SUBSCRIBERS IPTV
EQUIPMENT CATALOGUE

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B-Optix W2 series

MAIN CHARACTERISTICS

Model	BO350W	BO400W	BO350W2G	BO400W2G
Chipset	S905W2			
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 5.1		Bluetooth 5.1
Maximum permission	4K @ 60 FPS			

ORDER INFORMATION

BO350W	IPTV TV set-top box B-OptiX BO350W (Amlogic S905W2, without Wi-Fi, RAM 1 GB) (included with ind. box, power adapter, HDMI cable, remote control, user manual)
BO400W	IPTV TV set-top box B-OptiX BO400W (Amlogic S905W2, with Wi-Fi 2.4/5 GHz, RAM 1 GB) (included with ind. box, IR remote control, 5V2A power adapter, HDMI cable, user manual)
BO350W2G	IPTV TV set-top box B-OptiX BO350W2G (Amlogic S905W2, without Wi-Fi, RAM 2 GB) (included with ind. box, power adapter, HDMI cable, remote control, user manual)
BO400W2G	IPTV TV set-top box B-OptiX BO400W (Amlogic S905W2, with Wi-Fi 2.4/5 GHz, RAM 2 GB) (included with ind. box, IR remote control, 5V2A power adapter, HDMI cable, user manual)

DESCRIPTION

Experience the future of entertainment with our new budget set-top box. Compared to the previous generation B-Optix model, it supports 4K content and has higher hardware performance. The B-Optix W2 series will provide the smoothest video playback, taking your entertainment to the next level.

Vermax UHD X series

MAIN CHARACTERISTICS

Model	UHD250X	UHD300X	UHD250X2G	UHD300X2G	UHD400X2G	UHD400X4G
Chipset	S905X				S905X4	
RAM	1 GB		2 GB			4 GB
ROM	8 GB					
Ethernet	10/100 Base-T				10/100 Base-T (installation of 1 Gb is possible port)	
Wi-Fi	-	802.11ac 2.4+5GHz	-	802.11ac 2.4+5GHz	802.11ac 2.4+5GHz (Wi-Fi installation is possible 6)	
Bluetooth		Bluetooth 4.0		Bluetooth 4.0	Bluetooth 5.1	
Maximum permission	4K @ 60 FPS				4K @ 120 FPS	

ORDER INFORMATION

UHD250X	STB Vermax UHD250X (Amlogic S905X, RAM 1G, without Wi-Fi) (set with ind. box, 12V 1A power adapter, HDMI cable, remote control, 2*AAA batteries, user manual)
UHD300X	STB Vermax UHD300X (amlogic S905X, RAM 1G, with Wi-Fi in two ranges) (set with ind. box, 12V 1A power adapter, HDMI cable, remote control, 2*AAA batteries, user manual)
UHD250X2G	STB Vermax UHD250X (Amlogic S905X without Wi-Fi) (set with ind. box, 12V 1A power adapter, HDMI cable, remote control, 2*AAA batteries, user manual)
UHD300X2G	STB Vermax UHD300X (amlogic S905X, RAM 2G, with Wi-Fi in two ranges) (set with ind. box, 12V 1A power adapter, HDMI cable, remote control, 2*AAA batteries, user manual)
UHD400X2G	Vermax UHD400X2G TV Set-Top Box (Amlogic S905X4 Chipset, Wi-Fi 802.11ac 2T2R, RAM 2 GB)
UHD400X4G	Vermax UHD400X2G TV Set-Top Box (Amlogic S905X4 Chipset, Wi-Fi 802.11ac 2T2R, RAM 4 GB)

DESCRIPTION

The UHD X series products have long been the company's core product, designed for convenient operation for both telecom operators and end users. The multimedia players are optimized for working with high-quality 4K content through various applications and services. Vermax UHD X series set-top boxes are compatible with all modern video and audio decoders, and support many video and audio playback formats in the built-in player. In addition, the set-top boxes support Wideline DRM.

Vermax UHD Y4 series

MAIN CHARACTERISTICS

Model	UHD250Y2G	UHD300Y2G	UHD450Y2G	UHD400Y2G
Form factor	Classic STB		Dongle	
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 permission	4K @ 60 FPS			

ORDER INFORMATION

UHD250Y2G	Set-top box 4K IPTV Vermax UHD250Y2G (Amlogic S905Y4, without Wi-Fi, RAM 2 GB) (set with ind. box, 12V 1A power adapter, HDMI cable, remote control, 2*AAA batteries, user manual)
UHD300Y2G	Vermax UHD300Y2G TV set-top box (amlogic S905Y4, Wi-Fi 2.4/5GHz, RAM 2GB) (set with ind. box, 12V 1A power adapter, HDMI cable, remote control, 2*AAA batteries, user manual)
UHD400Y2G	HDMI-Dongle TV set-top box UHD400Y2G (amlogic S905Y4, Wi-Fi 2.4/5GHz, RAM 2GB) (included with Vermax ind. box, remote control, 2*AAA batteries, power adapter 5V 1A, Type C cable, user manual)
UHD450Y2G	HDMI-Dongle TV set-top box UHD450Y2G (amlogic S905Y4, Wi-Fi 2.4/5GHz, RAM 2GB) (included with ind. box, remote control, 2*AAA batteries, power adapter 5V 1A, Type C cable, user manual)

DESCRIPTION

Vermax UHD Y4 is a completely new product in the UHD series. This advanced device is an affordable mid-budget solution for uninterrupted viewing of content in 4K and 60 frames per second. It runs on the latest Android 11 platform and is available in two universal form factors: a classic design and a convenient dongle version designed for hidden mounting behind the TV, without creating visual noise in your interior.

Columns

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 permission	4K @ 60 FPS

DESCRIPTION

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

Remote controls

1

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1 Budget radio remote controls

2 Minimalistic IR+BT

3 Premium minimalistic

4 Premium with digital panel

5 Unique design solutions

High demands on sample testing

Program and methodology tests

↘Approved testing program

↘Testing all samples on one PMI, recording

Testing component base

↘Wi-Fi & BT chips

↘RAM and Flash memory

↘Cooling

↘Microphone and speaker

Testing the kit

↘Remote control
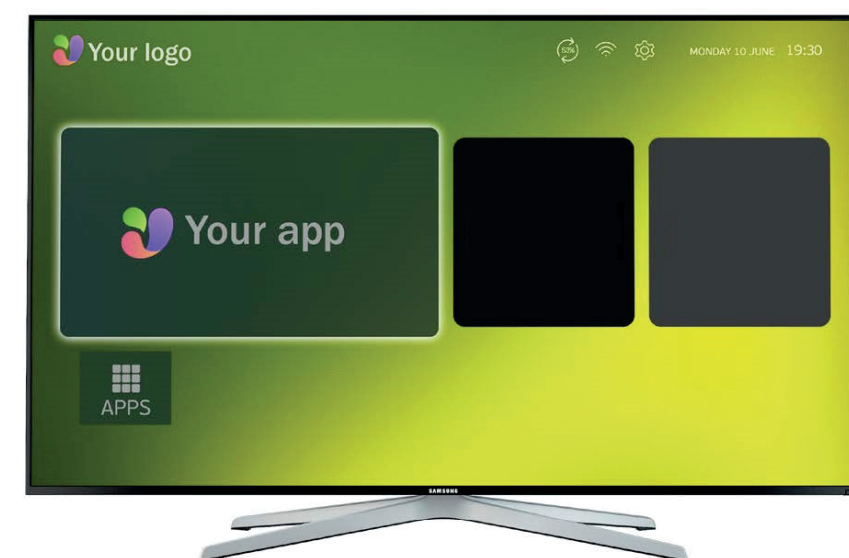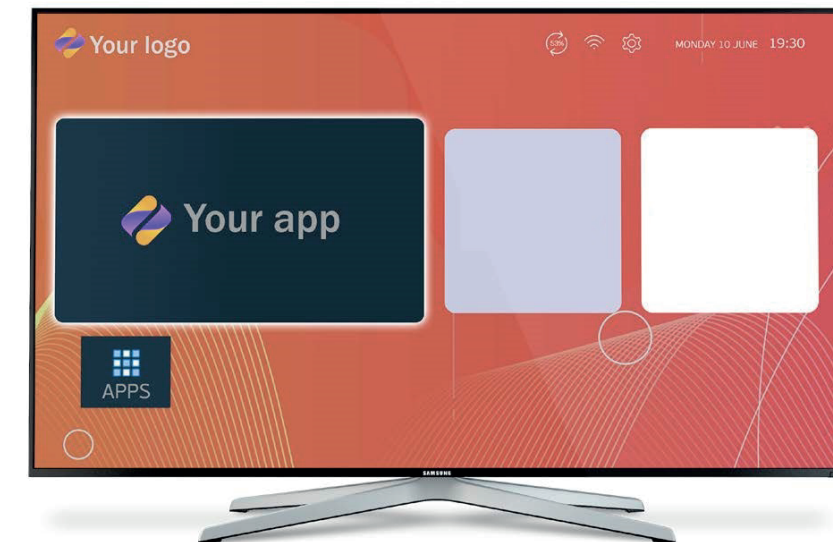
↘power unit

↘HDMI cable

↘Microphone and speaker

Case testing,
printing houses

↘Quality of plastic

↘Cardboard quality

↘Print quality

↘Printing quality

FULL CUSTOMIZATION

Our customization capabilities extend to all components of the device, including boxes, internal components, silkscreen and more. We offer flexible animation integration, allowing you to create a product exactly as you want it. Bring your vision to life with our personalized solutions.

STB Tools

STB Tools gives you full control over the functionality of Vermax TV boxes. Unlimited possibilities for changing logos, animations, installing and removing applications and even adjusting system parameters - all this is now at your fingertips.

1. EASE OF USE

Creating and modifying firmware is no longer the prerogative of developers. With STB Tools, programming skills are not required. The entire process is intuitive even for those who do not have technical knowledge.

2. FLEXIBILITY WITHOUT ADDITIONAL COSTS

No more spending resources on setting up and maintaining your own Linux servers. STB Tools provides you with powerful tools running on our dedicated cloud service.
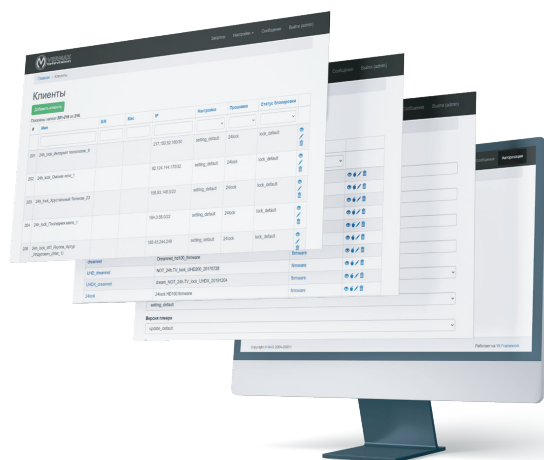
3. SEAMLESS COLLABORATION FOR IMPROVED PRODUCTIVITY

STB Tools is not only individual work in management. Our system allows you to combine several users into one company, which will allow you to fully work in

Set-top box management server

The set-top box management server allows you to both update software and remotely block (disable) set-top boxes (by MAC, s/n or IP address).

The Set-Top Box Management Server is a service that opens the door to comprehensive control. It is a reliable tool that allows you to update the software, ensuring that your set-top boxes remain on the cutting edge of technological advancement.

1. REMOTE FIRMWARE UPDATE

The firmware update configuration is created individually for each set-top box model in the operator's network, depending on the brand and chipset used.

The use of the Vermax Update service is designed for the joint use of B-Optix and Vermax set-top boxes in the same network.

When accessing the server, the device is directed to the configuration intended for it, based on the model, IP address, or subnet mask to which the configuration is assigned.

Device segmentation allows you to:

↘ Balance load during mass update.

↘ Segments can be upgraded sequentially, reducing peak load on the network and servers.

↘ Assign different firmware to subnet if they belong

2. REMOTE APPLICATION UPDATE

With our service, you can remotely update the firmware of your devices with incredible accuracy. From one device to a whole fleet - everything is in your hands.

How does this work?

↘ When contacting the Vermax Update server, the device receives list of current applications and their versions.

↘ If the version of the application in the list is higher than the one on the set-top box, the application will be updated.

↘ If the application is not present on the set-top box, it will be installed.

3. REMOTE BLOCKING

Possibility to set up a blocking mode. Using the set-top box control server, you can limit the functionality of the set-top box, for example, in case of non-payment.

It is possible to limit the operation of consoles **outside the provider's network** or **for non-payment using billing**.

For the blocking functionality to work, access to the Vermax Update server is allowed only from IP addresses belonging to the provider. If the client changes the provider and the set-top box does not receive a response from the server within 10 minutes, the operation of the set-top box will be limited.

4. EFFORTLESS PRODUCTIVITY

Gone are the days when the administration of the client base was in the hands of specialized specialists only. Thanks to the console management server, you don't have to be an expert. The entire procedure is presented at an intuitive level, so even a person without technical training will be able to understand it without difficulty.

NAG is a leading telecom and IT solution provider representing a 20-year history of expertise. NAG has been working with a large number of customers in the CIS and around the world since 2004 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 offices in Dubai (UAE), Almaty (Kazakhstan) and Tashkent (Uzbekistan). Our logistics centers in 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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Follow the Expert

— developer of equipment and solutions for the telecommunications industry, industry and business. We have accumulated extensive experience in the development and construction of communication networks, data transmission networks, as well as network infrastructures and information security systems.