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IPTV CPE PORTFOLIO

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B-Optix W series



DESCRIPTION

BO series set-top boxes are media players optimized for FullHD content application. Support for multiple applications and services has been successfully implemented and tested. B-Optix W series works with all modern video and audio decoders, supports multiple video and audio playback formats in the built-in player.

MAIN CHARACTERISTICS

Model	BO250W	BO300W	BO250W2G	BO300W2G
Chipset	S905W			
RAM	1 GB		2 GB	
ROM	8 GB			
Ethernet	10/100 Base-T			
Wi-Fi	802.11ac 2,4+5GHz		802.11ac 2,4+5GHz	
Bluetooth	Bluetooth 4.0		Bluetooth 4.0	
Maximum resolution	Full HD , 1920×1080			

B-Optix W2 series

NEW



DESCRIPTION

Experience the future of entertainment with our latest affordable set-top box. Unlike its predecessor, it supports 4K content and features higher hardware performance. B-Optix W2 series delivering a smooth and rich viewing experience, upgrading your home entertainment to the next level.

MAIN CHARACTERISTICS

Model	BO350W	BO400W	BO350W2G	BO400W2G
Chipset	S905W2			
RAM	1 GB		2 GB	
ROM	8 GB (possible upgrade to 16GB)			
Ethernet	10/100 Base-T			
Wi-Fi	-	802.11ac 2,4+5GHz	-	802.11ac 2,4+5GHz
Bluetooth	Bluetooth 5.1			
Maximum resolution	4K, 60 fps			

Vermax UHD X series



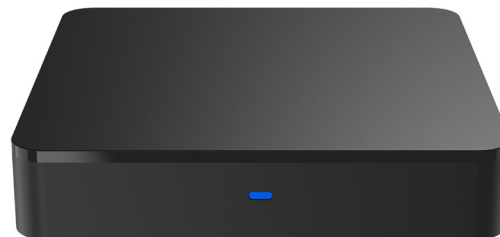
DESCRIPTION

UHD X series set-top boxes are the main product of the company, designed for user-friendly operation both for telecom operators and individual users. Media players are optimized to work with high-quality 4K content through a variety of applications and services. Vermax UHD X series works with all modern video and audio decoders, supports a variety of video and audio playback formats in the built-in player. Additionally, the set-top boxes support Wideline DRM in extended mode.

MAIN CHARACTERISTICS

Model	UHD250X	UHD300X	UHD250X2G	UHD3000X2G
Chipset	S905X			
RAM	1 GB		2 GB	
ROM	8 GB			
Ethernet	10/100 Base-T			
Wi-Fi	-	802.11ac 2,4+5GHz	-	802.11ac 2,4+5GHz
Bluetooth	-	Bluetooth 4.0	-	Bluetooth 4.0
Maximum resolution	4K, 60 FPS			

Vermax UHD X4 series



DESCRIPTION

Vermax UHD X4 is the most powerful series of set-top boxes provides the top user-friendly entertainment solutions. Designed to support high-quality 4K&60 FPS, these devices are equipped with the powerful S905X4 chip for excellent performance. In addition, they can be equipped with the full-speed Wi-Fi 6 module and 1GE high-speed Ethernet port, allowing you to consume any content without limits. These multimedia players can easily handle a wide range of applications and services, work easily with advanced video and audio decoders, and support a variety of video and audio formats - all within a built-in player.

MAIN CHARACTERISTICS

Model	UHD400X2G	UHD400X4G
Chipset	S905X4	
RAM	2 GB	4 GB
ROM	8 GB	
Ethernet	10/100 Base-T (possible upgrade to 1 Gb port)	
Wi-Fi	802.11ac 2,4+5GHz (possible upgrade to WiFi 6)	
Bluetooth	Bluetooth 5.1	
Maximum resolution	Ultra HD 4k, 60 FPS	

Vermax UHD Y4 series | STB

NEW


DESCRIPTION

Introducing the UHD Y4, a brand new innovation to our UHD series. This advanced device is an affordable mid-range solution for enjoying uninterrupted 4K&60 FPS content. It runs on the new Android platform and comes in two universal form factors: a classic design and a easy-to-use dongle version that fits discreetly behind your TV. Upgrade your entertainment experience without spending a lot with the UHD Y4 series.

MAIN CHARACTERISTICS

Model	UHD250Y	UHD300Y	UHD250Y2G	UHD300Y2G
Chipset	S905Y4			
RAM	1 GB		2 GB	
ROM	8 GB			
Ethernet	10/100 Base-T			
Wi-Fi	802.11ac 2,4+5GHz			
Bluetooth	Bluetooth 5.1			
Maximum resolution	Ultra HD 4k, 60 FPS			

Vermax UHD Y4 series | Dongle

NEW



DESCRIPTION

Introducing the UHD Y4 Dongle, a brand new innovation to our UHD series. This advanced device is an affordable mid-range solution for enjoying uninterrupted 4K&60 FPS content. It runs on the new Android platform and comes in two universal form factors: a classic design and a easy-to-use dongle version that fits discreetly behind your TV. Upgrade your entertainment experience without spending a lot with the UHD Y4 series.

MAIN CHARACTERISTICS

Model	UHD400Y	UHD450Y
Chipset	S905Y4	
RAM	2 GB	
ROM	8 GB	
Ethernet	-	10/100 Base-T
Wi-Fi	802.11ac 2,4+5GHz	
Bluetooth	Bluetooth 5.1	
Maximum resolution	Ultra HD 4k, 60 FPS	

Projector



DESCRIPTION

This video projector has a built-in solution with full functionality of Android-based TV set-top box, which allows you to get access to a variety of services and interactive entertainment. These devices are available in a variety of technical designs, allowing you to choose a solution for the necessary price and functionality.

MAIN CHARACTERISTICS

Chipset	S905W
RAM	2 GB
ROM	32GB
Ethernet	10/100 Base-T
Wi-Fi	802.11ac 2,4+5GHz
Bluetooth	Option
Maximum resolution	Full HD

Speaker



DESCRIPTION

A hybrid smart-speaker solution that supports the functionality of a TV set-top box. Perfect for both watching video content and listening to audio. Some models can be integrated into smart home systems and control them.

MAIN CHARACTERISTICS

Chipset	Amlogic S905X4
RAM	2 GB
ROM	16 GB
Ethernet	100 Mbps
Wi-Fi	802.11ac 2,4+5GHz
Bluetooth	Bluetooth 5.0
Maximum resolution	480i/p, 576i/p, 720p, 1080i/p и 4Kx2K
HDMI	2.1

Remote control



1



2



3



4



5

- 1 Inexpensive radio remote
- 2 Minimalistic IR+BT
- 3 Minimalistic premium remote
- 4 Premium remote control with digital panel
- 5 Special project-based remote control

High requirements for sample testing

Testing program and methodology

- Approval of a unified testing program
- Testing of all samples on a single PMI, logging

Testing the kit

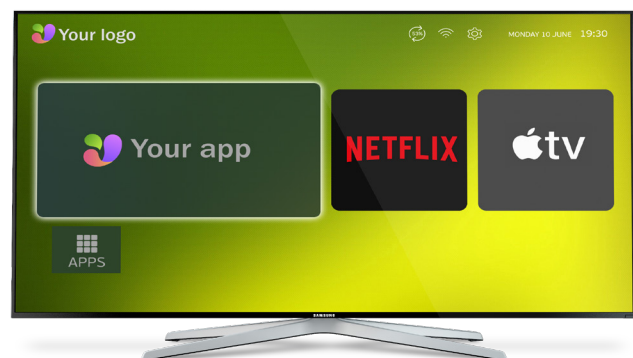
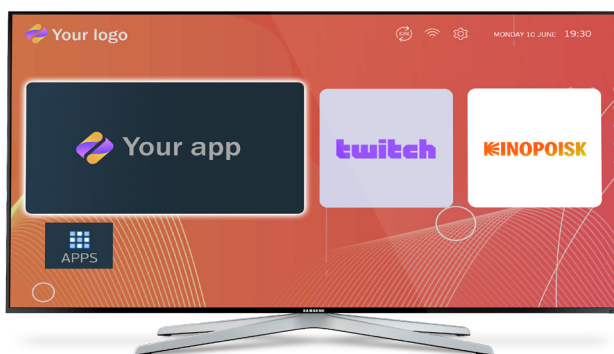
- Remote control
- Power supply unit
- HDMI cable
- Microphone, speaker

Testing of the component base

- Wi-Fi & BT chips
- RAM and Flash memory
- Cooling
- Microphone, speaker

Testing the case, typography, polygraphy

- Plastic quality
- Quality of cardboard
- Quality of printing
- Quality of typography



Complete customization

Our customization capabilities extend to every detail, including gift boxes, inner components, silkscreen designs and much more. We offer the flexibility to integrate animations of your choice, enabling you to your product precisely to your preferences. Turn your vision into reality with our personalized solutions.

STB Tools

STB Tools provides you complete control over the functionality of Vermax TV set-top boxes. Unlimited possibilities to change logos, animations, install and uninstall applications, and even adjust system settings all of this is now at your fingertips.

1. EFFORTLESS SIMPLICITY

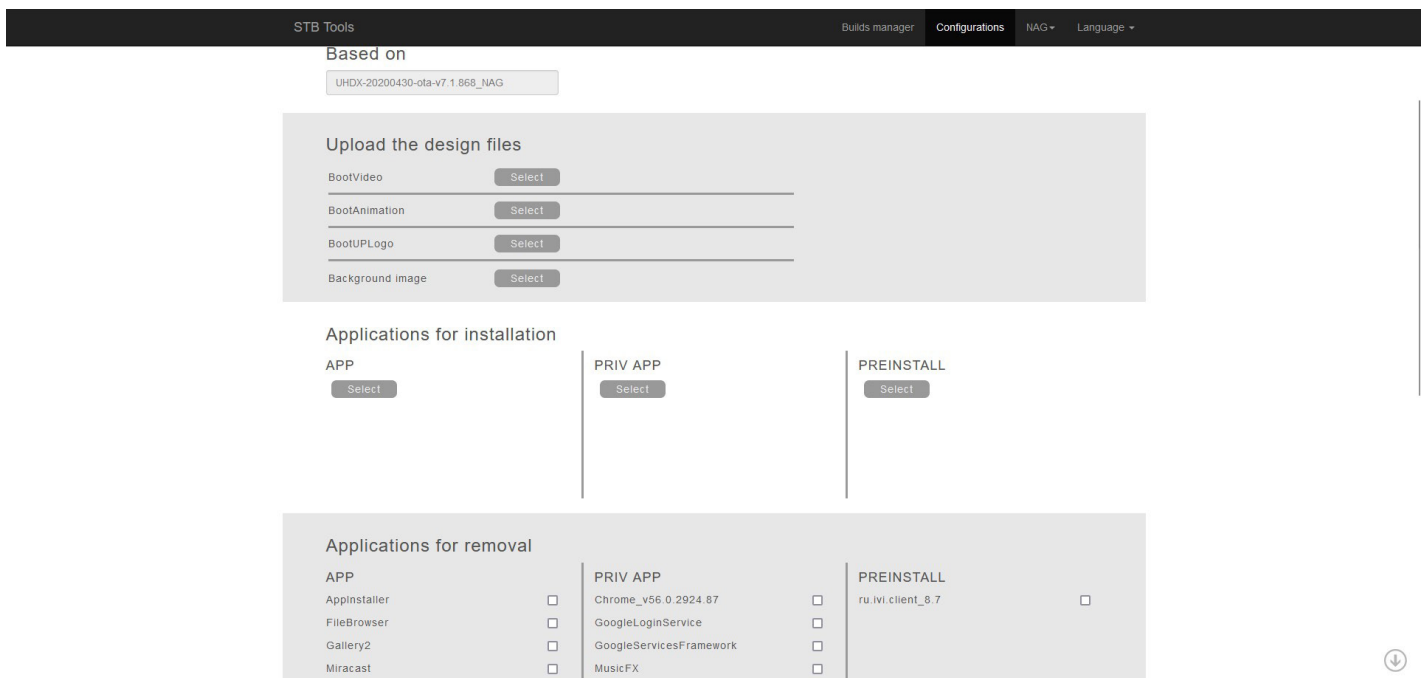
Creating and altering firmware is no longer restricted to programmers. With STB Tools, programming skills are not required. The entire process is intuitively understandable, even for those without technical expertise.

2. FLEXIBILITY WITHOUT OVERHEAD COSTS

No longer required to invest resources in configuring and maintaining your own Linux-based servers. STB Tools provides you with powerful tools that operate on our dedicated cloud service.

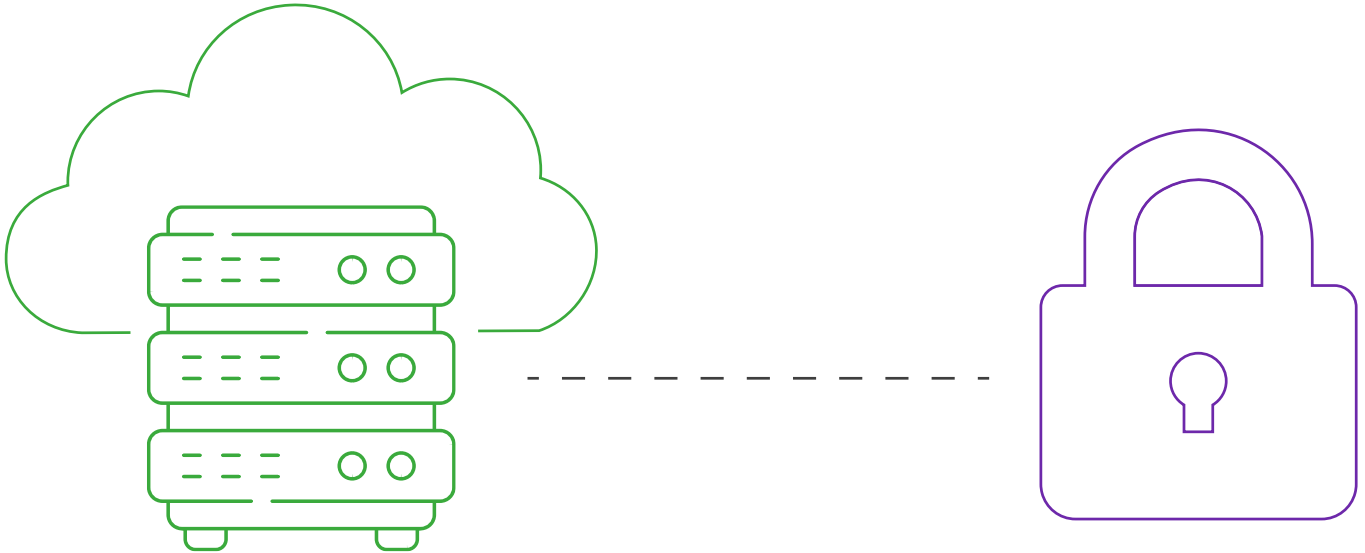
3. SEAMLESSLY COLLABORATE FOR ENHANCED PRODUCTIVITY

STB Tools isn't just about individual management. Our system incorporates the ability to unify multiple users into a single company.



Set-top box management server

The Set-top box management server allows both software updates and remote locking (disabling) of the set-top boxes (by MAC, s/n or IP address).



The set-top box management server is a dynamic hub that opens doors to comprehensive control. It's a robust tool that facilitates firmware updates, ensuring your set-top boxes remain at the forefront of technology.

1. REMOTE LOCKING MODE

Ability to enforce a lockdown mode within the firmware. With the set-top box management server, you can restrict set-top box functionality in case of non-payment.

2. REMOTE FIRMWARE UPDATES, SIMPLIFIED

With our solution, you can remotely update the firmware of devices with incredible precision. From a single device to the entire fleet, you hold the reins.

3. EFFORTLESS EASE PRODUCTIVITY

Gone are the days when firmware manipulation was solely in the hands of programmers. Thanks to set-top box management server, you won't need to be an expert. The entire procedure is designed to be inherently intuitive, ensuring that even individuals lacking technical background can grasp it effortlessly.

NAG is a leading telecom and IT solution provider representing a 20-year history of expertise. Since 2004 NAG has served multiple customers in 25+ countries in CIS and Middle East regions providing the following solutions:

- full range of equipment for telecom operators;
- L2 and L3 Networking solutions;
- SOHO WiFi Routers and IPTV STB equipment;
- intelligent video surveillance systems with built-in analytics;
- Servers and Storages;
- Infrastructure and Power supply solutions.

With over 650 dedicated employees, including a strong engineering team of 150+ employees, NAG operate seven representative offices strategically located in Ekaterinburg, Moscow, Novosibirsk, Rostov-on-Don, St. Petersburg, Perm, Almaty (Kazakhstan) and Tashkent (Uzbekistan). Our logistics centers in Moscow, Washington (USA) and Shanghai (China) allow working directly with foreign partners and ship out goods with the highest quality and optimized timelines.

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