360 Rotating Scanner

Product User Guide **V3.0**

Catalogue

After-sales Support

If you have any technical inquiries or need any product services,
please feel free to contact us . We always provide the best solution and service for you!

Email:
support@marveltechgroup.com

Phone:
(786) 609-7136（WhatsApp Online）
008618123978547 (WhatsApp Online)

1.Attention

1. Before use, please check if there are power cords and other items stuck on the rotating stage to avoid damaging the cables.

2. For the safety of users, please do not jump violently on the stage.

3. Do not let the edge of the stage bear too much weight, it is best to distribute the weight evenly on the stage.

4. The stage should be adjusted to be parallel to the ground by rotating the foot cup before use.

5. When the rotating rod is running, it must not be stopped intentionally,

6. Keep the device away from water. Water splashing on the device will cause a short circuit and burn the computer.

7. Children should not use it alone and must be accompanied by an adult.

8. When transporting the photo booth in an air box, please remove the foot cup.

9. Try to make the surroundings bright and clutter-free when using it for better results.

2.Component Introduction

The attachments received are subject to as below.


Turntable

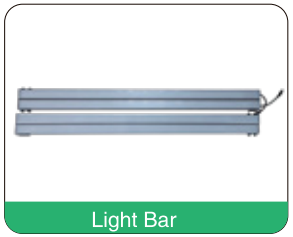

Bodies

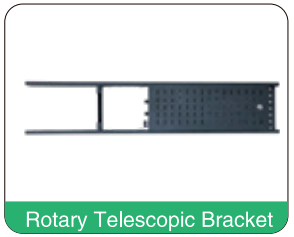

Counterweight Block


M4 Cross Screw


M8 Screw


Pc Box

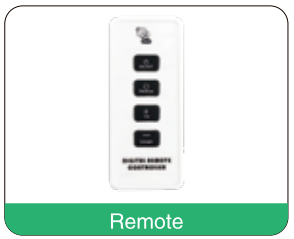

Light Bar


Rotary Telescopic Bracket


Power Cord


M4 Thumb Screw


Screwdriver


Remote


Torx handle screw

Chargers are not Included In The Giveaway

3.Installation Guide

Step1: Insert rotary telescopic bracket to the base

Step2: Fix it with torx handle screws

Step3: Insert power plug

Step4: Insert counter weight block

Step5: Fix it with torx handle screws

Step6: Assemble bottom body to rotary telescopic bracket and fix it with M8 screws

Step7: Connect LAN cables to router

Step8: Plug the power cable to socket

Step9: Connect the other side of LAN cable and power cable to the mini board

Step10: Assemble middle body to bottom body, upper body to middle body and fix them with M4 cross screws

Step11: Thread LAN cables and power cables through holes

Step12: Connect LAN cables and power cables to the mini boards

Step13: Attach light bars to the side of bodies

Step14: Fix the bottom ones with M4 thumb screws

Step15: Connect wires between light bars

Step16: Connect light strip power

Step17: Connect power cable under the base

4.3D scanning photo booth User manual

A. General Introduction

Hardware system

The hardware system of this 3D acquisition system is divided into two parts, namely the acquisition front end and the acquisition back end. The acquisition front end consists of a rotating turntable, 3 Raspberry Pis (each controlling 2 cameras), a router and other auxiliary hardware; the acquisition back end is a computer equipped with Windows 10 operating system and has Bluetooth and WIFI functions.

Software system

This 3D acquisition system also consists of two parts, which are also divided into front–end software and back–end software. The front–end software is a software called "Marvel 3D Scan" running on the Windows platform (minimum support Win10 19041 (Build 2004)), and all user operations are based on the front–end software. The back–end software is the software running in the Raspberry Pi system. It starts automatically when it is powered on, receives requests from the acquisition front end through the local area network and takes photos, and transmits the photo data back to the front–end software through the local area network.

B. Login

The current system supports two login methods: email verification code login, and account password login

1.Email verification code login

Login with account and password

C. Settings

The 3D acquisition system settings can be divided into shooting settings, rotation controller settings, file server settings and account related settings

1.Shooting settings

Shooting duration setting: the duration of the acquisition process, in seconds, it is recommended to set it to 20 seconds
Shooting times setting: the number of photos each camera will take during the acquisition process, it is recommended to set it to 30–35 photos
File storage path: the storage path of the acquired pictures on the computer

2. Rotation controller settings

Controller name prefix: the system will filter according to this name when searching for controllers and connect to the first device found. Please try to set it to the complete device name

3. File server settings

Region: The region where the file is stored in the cloud. Selecting the appropriate region will increase the upload and download speed

4. Account related settings

Log out
Change password
Balance recharge: The balance is used to beautify the model and print the model
Download point: Used to deduct the modeling fee. The modeling fee must be paid before the model is downloaded

D. Collection

1.Connect your computer to the Wifi named "Marvel 3D Scan xxx 5G" (default ex–work password is 12345678)

2.Connect your computer to the Wifi named "Marvel 3D Scan xxx 5G" (default ex–work password is 12345678)

3.Confirm the camera connection and make sure all three devices are online

4.Fill in the project name (optional, if not filled in, it will be generated by default according to the current time)

5.Start collecting

6.Start collecting

7.After the collection is completed, you will jump to the preview page to view the pictures collected this time.

E. Upload

This system allows uploading images from two sources to create projects, from collections and from file systems.

1.Upload after collection is completed

2.Select from the file system

F. Project browsing

1.Recent Projects

2.All projects

3.Project details

a.View the model

b.Download the model

c.Beautify the model

d.Print the model

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any inte rference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interferenceto radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.