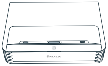
VANKYO SUPPORT

North America	support@ivankyo.com
France	support.fr@ivankyo.com
España	support.es@ivankyo.com

www.ivankyo.com @VankyoOfficial VANKYO

VANKYO



Vista T4

4K UST Triple Laser Projector

USER MANUAL

V1.02

CONTENTS

IMPORTANT SAFETY INSTRUCTIONS 01
KNOWING YOUR PROJECTOR 01
 Package Contents 01
 Parts and Components 02
 Specifications 05
USING YOUR PROJECTOR 07
 Quick Installation Guide 07
 Functions 11
 Operation Guide 12
CLEANING AND MAINTENANCE 20
TROUBLE-SHOOTING 21
 WARRANTY AND SERVICE 23

IMPORTANT SAFETY INSTRUCTIONS

1. ABOUT LASER LIGHT

- Never look into the projector lens when the laser is turned on; this can result in eye damage.
- Do not try to dismantle the projector. It contains a high-power laser component; attempting to modify can result in serious injury.
- Do not allow children to operate the projector They must be accompanied by an adult for use.

2. HIGH TEMPERATURE

- Do not place anything that can become warped or damaged by heat near the vents.
- Do not bring your hands or face close to the vents while projection is in progress.
- Do not place flammable materials such as aerosols near the device in case of fire.

FOR HOUSEHOLD USE ONLY
READ AND SAVE THESE INSTRUCTIONS

KNOWING YOUR PROJECTOR

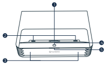
Package Contents

Vista T4 x 1	Remote Control x 1
AAA Battery x 2	59-inch Power Cord x 1
Cleaning Cloth x 1	Roku Stick x1
User Manual x 1	Quick Start Guide x 1

Parts and Components

PROJECTOR

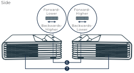
Front/Top



❶ Lens	❹ Power Button
❷ PIR Sensor	❺ Status Indicator
❸ Speakers	

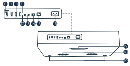
Blinking	Booting/Shutting down
Off	Outage/Abnormal
Solid On	Powered but not on

Side



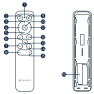
❻ Height Adjusting Wheels ❼ Heat Dissipation Vents

Rear/Bottom



❽ HDMI Input 1	⓬ Audio Output	⓰ Power Port
❾ HDMI Input 2	⓭ AV Input	⓱ Rear Foot
❿ HDMI 3 ARC	⓮ S/PDIF Port	⓲ Speaker Air Vents
⓫ USB Port	⓯ Ethernet Port	⓳ Front Foot *2

REMOTE CONTROL



❶ Mic	❾ Mute
❷ Power	❿ OK
❸ Up	⓫ Right
❹ Left	⓬ Settings
❺ Down	⓭ Home
❻ Return	⓮ Menu
❼ Signal	⓯ Volume+
❽ Volume -	⓰ AAA Battery Holder

Specifications

Projection System	
Display Type	DLP
Light Source	RGB-Laser
Throw Rate	0.233
Projection Size	Up to 150"
Resolution	4K
Luminance Uniformity	>80%
Contrast Ratio	>300:1 (ANSI)/> 3000:1 (FOFO)
Color Gamut	106% Rec.2020

Smart TV System	
System	Android 9.0
ROM	32GB
RAM	3GB
Motion Detection	Yes
HDR 10	Yes
HLG	Yes
Keystone Correction	Yes (8 Points)
Electric Focus	Yes

Audio	
Speaker	Harman / Kardon, 60W (total)
Bluetooth In	Yes (connect with mobile phone)
Bluetooth Out	Yes (connect with Bluetooth speaker)
DTS-HD	Yes
Dolby Audio	Yes

Interface	
HDMI	3 ports (HDCP2.2, 1 with ARC)
USB	1 (5V DC, 500mA)
Video In	AV3.5
Audio Out	Line out 1 (3.5mm) and S/PDIF 1
RJ45	1

Connectivity	
Internet	Wired and wireless 802.11ac 2.4G / 5G 2T2R
Bluetooth	BT 4.0

Power	
Input	100-240V AC, 50/60Hz, 4A
Power Consumption	<350W
Standby Power Consumption	<0.5W

Others	
Dimensions	540*378*110mm/21.25*14.88*4.33 inch
Weight	11kg / 388oz
Noise	<30dB
Working Temperature	0 - 40°C I 32 - 104°F
Storage Temperature	-20 - 65°C / -4 - 149°F

USING YOUR PROJECTOR

Quick Installation Guide

PREPARATION

Install the electrical outlet near the equipment. It should be easily accessible. Take the 4 following items into consideration when installing the projector:

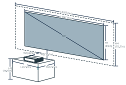
❶ Distance between the projector back and the wall (W1)

❷ Height: image width (height) (H1), height between the bottom of the image and the desk (H2), height of the desk (H3), and the recommended height of the wall (H4)

❸ Surface for placing the projector
You can place the projector on almost any sturdy, flat and level surface, to project an image.
Dimensions of the desk:
- Mobile desk: W2, H3, and L2
- Immobile desk: W2, H3, L2 and W1 (leave enough space to move the device on the desk)

❹ Image of the projection
The wall for the projection should be larger than the area of your desired image size.
Wall area: length (L3, ≥L1) x width (H4,≥H1 + H2 + H3) in the diagram.

Parameters for Projection (100" for example)



Projection Distance & Image Dimensions

Device Dimensions (LxWxH)	Image SD	Image Length (L1)	Image Width (H1)	Device-Wall Distance (W1)	Image-Desk Height Gap (H2)
53.3 x 36.8 x 10.7cm / 21.0 x 14.5 x 4.2in	80"	177.1cm / 69.7in	99.6cm / 39.2in	8.5cm / 3.3in	26.3cm / 10.4in
	90"	199.3cm / 78.5in	112.1cm / 44.1in	13.4cm / 5.3in	28.6cm / 11.3in
	100"	221.4cm / 87.2in	124.5cm / 49.0in	18.2cm / 7.2in	30.8cm / 12.1in
	120"	265.7cm / 104.6in	149.4cm / 58.8in	27.9cm / 11.0in	35.2cm / 13.9in
	150"	332.1cm / 130.7in	186.8cm / 73.5in	42.4cm / 16.7in	41.9cm / 16.5in

Image SD	Desk Length (L2)	Desk Width (W2)		Desk Height (H3)	Wall Length (L3)	Wall Width (H4)
	L2 > L	Mobile Desk: (W2 > W)	Immobile Desk: (W2 > W+W1)	Image center at 1.3m high	L3 > L1	H4 > H1+ H2+H3
80"	>53.3cm / 21.0in	>36.8cm / 14.5in	>45.3cm / 17.8in	53.9cm / 21.2in	>177.1cm / 69.7in	>179.8cm / 70.8in
90"			>50.2cm / 19.8in	45.4cm / 17.9in	>199.3cm / 78.5in	>186.5cm / 73.4in
100"			>55cm / 21.7in	37.0cm / 14.6in	>221.4cm / 87.2in	>192.3cm / 75.7in
120"			>64.6cm / 25.4in	20.1cm / 7.9in	>265.7cm / 104.6in	>204.7cm / 80.6in
150"			>79.2cm / 31.2in	0cm / 0in	>332.1cm / 130.7in	>228.7cm / 90.0in

Example Calculation for a 100" Image

❶ Distance (W1): 18.2cm / 7.2in.

❷ Heights: H1: 124.5cm / 49.0in; H2: 30.8cm / 12.1in; H3: 37.0cm / 14.6in (thus the image center is at 1.3m / 51.2in high, suitable for audience sitting on a sofa in front); H4: ≥192.3cm / 75.7in.

❸ Area of the desk (L2 x W2): ≥53.3 x 55cm I 21.0 x 21.7in.

❹ Area of the wall (L3 x H4): ≥221.4 x 192.3 cm/ 87.2 x 75.7in.

Tips:
① Conversion figures may have been rounded up or down.
② Leave plenty of space around and under the projector for ventilation, and keep the vents unblocked in all directions.
③ Position the projector within reach of a grounded electrical outlet or extension cord.
④ The projected image size increases as the projector is placed farther from the wall. Move the desk for placing the projector as the distance requires.
⑤ For H3, the provided recommended value of the image center at 1.3 m./51.2 in. high would be most comfortable with the assumption that it will be viewed from a sofa. You can adjust per your personal preference.

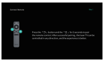
INSTALLING THE PROJECTOR

Place the projector on the desk. Move to an appropriate distance for the desired image size while keeping the device parallel with the wall. Connect the projector to a power source and press the Power button on the device or remote to turn it on. Follow the instructions to go through the wizard, including the following operations:

❶ Choose a language
❷ Pair with the remote control
❸ Network settings

❹ Adjust the projection area

❺ Select the time zone



Press the 「⮌」 button and the 「☰」 for 3 seconds to pair the remote control. After successful pairing, the laser TV can be controlled in any direction, and the experience is better.

Functions

1. MOTION DETECTION

There are two PIR motion sensors at the front of the projector; when it detects human approaching, the projector will dim the brightness of the laser light to prevent any potential eye damage. This function is active by default and can be disabled in Settings-> General. Press any button on the remote control and the laser light will restore to normal brightness level.

2. HDR10

This projector supports HDR10, currently the most widely used High Dynamic Range technology, especially for Blu-ray devices and professional game consoles. Compared to devices without HDR10, the projector delivers images with more detail and a wider dynamic range.

3. DOLBY AUDIO AND DTS DECODING

The projector supports Dolby Audio and DTS (dedicated to sound) decoding, perfect for a home theater.

① Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.

② For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, DTS and the Symbol together, DTS-HD, and the DTS-HD logo are registered trademarks and/or trademarks of DTS, Inc. in the United States and/or other countries. ©DTS, Inc. All Rights Reserved.

4. TEMPERATURE PROTECTION

The built-in temperature protection function can protect the device in the case of a high ambient temperature. The projector will prompt a warning message and enter ECO mode automatically when the ambient temperature is higher than 100° F. If the temperature reaches 109° F, the device will activate the function of protection against abnormalities and shut off.

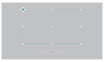
Operation Guide

1. POWER ON/OFF

Connect the prorector to a power source. Press the Power button on the projector or the remote to power it on / off.

2. POSITION ADJUSTMENT

Refer to the following instructions to adjust the position of the projector and get an undistorted image.

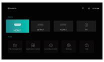


3. USER INTERFACE OVERVIEW

There are 2 parts on the homepage: Inputs and Tools.

- Signal source: HDMI1, HDMI2, HDMI3 & AV
- Tools: File Manager, App Manager, Local Application, Setting and Help

On top you can see the Network, Bluetooth, and the time.



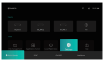
4. CONNECTION WITH PERIPHERALS

You may connect PS4 game console, ROKU TV, computer,etc.,via the HDMI port, DVD device by the AV port, USB device/keyboard/mouse by the USB port (refer to 5. File Management), or professional audio by S/PDIF or LINE OUT port.

① Choose the corresponding signal source for the device connected, including HDMI1, HDMI2, HDMI3, and AV.

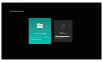
② Select audio output on the homepage, go to Settings-> Audio, and select the corresponding output method among the following options in Audio Output.

- Speaker: Use the built-in speaker
- Headphone: Connect to headphones
- S/PDIF: Connect to external audio device by S/PDIF port
  PCM: All formats will be converted to PCM for output.
  RAW: No processing for the source audio. Recommended for Dolby Audio and DTS sources for better performance.
- HDMI ARC: Output the sound via the HDMI ARC port



5. FILE MANAGEMENT

In File Management, you can manage the files in the internal flash drive and the plugged USB drive.



1) Internal Flash

You can save files to the projector storage, including the apps downloaded, files downloaded in the app, files in the USB drive, etc.

2) Using the USB drive

Plug in the USB drive and view files on the interface.

3) NetHood

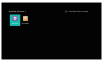
You can view files shared by other devices on the same network by NetHood.

Tip:
Support saving, viewing, copying, and deleting files through the All Files folder under these circumstances.

6. SEARCHING FOR / INSTALLING / DELETING APPS

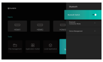
The device comes equipped with the Android 9.0 system and the application store. It supports downloading and installation of over 300 apps. Search through, download, and install apps in the Application market.

To delete an app, select the app on the local application, hold down the OK button and select OK on the pop-up window.



7. PAIRING VIA BLUETOOTH

Select the Bluetooth icon at the top right corner to enter the Bluetooth interface.



1) Use as Bluetooth speaker

Turn on Open Detection, select Input for Audio Mode on the interface, find and select the projector model under Bluetooth Devices on your phone or laptop to play audio via the built-in speaker of the projector (go to Settings -> General -> Device Name to check the Bluetooth name of the projector).

2) Pairing with audio devices

Select Output for Audio Mode on the interface, select Search Devices, find and select your audio device under Searched Devices, and the pairing will start automatically. The paired Bluetooth device will appear under Paired Devices.

3) Pairing with other devices

To pair with a Bluetooth controller, keyboard, mouse, remote, etc., select Search Devices, then select the desired device under Searched Devices to pair.

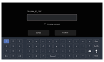
Tip:
To disconnect with a device, select it in My Devices and choose the "Disconnect" option.

8. NETWORK SETTING

Select the Network icon at the top right corner to enter the network setting interface. For wired connection, plug in the Ethernet cable. For wireless connection, find the network name on the drop-down list, select, and enter the password to connect. The software supports network anomaly detection.

① Show Password cannot be selected when the keyboard is shown. Press the Return button to exit the keyboard and tick the box.

② After entering the password, select the Confirm key to connect.



9. SYSTEM UPGRADE

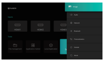
OTA update

Select Settings -> About -> Check for Updates to update the system.

Testing for updates....

10. IMAGE SETTINGS

Go to Settings -> Image, or press the Settings button to enter the interface.



1) Image Settings

You can select the image mode or adjust the brightness, contrast, chroma, hue and definition.

2) Advanced Settings

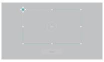
You can select the MEMC mode or adjust the dynamic contrast, color temperature, refresh rate or reset to factory settings.

3) Light Source Settings

You can select the light source mode or adjust the light source brightness.

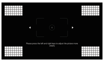
4) Keystone Correction

You can adjust the image.



5) Electric Focus

You can adjust the focus by the Left/Right button on the remote to get the clearest projection.



Please press the left and right keys to adjust the picture more clearly

11. PLAYBACK SETTINGS

When playing videos, press the Menu button to prompt a sidebar menu which includes the followings:
Video ratio, Sound track, Subtitle, Playback settings, Cycle mode, and Audio Effect.

12. MOUSE MODE

Go to Settings -> General -> Mouse Mode -> On/Off to enter/exit Mouse mode.
While in Mouse mode, you can use the remote as a computer mouse as to control the projector with greater flexibility.

CLEANING AND MAINTENANCE

- Before cleaning, unplug the power cord from the socket. Wipe the exterior of the projector routinely with the provided cleaning cloth or a cloth designed for professional use. Do not apply abrasive detergent, solvent or other coarse chemicals to avoid scrapes.
- Leave plenty of space around the vents for heat dissipation.
- Do not place anything blocking the speaker for better sound.
- Disassembling the device will not only null the warranty but may also cause harm to your or others' safety.
- Do not use the projector near water, sources of heat, high-voltage electrical wires, or sources of magnetic fields.
- If you use the projector in a country other than where you purchased it, use the correct power cord for that country.
- Do not block the lens during projection using a book or any other object. This could damage the projector or cause a fire.
- Remove the battery from the remote control if not in use for extended amounts of time in case of leakage and damage to the remote.

- Please follow local regulations to promptly and properly dispose of used batteries.

TROUBLE-SHOOTING

❶ **Do I need to prepare a screen for projection?**

* For optimal performance, project onto a flat wall with only one color, preferably white. However, using a recommended screen can provide the best experience.

❷ **The motion detection is not working.**

* Make sure the sensor is not blocked and the function is active in Settings.

❸ **The remote control isn't working.**

* Press any button on the remote, if blue light flashes, the remote is still powered.

* Check if there're obstacles in front of the VANKYO icon on the projector. If the remote can't work while pointing to the VANKYO icon, the remote or the infrared function is abnormal.

* If the infrared function is good, check if the remote has been paired via Bluetooth.

❹ **I can't play files from my USB drive.**

* Your USB drive may be in a format that the projector does not support. Back up the files to your computer, reformat the USB drive, transfer the files back to the drive, and plug the drive into the projector to try again.

❺ **I've connected a device via the HDMI port, but there's still no signal.**

* There are 3 HDMI ports on the projector. Make sure the device is connected to the correct one, the HDMI wire is working, and the HDMI device is powered on.

❻ **No sound is playing.**

* Check whether the correct audio output (built-in speaker/external speaker) is selected in Audio Settings, or if it's muted.

❼ **The image isn't clear/there is no image.**

* Make sure the original video is in high definition.

* Check that the projector is in focus: go to Settings -> Image -> Electric Focus to adjust accordingly.

* Power off the device and unplug the power cord. Plug it again after 1 min and power on the device.

❽ **How do I choose the audio output?**

* When connecting to a speaker in Settings, there are two output options: PCM and RAW.

- For PCM output, the audio source is decoded. It is compatible with almost all speaker types, but the sound quality may be compromised.
- For RAW output, no decoding is involved for the audio output, thus retaining the original sound (as long as the connected speaker supports the decoded audio). RAW output is generally the optimal choice.

❾ **What do I do if the system breaks down or gets stuck?**

* Power off the device and unplug the power cord. Plug it in again after 1 min and power on the device.

* There may be too much on the system cache. Free up space on Android and delete rarely-used apps.

* There may be a network problem. Check whether your network supports watching videos online. A bandwidth of 8M or higher can usually support 1080p videos.

❿ **The remote control got disconnected / I can't power on the device wirelessly because the remote isn't paired.**

* The projector can only be powered on by pressing the power button on the projector or via infrared. Powering on via Bluetooth is not available.