ELTEX
Complete solutions for network building

– **Realtek RTD1195C chipset**
– **ARM architecture**
– **2D/3D acceleration, OpenGL support**
– **Android 4.4**
– **Peer-to-peer**
– **Application store**
– **Support of widely used middleware**
– **Android API,SDK**
– **Java Script API, SDK**
– **H.265 support**
– **4Kp30 decoding**
– **Wi-Fi 802.11a/b/g/n/ac[1]**
– **Access point mode**

The Eltex NV IPTV set-top box on Android provides services on a new level. It is a perfect tool for promotion of IPTV services and acquisition of new customers.

Android Platform

Android serves as a single universal platform to provide access to services and functions with a familiar interface such as AndroidTV.

Creation of a Customised Application Store

It provides an open platform and development tools (SDK, API) for quick creation of new operator services.

Advantages of the Hardware

A dual core Realtek processor supports a wide range of video and audio formats.

Advanced Wi-Fi Technologies[1]

NV-501-Wa supports all up-to-date Wi-Fi standards: 802.11a/b/g/n/ac. A capability of stable real-time traffic transfer is implemented.
Wi-Fi Client support ensures NV-501-Wac connection to an external network via a wireless channel.

Peer-to-Peer TV

An additional option of content delivery is available: multimedia file streaming to STB via DC++ and Torrent protocols. Without PC and files download to a local disk. A capability is available to add an illustrated page (catalogue) for media content.

Basic Services

– Full HD IPTV
– OTT
– VoD
– Media Player (files playback from external device and local network).
– Program schedule (EPG)
– Cloud support
– Online resources: Youtube, Internet radio, etc
– Store for provider's applications
– HLS
– Peer2Peer TV (video streaming via DC++, Torrent)

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[1] For devices NV-501-Wac

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Functionality

Hardware advantages
– Realtek RTD1195 chipset
– ARM architecture
– More than 4 000 DMIPS
– 1 Gb RAM
– 4 Gb Flash
– 2D/3D acceleration, OpenGL
– Android 4.4
– H.265
– 4Kp30 decoding

General
– HLS
– DRM: A.R.E.S. DRM, Verimatrix
– Full HD, 1080p, 4Kp30
– Multilinguality
– Remote controller, an opportunity to connect computer mouse or keyboard
– Programmable remote controller: Android-application
–AV output

Interfaces
– 1 x LAN 10/100/1000
– 2 x USB 2.0
– HDMI 1v4
– microSD Card Reader
– Port for external receiver
– AV output

Video
– Screen resolution: Full HD 1080p, HD 720p
– Video formats MPEG1, MPEG(+HD), MPEG4(+HD), XvID, DivX, H.264, Wm9, AVCHD, Vc1, HEVC

Audio
– 44.1, 48, 96 kHz

Network
– Protocols: IP, HTTP, DHCP, NTP, IGMP (multicast), ICMP, UDP, RTP, RTSP, PPPoE, DLNA, SAMBA, Bit-torrent

Service
– Provider-oriented application store, Android applications, Google Play
– Software update via provider-oriented application store

Wireless network
– Dual band Wi-Fi IEEE 802.11 b/g/n/ac, 2,4/5 GHz
– Built-in antenna

Physical characteristics
– Dimensions (LxWxH), mm: 100x89x18
– Horizontal placement, setting on the wall
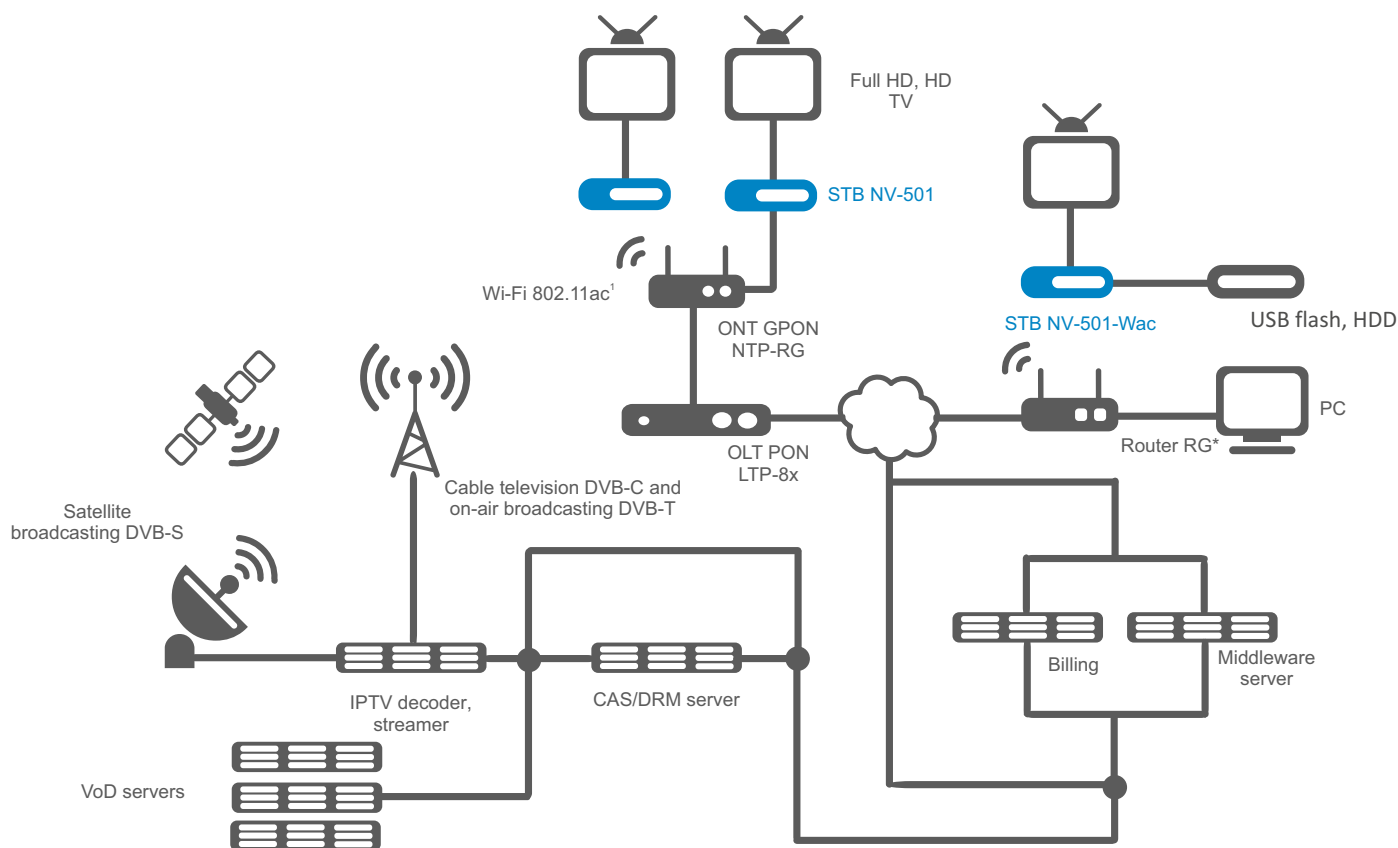– Material: plastic

Power supply characteristics
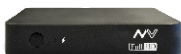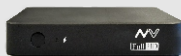– Adaptor: 5,2V DC, 2,5A

Delievery set
– IPTV Set-Top-Box NV-501 or NV-501-Wac
– Power supply
– Remote controller
– 2 AAA batteries
– HDMI cable
– Patch cord RJ-45
– Short user instruction

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Scheme of using

Full HD, HD TV

STB NV-501

Wi-Fi 802.11ac[1]

ONT GPON NTP-RG

STB NV-501-Wac

USB flash, HDD

PC

Router RG*

OLT PON LTP-8x

Satellite broadcasting DVB-S

Cable television DVB-C and on-air broadcasting DVB-T

Billing

Middleware server

IPTV decoder, streamer

CAS/DRM server

VoD servers

Ordering information

Name	Description	Image
NV-501	Full HD Set-Top box and mediaplayer, Realtek RTD1195, 1 Gb RAM, Android 4.4, 1xLAN 10/100/1000, 2xUSB 2.0, HDMI 1.4	
NV-501-Wac	Full HD Set-Top box and mediaplayer, Realtek RTD1195, 1 Gb RAM, Android 4.4, 1xLAN 10/100/1000, 2xUSB 2.0, HDMI 1.4, Wi-Fi 802.11 a/b/g/n/ac	
Additional options		
Universal remote controller	Programmable remote controller provides TV and STB management	

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About Company

Eltex company - is leading Russian developer and manufacturer of telecommunications equipment with 20 years of history. Integrity of solutions and seamless integration capability into Customer infrastructure is priority area of company development.