-Link's DIB 120, Hansun's HS6000, Teletec's MAG200 and many others.

**Customizable themes.** The user's interface themes are fully customizable. Multiple interface languages are supported.



IP STB AmiNET 130

IP STB AmiNET 110



NetUP's IPTV Combine 4x - rear view

# Technical Specification

## Physical & Power

- standard rack-mount case for 19" telecom rack;
- height: 1U;
- dimensions (WHD): 430 x 44 x 411 mm;
- weight: 6 kg;
- power supply: 90 ~ 264 Volts, 47 ~ 63 Hz.

## Control & Administration

- front panel LCD for initial configuration and system summary information;
- administration Web interface;
- administration Java interface;
- ssh console, Linux 2.6.x OS;
- RS-232 console.

## Disk Drives

- flash card for reliable storage of OS and configuration files;
- 1 TB HDD for multimedia content and database (corresponds to over 400 full-length movies in MPEG-2 4 Mb/s).

## Performance

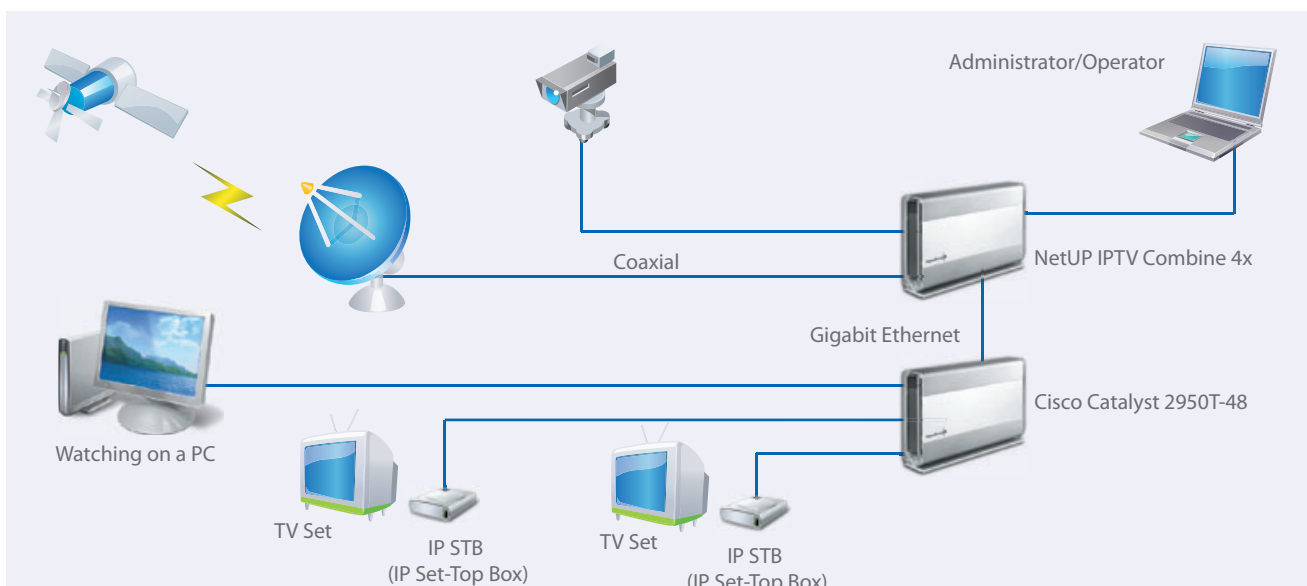
- over 50 simultaneous VoD streams (4 Mb/s per stream). Total bandwidth - 200 Mb/s;
- satellite TV channels can be received from 4 different transponders at total bandwidth of 240 Mb/s.

## Inputs/Outputs

- 6 x Gigabit Ethernet 10/100/1000 Mb/s;
- 4 x DVB-S/S2, 4 x CI slots. NetUP Dual DVB-S2-CI professional cards are used;
- optional: 2 x DVB-C, DVB-T;
- optional: 2 x analog to MPEG-2 audio/video encoder, RCA, SD;
- optional: 2 x ASI IN/OUT.

## Media Content Format

- video formats: MPEG-2, H.264 (MPEG-4 AVC) transport stream;
- recommended bit rate: 4 Mb/s and more;
- definition: SD, HD (720x576 or higher).



*IPTV Combine 4x connection to the IP network*

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