

COMPUTERIZED VISION TESTER
OPERATOR' S MANUAL

KF-ZD6000

Operation environment of optometer control software

Function description of optometer control software optometer control software is a tablet control software based on Android system. It controls the optometry system to perform specified operations, interacts with customers, carries out optometry analysis and diagnosis, and finally generates optometry report and provides corresponding Glasses Prescription. Through the WiFi module, the optometer control software takes the tablet computer as the center, and forms the isolated units in the traditional optometry system, such as the operation end, the optical head, the computer optometer, the liquid crystal visual acuity chart and the prescription printer, into a WiFi LAN, which realizes the real-time data transmission and forms an organic whole. Through the way of WiFi communication, the more rapid and stable lens combination control of the optometer is realized, the accurate and rapid combination of spherical lens power, cylindrical lens power, axial position and prism power is realized, and the fast switching of special auxiliary lenses is realized: the optometry of the computer optometer is quickly read and loaded; Realize the sensitive and reliable control of LCD visual acuity chart: realize the reliable output of printing information of prescription printer. The optometrist control software provides a more comprehensive, convenient and powerful optometry and auxiliary system for optometrists. Through the touch operation of the tablet computer, the rapid optometry lens combination switching operation is realized: by providing a user-defined program editing system, some optometrists' optometry experience can be saved in the form of program steps, which greatly improves the optometry efficiency: by enriching and perfecting the operation of the liquid crystal visual acuity chart, the visual acuity chart can be directly switched to the specified state, The flexible control operation of LCD visual acuity chart is realized, and the user-defined visual acuity chart editing function is introduced to greatly improve the efficiency of optometry: the optometry results are completely saved and shared in real time by establishing a customer data database, so as to push the traditional optometry to the Internet data age. The optometer control software gives a new interpretation of the traditional optometry process, integrates the advanced mobile terminal into the modern optometry system, and integrates the ideas of optometrists' personality customization and the Internet data age, bringing a fast, fashionable and scientific optometry experience.

Kingfisher manufacture CO,.LTD.

1. Introduction

Computerized vision tester is used to subjective examination of visual acuity and refractive error of subject's eyes.

1.1 Classify

Model number: KF-ZD6000

Security category: I class Medical electrical equipment

1.2 Storage and transport environment conditions

a) temperature: $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$

b) Air pressure: $700\text{hPa} \sim 1060\text{hPa}$ (transport), $500\text{hPa} \sim 1060\text{hPa}$ (storage)

c) Humidity: $10\% \sim 85\%$

1.3 Working environment condition

a) temperature: $10^{\circ}\text{C} \sim 40^{\circ}\text{C}$

b) Air pressure: $800\text{hPa} \sim 1060\text{hPa}$

c) Humidity: $10\% \sim 80\%$

1.4 Power adapter requirement

a) input: AC $100-240\text{V} \sim 50/60\text{Hz}$

b) output: DC $24\text{V} 2.5\text{A} 85\text{VA}$

2. Main performance index

2.1 Measurement range

a) Sphere: $+16.75\text{D} \sim -19.00\text{D}$;

b) Cylinder: $0 \sim -6.00\text{D}$;

c) Axis: $0 \sim 180^{\circ}$;

d) Prism: $0\Delta \sim 20\Delta$;

e) Prism base: $0 \sim 360^{\circ}$;

f) PD range: $50 \sim 80\text{mm}$;

2.2 Step

a) Sphere: $0.25\text{D}/0.5\text{D}/1.0\text{D}/3.0\text{D}$;

b) Cylinder: 0.25D ;

- c) Axis: $1^{\circ} / 5^{\circ}$;
- d) Prism: 0.1cm/m;
- e) Prism base: 1° ;
- f) PD range: 0.5cm;

2.3 Tolerance

- a) The tolerance of sphere should accord with the requirement table 1.1

Table 1.1 sphere tolerance

item	Standard	tolerance	Tolerance $ s_1-s_2 $
球镜度 \ddot{O} (D)	$0 \leq \ddot{O} \leq 3.00$	± 0.06	0.03
	$3.00 < \ddot{O} \leq 6.00$	± 0.09	
	$6.00 < \ddot{O} \leq 9.00$	± 0.12	
	$9.00 < \ddot{O} \leq 12.00$	± 0.15	
	$12.00 < \ddot{O} \leq 15.00$	± 0.18	
	$15.00 < \ddot{O} $	± 0.25	

Table 1.2 Astigmatic power tolerance

Meridian direction Maximum absolute dioper	Astigmatic power nominal diopter				
	≤ 0.50	$>0.50 \sim 1.00$	$>1.00 \sim 3.00$	$>3.00 \sim 6.00$	>6.00
	Tolerance D				
0.00~5.00	0.06	0.06	0.06	0.09	0.12
>5.00~10.00			0.09	0.12	0.18
>10.00~15.00		0.09	0.12	0.18	0.25
>15.00			0.12	0.18	0.25

Table 1.3 Cylinder axis and prism base tolerance

item	Nominal diopter (Absolute)	Tolerance
Cylinder axis	$>0D \sim 0.25D$	$\pm 5^{\circ}$
	$>0.25D \sim 1D$	$\pm 3^{\circ}$
	$>1D$	$\pm 2^{\circ}$
Prism base	$\leq 1\text{cm/m}$	$\pm 5^{\circ}$
	$>1\text{cm/m} \sim 10\text{cm/m}$	$\pm 3^{\circ}$
	$>10\text{cm/m}$	$\pm 2^{\circ}$
PD&VD (mm)	VD	± 0.5
	PD	± 0.5

Table 1.4 optical center tolerance of mechanical system of sphere and cylinder combinative optical system

Nominal diopter(Absolute)D	Tolerance (cm/m)
0.00	0.12
>0.00~6.00	0.25
>6.00~12.00	0.37
>12.00	0.50

2.1 Function introduction

2.1 The minimum aperture of all lenses of the optometer shall not be less than 16mm; For prisms of 6cm / M and above, the minimum luminous aperture can be reduced to 11mm.

2.1.2 There are mirror eye distance monitoring windows on both sides of the instrument of the comprehensive optometer. Through the mirror eye distance monitoring window, it can be observed that a dividing plate is engraved with a long line and three short lines, and the spacing between two adjacent lines is 2mm. The position of the anterior apex of human cornea should be on the long line of the dividing plate, which is the reference plane of the instrument of the comprehensive optometer.

2.1.3 The comprehensive optometer shall be equipped with a covering and splitting device, and each system shall be equipped with a Jackson cross column mirror;

2.1.4 There is no stray light interference or structural occlusion in

the observation optical path of the optometer.

2.1.5 The structure of lens cavity shall not affect the examination of patients' visual function;

2.1.6 When the lens and accessories are fixed in front of the observation hole, the instrument shall be aligned and centered.

2.1.7 The operation keys of the optometer shall be clearly marked. When pressing the keys, the instrument function or state shall change to normal.

2.1.8 When the optometer has WiFi function, the communication is effective at 10m.

3 Security considerations

3.1 Security identity

In this manual, the words used to indicate the degree or level of safety alarm are defined as follows:

Warning: indicates a potentially dangerous situation that, if not avoided, may result in death or serious injury

Note: it indicates a potential dangerous situation. If it cannot be avoided, it may lead to slight or medium injury or property loss. Under certain conditions, even if the situation is attention, it may lead to serious injury. Therefore, safety precautions must be strictly observed at all times

Safety precautions before use

warning

1. Make sure the optometer is fixed on the support arm of the
2. If the optometer drops or falls, it may cause personal injury or equipment failure.
3. Ensure that the power box is installed and placed vertically according to the method shown in Figure 1 in 1.2 classification in this manual.

caution

1. Safety precautions and operating procedures must be thoroughly understood before using the equipment

2. Unexpected use may lead to unexpected failure or adverse results.

3. The equipment shall not be exposed to rain, water or fog.
Do not place containers containing liquid or gas on the top of the instrument.

4. The storage environment shall not be in dusty, hot, humid places or direct sunlight

5. Do not carry the equipment to another place alone, which may damage the back or slide the equipment

6. Install the equipment on a stable and horizontal table. If the equipment slips, it may cause injury or equipment damage Do not install equipment where there is water. Contact with liquid may cause electric shock or equipment failure

7. Please install the equipment in an environment that meets the following conditions. The following conditions must also be met in the use of the equipment.

a) temperature: $10^{\circ}\text{C} \sim 40^{\circ}\text{C}$

b) Air pressure: $800\text{hpa} \sim 1060\text{hpa}$

c) Humidity: $10\% \sim 80\%$

Installation position: dust-free and clean dark light room

Place free from vibration and impact

8. Be sure to adjust the horizontal refractometer before use.

If the refractometer is not installed horizontally, it may affect the accuracy of the data. The level adjustment knob is used to calibrate the refractometer until the foam concentration is at the level.

9. Be sure to use sockets that meet the requirements of equipment voltage parameters. If the voltage is too high or too low, the equipment cannot operate normally, and the fault may cause fire

10. To avoid the risk of electric shock, the equipment must be connected to the power supply with protective grounding.

11. Do not overload the socket, which may cause fire

12. Fully insert the power plug into the socket.

13. Improper connection may cause fire.

14. Do not use any power cord other than equipment, which may cause failure or fire.

15. Do not place heavy objects on the power cord.

15. Damaged power cord may cause fire or electric shock.

16. When installing and operating the equipment, observe the following EMC instructions (electromagnetic compatibility):

It cannot be used together with other electronic equipment to avoid electromagnetic interference between equipment operation and other electronic equipment

It cannot be used in the same room with other equipment, including life support equipment, other equipment that has a significant impact on the patient's life and treatment results, and measuring or therapeutic instruments containing small current

It cannot be used simultaneously with the equipment of portable and mobile radio frequency communication systems, because the electromagnetic interference they emit may adversely affect the operation of the device.

Do not use cables and accessories not specified by the company, which may increase the electromagnetic wave emission of the equipment or system and reduce the anti electromagnetic interference ability of the device. If there is potential electromagnetic interference between the equipment and other equipment, shielding measures shall be taken or the installation position of the equipment shall be changed to reduce the possible interference

Maintenance and inspection

Any repair and service of this instrument must be provided by personnel trained by Hangzhou Jingfei Optical Instrument Manufacturing Co., Ltd. Be able to operate correctly and maintain by experienced personnel or dealers. Removing the safety screw may cause the instrument to separate from the support arm and cause serious injury. Do not open the outer cover of the instrument or try to repair any internal parts. Any maintenance and service of the equipment must be carried out by experienced staff of Hangzhou Jingfei Optical Instrument Manufacturing Co., Ltd. or authorized distributors trained by Hangzhou Jingfei Optical Instrument Manufacturing Co., Ltd

The adjustment of the instrument must be carried out by the technical service personnel or other authorized personnel of Hangzhou Jingfei Optical Instrument Manufacturing Co., Ltd

The use and operation of the optometer must be in strict accordance with the instructions in the user's Guide. If it is not used in the way specified by Hangzhou Jingfei Optical Instrument Manufacturing Co., Ltd., the patient's safety and the normal operation of the instrument will not be guaranteed

Do not use solvent or strong cleaning solution on any part of the instrument, otherwise the instrument may be damaged

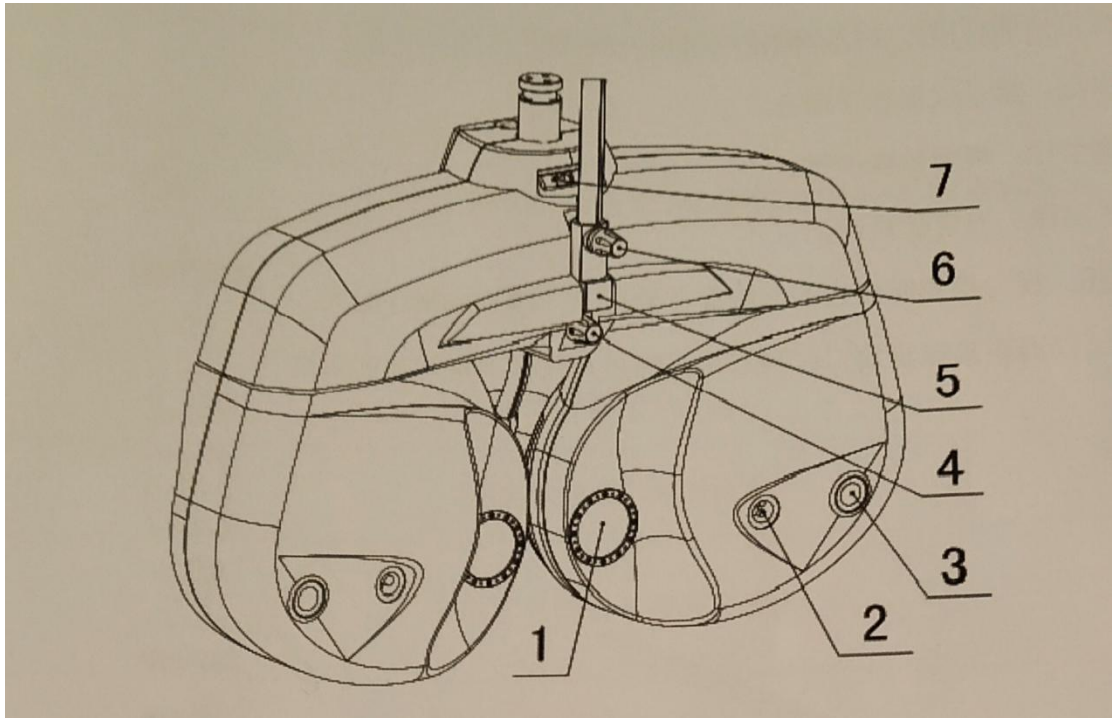
Do not use organic solvents such as paint thinner to clean the outside of the equipment, which can damage the surface of the equipment

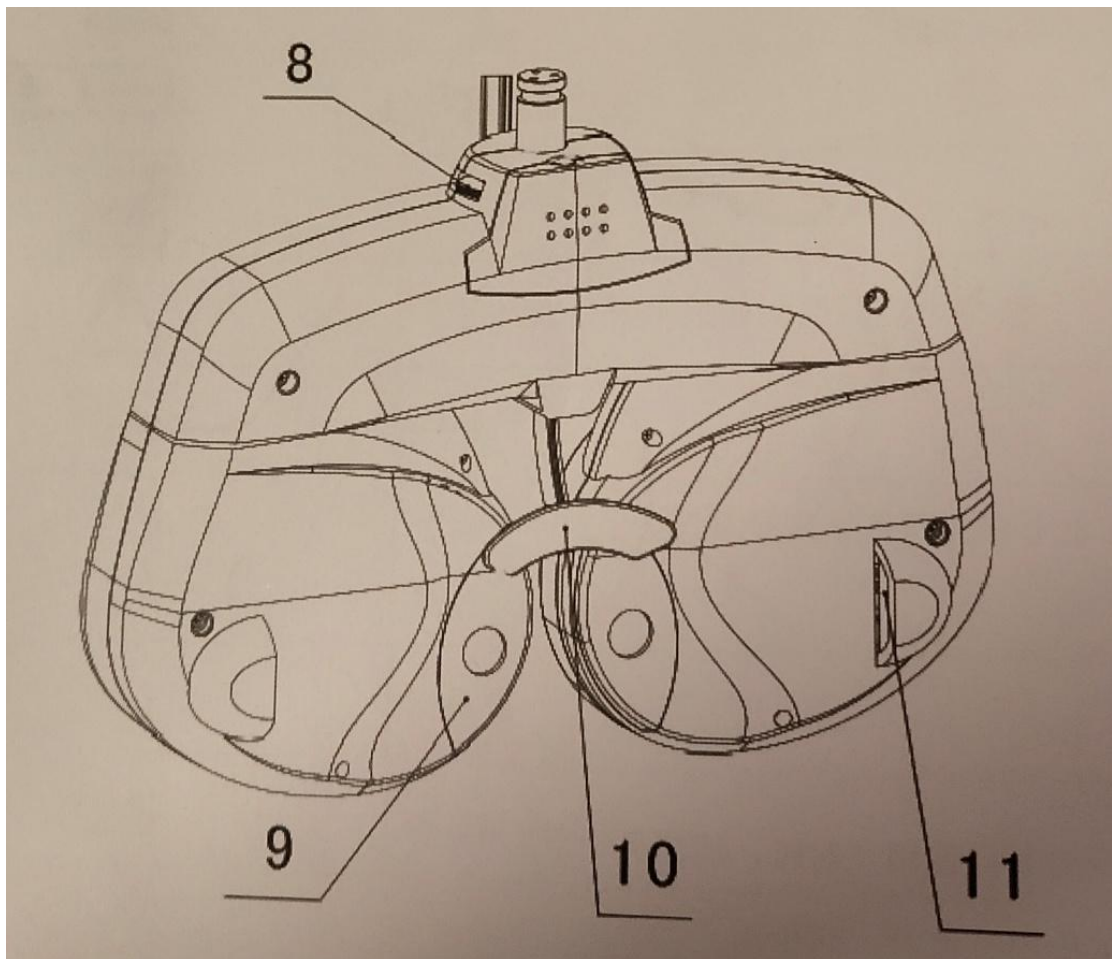
Do not immerse the optometer in liquid, otherwise it will cause damage to the instrument.

Avoid touching the optical components of the instrument to prevent performance degradation caused by fingerprints or oil stains on the lens group. Note: pixels may occasionally disappear or appear red, blue or green pixels on the screen. This does not mean that the LCD panel is broken: it is caused by the LCD screen in the production process.

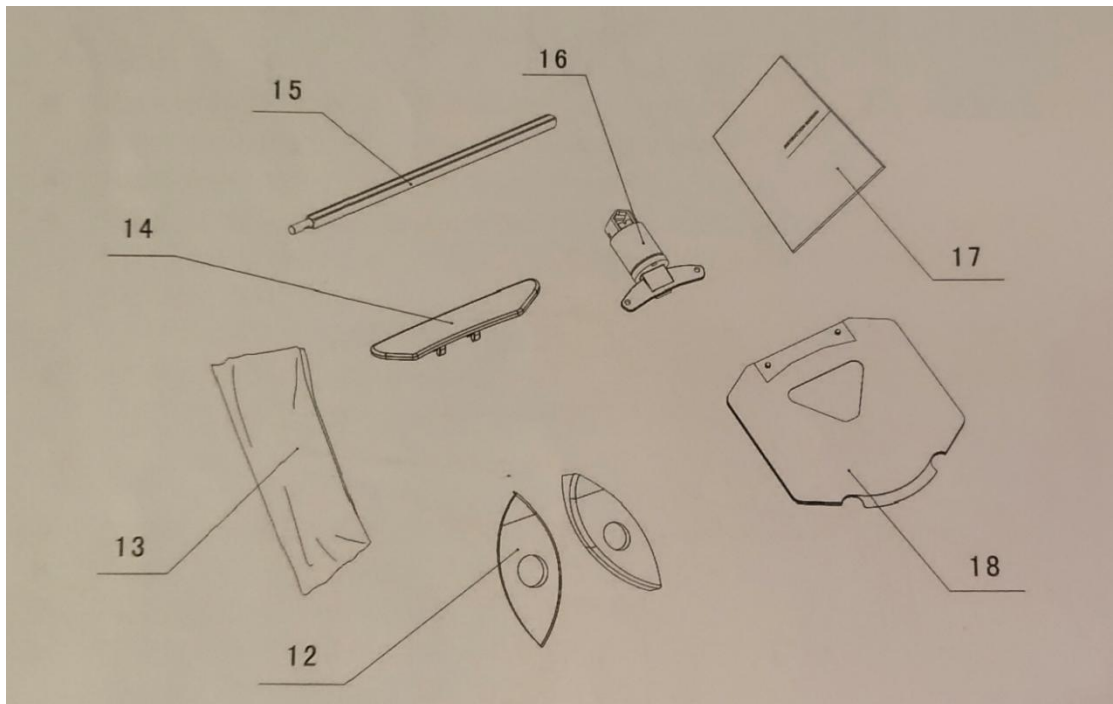
4. Configuration

4.1 Refractor head configuration





- (1) Examination window: The patient's eyes are observed through the window, and patient observe charts through the window.
- (2) Near vision illumination: Light up when bear vision testing, light off when far vision testing.
- (3) Corneal aligning windows: The position of patient's cornea can be observed through the window.
- (4) Forehead rest adjust knob: Moves the forehead rest forward and backward in order to adjust the VD.
- (5) Near-point rod holder: the near_point rod is inserted and attached here.
- (6) Near_point rod clamp screw.....Fix the near-point rod.
- (7) spirit level..... Used to confirm that the refractor head.
- (8) Leveling knob.....Adjust the level of the reractor head.
- (9) Forehead rest magnet.....Fix the face shield.
- (10) forehead restThe patient's forehead rests here when test.
- (11) Cornea alignment scale.....Measures the VD.
- (12) Face shield(2sets)..... Attached to the instrument to put the patient's face in place, use one while the other is being sterilized
- (13) Dust cover..... Covers and protects the instrument body from Dust and dirt during storage.



(14) Forehead rest (2 sets)The patient's forehead rests here.

Detachable by a touch use one while the other is being sterilized
 (15) Near-point rod.....The card holder is attached at the near point examination

(16) Card holder.....The near-point card is attached

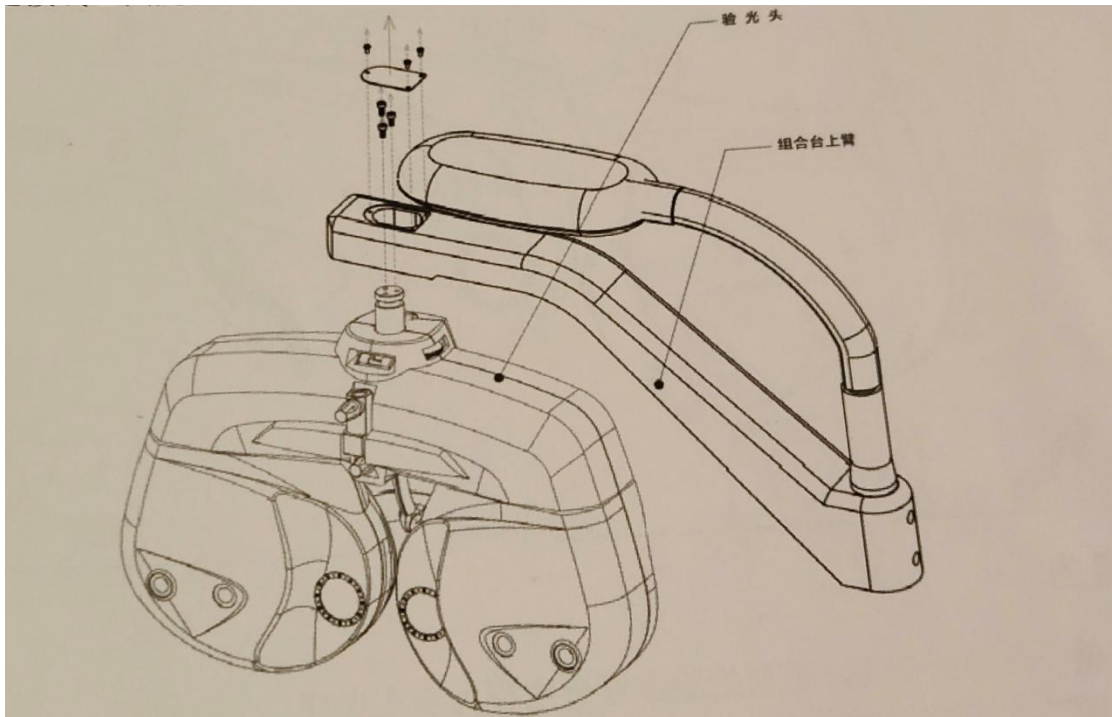
(17) Operator's manual.....Describes instructions about handling the instrument

(18) Near-point card.....Contains the near-point charts, for testing the near vision

(19) Dust cover.....used for dust prevention of instruments during storage

5. Ready use

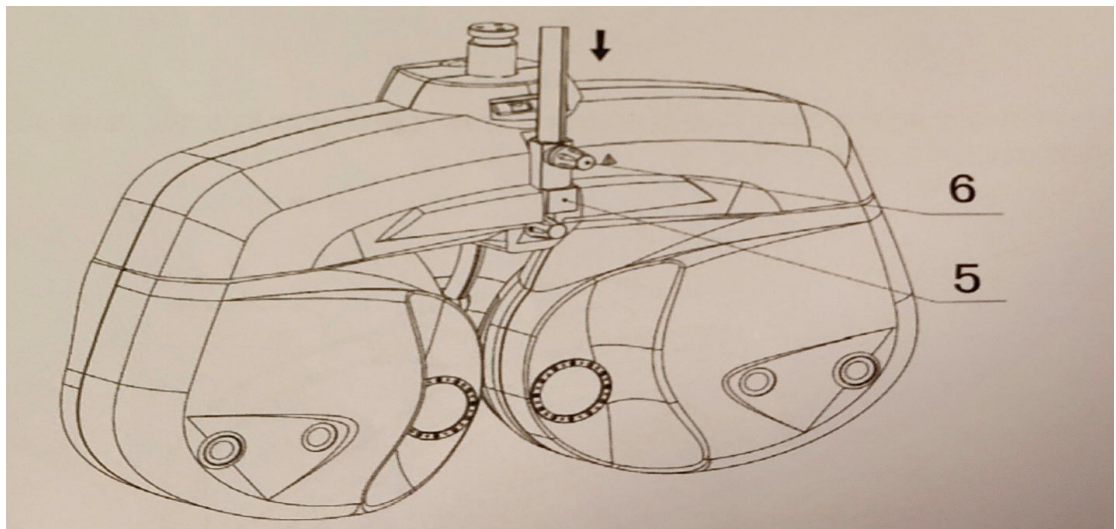
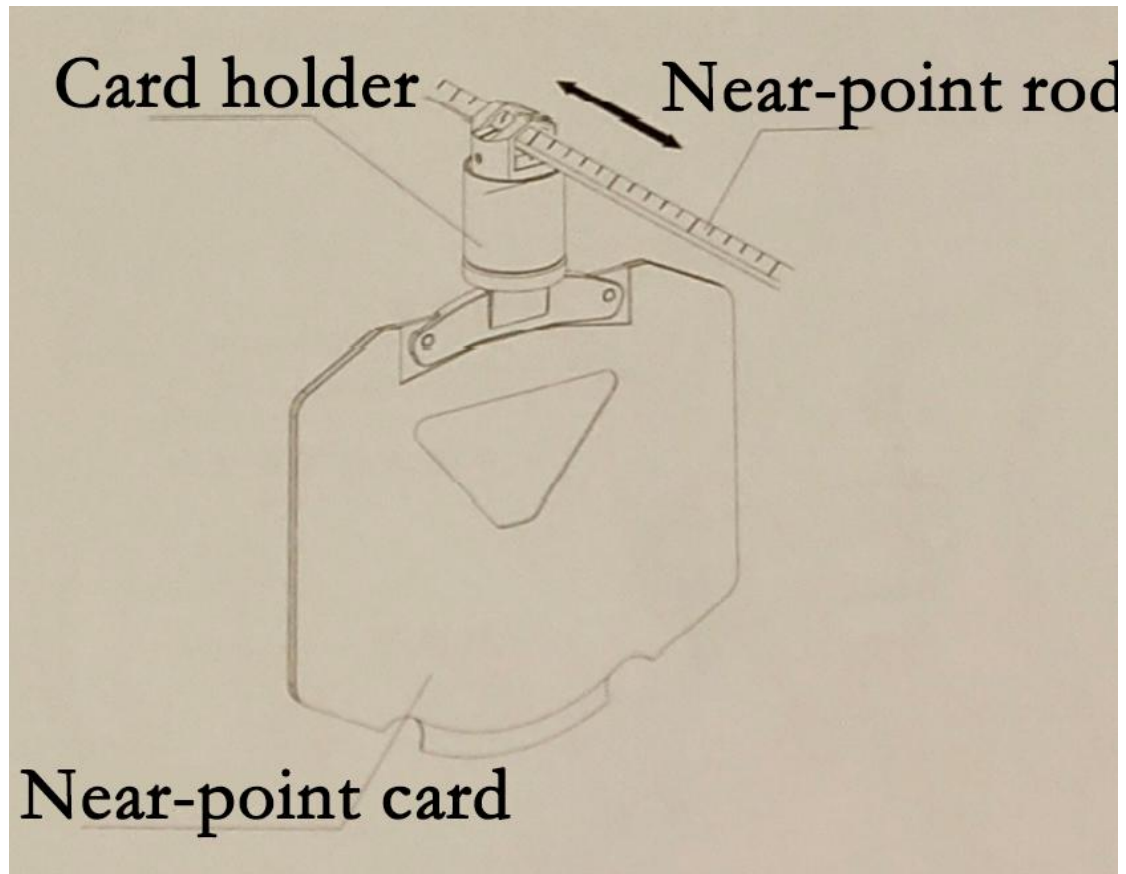
4.1 Setup connection of the device.



It shall be installed by professional personnel of the company or personnel trained and authorized by the company

It shall be used together with other supports or other combination tables, and the connectors provided by the company shall be equipped during installation. As shown in the figure, it is fixed on the support or other combined arms. After the main engine is connected, adjust the horizontal adjustment knob to adjust the main engine to maintain its level. The forehead support is facing the patient.

Installation of near vision
chart

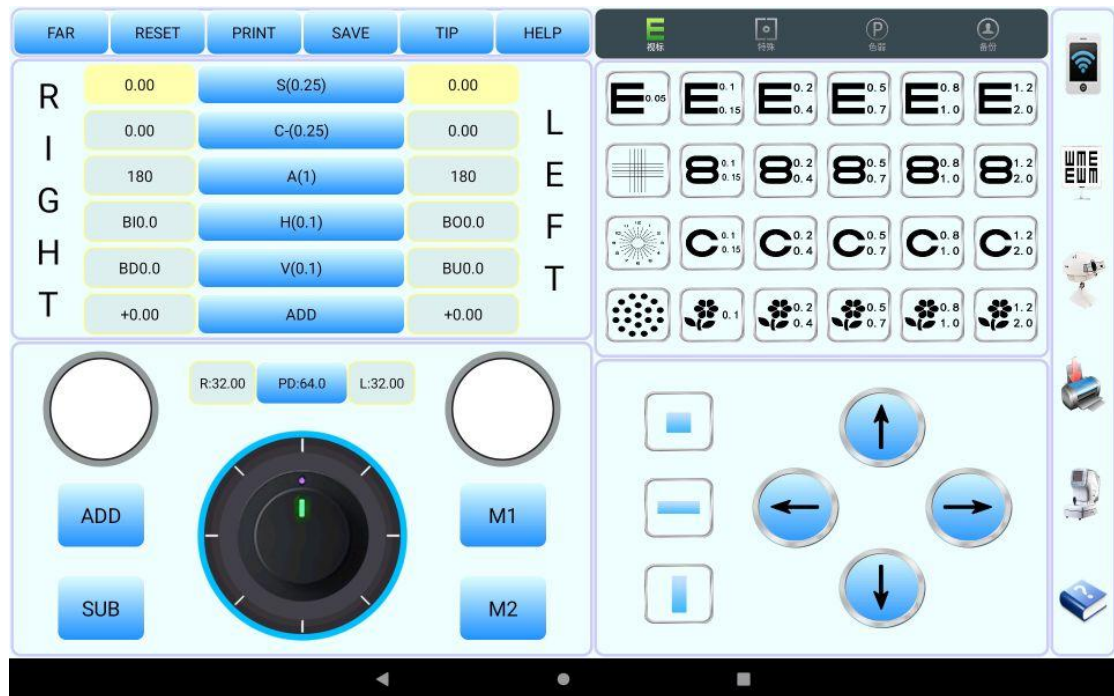


Before using the instrument, the supporting rod of the visual acuity chart, the clamp seat of the near visual acuity chart and the near visual acuity chart shall be installed first

Insert the near vision chart holder into the top of the support rod. The clamp seat shall be able to slide with the extension rod.

Tablet application interface and function introduction

Main interface: operation program the main interface is divided into three parts: optometer operation and data display area, LCD visual acuity chart operation area and system status and menu area. The layout of the main interface and the distribution of the above three parts in the main interface are shown in the figure.



Optometer operation and data display area

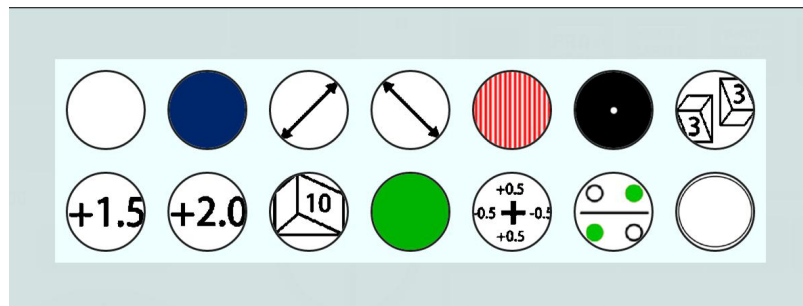
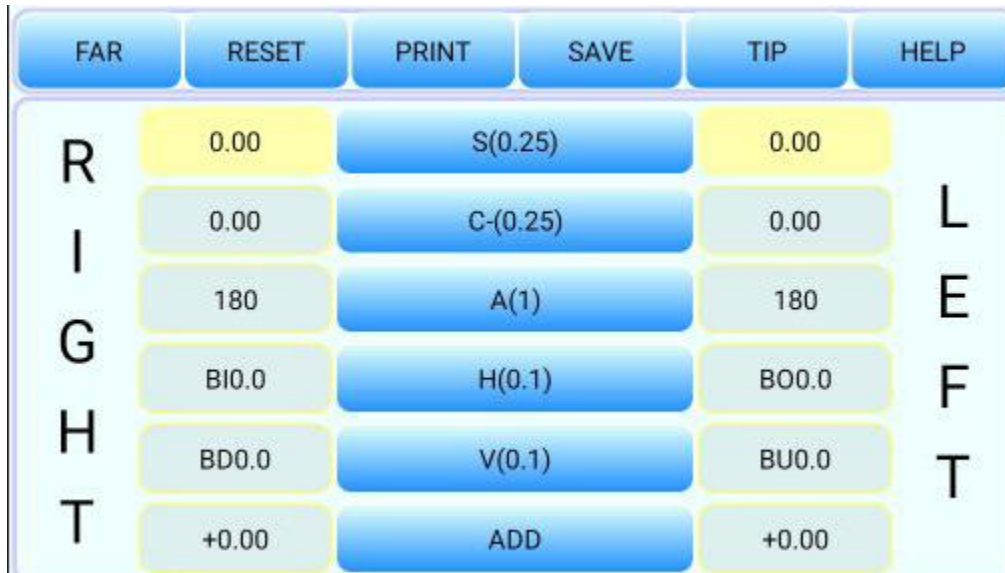
The optometer operation and data display area are shown in the figure below.



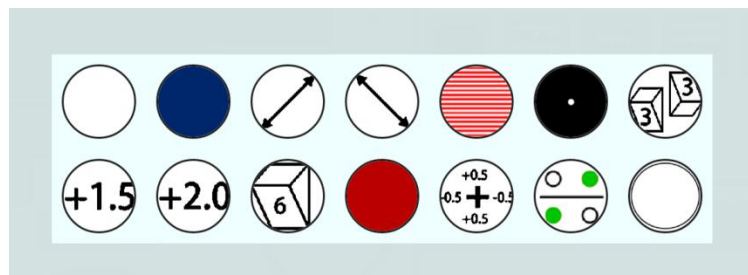
The data display area of the optometer mainly has two functions.

1. Display of lens parameters of optometer
2. Realize the selection of project status and parameters of refractometer

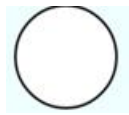
The detailed block of the optometer is shown in the figure below:



Left eye auxiliary lens selection interface



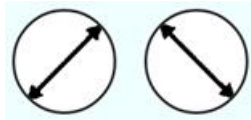
Right eye auxiliary lens selection interface



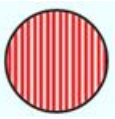
Open aperture



Shading plate



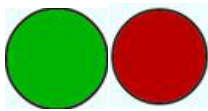
Linear polarizer



Vertical Markov rod



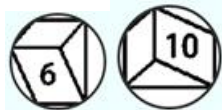
Horizontal Markov rod



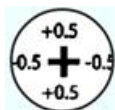
Left eye green filter right eye red filter



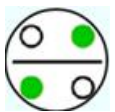
Pinhole plate



Left eye 10 Δ prism right eye 6 Δ prism



Fixed cross column lens



Crossed column mirror



Circular polarizer

Instrument operation

Fog inspection

1、 The spherical mirror degree of the right eye is manually set at a place + 3.00d higher than the approximate degree, because the

customer's current right eye degree is -1.00d , which becomes $+2.00\text{d}$ after adding $+3.00$

2、 At this time, the visual acuity value should be lower than 0.1. Manually project a visual acuity icon, and then gradually adjust the degree to reduce the spherical lens degree by 0.25D , from $+200\text{D}$ to $+1.76\text{d}$, and then to $+500$ until his visual acuity value is about 0.5.

3、 Call up the radiation vision chart radiation vision chart and ask the customer "do you have any lines that look particularly clear? If the customer answers "all look the same", it means that there is no astigmatism. After the measurement, if the customer answers "one line looks particularly clear", multiply 30° by the small number of the line that looks the most clear. This value is a negative correction value. For example, if the third line looks clear, it is $3 \times 30^\circ = 90^\circ$

4、 Adjust the astigmatism axis, adjust the astigmatism, transfer from 0 to -0.25 , and then adjust to -0.50 until every line is clear.

5、 Change the ball mirror in gear 1 of 0.25D .

The customer has myopia, and the spherical lens degree is -1.75d . After general inspection, his degree is shown in the figure below.

Accurately check the astigmatism axis position and degree

one Manually select the point group sight mark, and the cross cylindrical mirror is automatically applied to the right eye; Or cross the cylindrical lens from the auxiliary lens, with a single line of sight, or press M1 or M2 directly into the cross column mirror. Automatically jump to a, and first accurately measure the astigmatism axis position.

two Precise astigmatism axis position: press M1 or m2 to exchange both sides of the cross column mirror, so that the customer can distinguish which side to see more clearly under the payment request. If M1 is clearer, it is allowed to press the plus button above the button. If M2 is clearer, it is necessary to press the minus button above the button, and the equipment will automatically change the astigmatism axis position. After pressing, repeat the above steps by pressing M1 and M2 until they think that the clarity of both sides is almost the same, and then the accurate astigmatism can be obtained.

three Accurate astigmatism degree: after accurate astigmatism axis position, press C (-) to accurately calculate the astigmatism degree (keep the right cross column mirror state). Press M1 or m2 to change both sides of the cross column mirror, so that the customer can distinguish which side he sees more clearly. If M1 is clearer, press the plus button above the button. If M2 is clearer, press the minus button above the button, The device automatically changes the astigmatism. After pressing, repeat the above steps by pressing M1 and M2 until they think that the clarity of both sides is almost the

same, and then the accurate astigmatism can be obtained. When the astigmatism degree is changed, the equipment can automatically carry out ball column linkage, that is, the column mirror is changed to $\pm 0.50\text{dc}$, the ball mirror is automatically changed to $\pm 0.25\text{ds}$, and the result is: $-0.50\text{dc} \times 100^\circ$

four After the accurate measurement of astigmatism axis position and astigmatism degree is completed, it will be removed automatically according to any visual acuity charts (0.25) cross cylindrical mirror

Accurately measure whether there is any deviation in the sphericity

(red and green test is used in this method. If the red and green test is not applicable to any customer, whether there is deviation can be



determined directly according to the visual acuity)

Project red and green icons and ask the customer which word in the red and green picture can be seen more clearly. The customer says that the green is slightly clearer, which means that myopia is over corrected, so the spherical mirror degree is increased, $+0.25\text{D}$. Or press the Add button directly, and the equipment will automatically complete the increase, and then ask the customer. His answer in red is a little clearer, which means that myopia is not corrected, increase -0.25d , or press the decrease button directly, and the equipment will automatically complete the decrease. It indicates that the degree of the customer should be between -1.50d and -1.75d , and whether it is high or low should be selected according to the requirements and purpose of the customer's glasses. The screen displays.



Fiscal Year 2022

FDA Registration Confirmation

Manufacturer: SHANGHAI TOP VIEW INDUSTRIAL CO.,LTD

Address: No.3388 GongHeXin Road,JingAn Shanghai , CN 200436

US Agent: Regrek LLC

Address: 19 Holly Cove Ln.,Dover, Delaware, 19901, UNITED STATES

The facility registration and device listing information:

Registration Number:3012707847 **Owner/Operator Number:** 10059986

Device Listing#: See annex

This attestation does not denote endorsement or approval of the attestation-holder's device or establishment by the U.S. Food and Drug Administration.

Pursuant to 21 CFR 807.39, "Registration of a device establishment or assignment of a registration number does not in any way denote approval of the establishment or its products. Any representation that creates an impression of official approval because of registration or possession of a registration number is misleading and constitutes misbranding." The U.S. Food and Drug Administration does not issue an attestation of registration, nor does the U.S. Food and Drug Administration recognize an attestation of registration.


Authorized Signature(s)

Signature:

Place: China/ Shanghai

Expiration Date: Dec. 31. 2021



FDA Registration Confirmation

ANNEX:

Listing No	Code	Device Name
D345115	HKO	Refractometer, ophthalmic (TPV800 handheld refractor; TPV series auto refractometer)
D345116	HKN	Refractor, manual, non-powered, including phoropter (phoropter)
D345117	HKZ	Sterilizer, tonometer (TPV500 tonometer)
D345118	PJZ	Camera, ophthalmic, general-use (Hand-held Fundus Camera; TPV series Digital Fundus Camera)
D345119	PUE	Biomicroscope, slit-lamp, AC-powered, exempt (TPV series slit lamp)
D345120	HRJ	Table, instrument, powered, ophthalmic (Ophthalmic unit)
D345121	HLM	Instrument, measuring, lens, ac-powered (TPV series lens meter)
D345122	HPA	Frame, trial, ophthalmic (trial frame)
D345123	HPC	Set, lens, trial, ophthalmic (trial lens set)
D345124	HOX	Chart, visual acuity (visual charter)
D345125	HPT	Perimeter, automatic, ac-powered (perimeter)
D345341	HOS	Projector, ophthalmic (projector charter)
D345342	HLH	Pupillometer, manual (pupillometer)
D345343	HRM	MICROSCOPE, OPERATING & ACCESSORIES, AC-POWERED, OPHTHALMIC (operating microscope)

D345344	KZA	DEVICE, VEIN LOCATION, LIQUID CRYSTAL (vein finder)
D366893	HLJ	Ophthalmoscope, battery-powered (ophthalmoscope retinoscope)
D366894	MDM	INSTRUMENT, MANUAL, SURGICAL, GENERAL USE (ophthalmic surgical instrument)
D366895	MMQ	Topographer, corneal, ac-powered (cornealtopographer)

END OF THE ANNEX


Authorized Signature(s)

Signature:

Place: China/ Shanghai

Expiration Date: Dec. 31. 2021



Alibaba.com verified Supplier



Assessment Report

Presented to

Shanghai Top View Industrial Co., Ltd.

上海拓扑威实业有限公司

Gold Supplier & Assessed Company Relationship:	<input checked="" type="checkbox"/> Self-owned <input type="checkbox"/> Wholly Owned <input type="checkbox"/> Shareholder/Partner <input type="checkbox"/> Cooperation Partner
Company Address	Room 906, Yongding Plaza, No. 3388, Gonghe New Road, Jingan District, Shanghai, China
City / Country:	Shanghai / China
Consigner of Assessment:	Alibaba
Gold Supplier Member ID:	shtopview
Gold Supplier Company Name:	Shanghai Top View Industrial Co., Ltd.
Contact Person:	Mr. Tao Shangguan
Phone Number:	0086-21-61178155
Fax Number:	N/A
Email:	info@shtopview.com
Website Address (URL):	https://shtopview.en.alibaba.com

Service Provided by Intertek

Report No.: 22069995_T





Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

Report Number:	22069995_T	Assessment Type	Trading Assessment
Date of Assessment:	31/Aug./2021	Report Date:	31/Aug./2021
Assessor's Name:	Zad Zhang	Validity Period:	01/Sep./2021 - 31/Aug./2022
Reviewed By:	Mack Long	Online Verification:	https://www.intertek.com.cn/ASVService/Home/IndexCN

Important Notes:

Intertek's Disclaimer:

This report reflects our findings for the particularly concerned company on the date of our service only. This report does not discharge or release the factory/sellers/suppliers from their commercial, legal or contractual obligations with buyers in respect of products provided by the factory/sellers/suppliers. Any reader other than the party for whom this report has been specifically issued is hereby informed that the general conditions of service of contain liability limitation provisions.

Alibaba.com's Disclaimer:

This report has been independently prepared by a third party verification agency. The report is provided on an "AS IS" and "AS AVAILABLE" basis. The information contained in the report may change without notice and no obligation is assumed to update the information after publication. Alibaba (including its affiliates) is not involved in the preparation of the report. Publishing of the report by no means that Alibaba endorses or recommends the report. Therefore, Alibaba cannot be held responsible for any inaccuracy or omission in the report.

To the maximum extent permitted by law, Alibaba expressly disclaims any warranty, expressed or implied, in regard to the report, including any implied warranty of merchantability, fitness for a particular purpose or non-infringement. Your use of or reliance on this report will be at your own discretion and risk. To the maximum extent permitted by law, in no event shall Alibaba be liable for any party for any direct, indirect, punitive, incidental, special or consequential damage costs, expenses, legal fees or losses or any damages whatsoever arising out of or in any way connected with any use of the report even if advised of the possibility of such damages.

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	2 of 25



Contents

Section 1: Company Overview.....	5
1.1 Legal Validity.....	5
Section 2: Human Resources	6
2.1 Company Chart	6
2.2 Employee Headcount	6
2.3 Management.....	6
Section 3: Current Export Situation	7
Section 4: Export Business Capacity.....	9
4.1 Market Distribution (Previous 12 Months)	9
4.2 Main Clients.....	10
Section 5: Quality Assurance	11
5.1.1 Quality Management System Certification	11
5.1.2 Product Certification	11
5.2 Supplier Management	11
5.3 After Sales Service	12
5.4 Overseas After Sales Service.....	12
Section 6: R & D Capacity	13
6.1 Current Situation	13
6.2 R&D Real Case Description	14
6.3 Design Process	15
6.4 Design Devices	15
Section 7: Company Development / Expansion Plans	16
Section 8: Certification & Photos	17
Section 9: Company and Product Samples	19
Section 10: Competitive Advantages	21
10.1 Product Group Capacity	21

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	3 of 25



Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

10.2 Real Case for Lower MOQ & Lead Time	21
10.3 Real Case for Large Contract	22
10.4 Overseas after-sales service capacity.....	22
10.5 After-sales service capacity	22
Section 11: Service Capabilities	24
11.1 Experience with Large-scale Procurement Contracts	24
11.2 Overseas Showroom	24
11.3 Offline Trade Show	24
Section 12: Supply Chain Capability	25
12.1 Centralized Procurement	25
12.2 Overseas Warehouse	25

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	4 of 25



Section 1: Company Overview

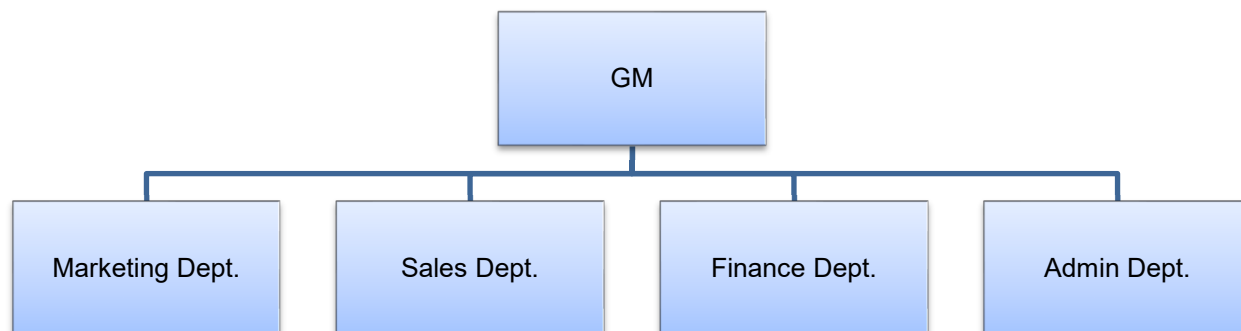
Company Overview			
1.1 Legal Validity			
Does the company have a valid business license?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Business License Number:	9131011506602810 2F
Year Established:	18/Apr./2013	Validity Period:	18/Apr./2013-17/Apr./2033
Export Experience:	8 Years	Industry Experience:	8 Years
Registered Address:	Room 150, Building 3, No. 2558, Zhouzhu Road, Pudong New Area, Shanghai, China		
Company Address:	Room 906, Yongding Plaza, No. 3388, Gonghe New Road, Jingan District, Shanghai, China		
Is It Listed Company?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Company Stock Code:	N/A
Annual review conducted by the Industrial & Commercial Bureau?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewed By:	Market Supervision Administration Bureau of Pudong New Area, Shanghai
Registered Capital:	RMB 2,000,000		
Corporate Representative:	Mr. Tao Shangguan		
Industry:	Optical Instrument		
Business Type:	<input type="checkbox"/> Manufacturer <input checked="" type="checkbox"/> Trading Company <input type="checkbox"/> Manufacturer & Trading Company		
Type of Ownership:	<input checked="" type="checkbox"/> Private Owner <input type="checkbox"/> Public Company <input type="checkbox"/> Joint Venture <input type="checkbox"/> Stated Owned <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other		
Products /Service:	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer		
1.2 Company Building Information			
Certification Type: <input type="checkbox"/> Land Certification <input type="checkbox"/> Real Estate Certification <input checked="" type="checkbox"/> Lease Agreement <input type="checkbox"/> Factory Officer Claimed			
Total Building Size:	326 m2		
Office Size:	326 m2		



Section 2: Human Resources

Human Resources

2.1 Company Chart



2.2 Employee Headcount

Department Name	Full Time Employee(s)	Part-Time Employee(s)	Total
GM	1	0	1
Marketing Dept.	4	0	4
Sales Dept.	8	0	8
Finance Dept.	1	0	1
Admin Dept.	1	0	1
Total Number:	15	0	15

2.3 Management

Department	Name	Title	Education	Year(s) in Current Company
Confidential	Confidential	Confidential	Confidential	Confidential



Section 3: Current Export Situation

Current Export Situation							
There are <u>8</u> foreign trading employee(s) in the company.							
	Working Experience	Headcount		Accepted Language	Listening & Speaking	Reading & Writing	
	Over 30 Years	0		English	Yes	Yes	
	21-30Years	0		N/A	N/A	N/A	
	11-20 Years	0		N/A	N/A	N/A	
	6-10 Years	0		N/A	N/A	N/A	
	2-5 Years	8		N/A	N/A	N/A	
	Less than 2 years	0		N/A	N/A	N/A	
Does the company have a valid export license?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Export License Registration No.:				01314518			
Total Revenue (Previous Year, USD):				Confidential			
Total Export Revenue (Previous Year, USD):				c			
Estimated Export Revenue (Current Year, USD):				Confidential			
Trade Agents Employed Overseas:				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Nearest Port:				Shanghai Port			
Accepted Payment Terms				<input checked="" type="checkbox"/> FOB <input checked="" type="checkbox"/> CIF <input checked="" type="checkbox"/> EXW <input checked="" type="checkbox"/> CFR			
Accepted Payment Type:				<input checked="" type="checkbox"/> L/C <input checked="" type="checkbox"/> T/T <input checked="" type="checkbox"/> Credit Card <input checked="" type="checkbox"/> Cash <input checked="" type="checkbox"/> West Union <input checked="" type="checkbox"/> Money Gram <input checked="" type="checkbox"/> Paypal <input checked="" type="checkbox"/> Moneybookers			
Average lead time from product order confirmation to production delivery (products exiting the factory):							
Product Category				Num		Unit	
Auto Lens Meter				3		Days	
Slit Lamp				3		Days	
3D Auto Lens Edger				3		Days	
Rebound Tonometer				3		Days	
Auto Refractometer				3		Days	
Average Sampling Time							
Product Category				Lead Time			
Auto Lens Meter				3 Days			
Slit Lamp				3 Days			
3D Auto Lens Edger				3 Days			



Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

Rebound Tonometer	3 Days
Auto Refractometer	3 Days
The Shortest Sampling Time	
Product Category	Shortest Lead Time
Auto Lens Meter	3 Days
Slit Lamp	3 Days
3D Auto Lens Edger	3 Days
Rebound Tonometer	3 Days
Auto Refractometer	3 Days



Section 4: Export Business Capacity

Export Business Capacity			
4.1 Market Distribution (Previous 12 Months)			
Market	Main Product(s)	Revenue (USD)	Total Revenue (%)
North America	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
South America	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	50
Eastern Europe	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2
Southeast Asia	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
Africa	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
Oceania	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2
Mid East	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
Eastern Asia	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
Western Europe	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	10
Central America	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2



Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

Northern Europe	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2
Southern Europe	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2
South Asia	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5

4.2 Main Clients

Client Name	Main Product(s)	Total Revenue (%)
Confidential	Confidential	Confidential



Section 5: Quality Assurance

Quality Assurance						
5.1.1 Quality Management System Certification						
Certification	Certified By	Certificate No.	Business Scope	Validity Date		
N/A	N/A	N/A	N/A	N/A		
5.1.2 Product Certification						
Certification	Certified By	Certificate No.	Product Name & Model No.	Validity Date		
N/A	N/A	N/A	N/A	N/A		
5.2 Supplier Management						
Item	Content	Observations /Comments				
5.2.1	Does the company have a supplier assessment procedure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
5.2.2	Does the company have an updated list of approved suppliers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
5.2.3	Has the company established and implemented a standard procedure for purchasing contract review and approval?	<input checked="" type="checkbox"/> Yes, with written standard procedures <input type="checkbox"/> Yes, with written procedure but lack of consistent standard <input type="checkbox"/> No				
5.2.4	Does the company keep its supplier assessment reports?	<input checked="" type="checkbox"/> Yes, assessment reports are available for more than 3 years <input type="checkbox"/> Yes, assessment reports are available for the last 1-3 years <input type="checkbox"/> Yes, assessment reports are available for the previous 12 months <input type="checkbox"/> No				
5.2.5	Are the company's purchasing documents sufficient to ensure product safety control and their customers' requirements?	<input checked="" type="checkbox"/> Yes, the purchasing document includes all the information required <input type="checkbox"/> Yes, however the purchasing document includes incomplete information <input type="checkbox"/> No				
5.2.6	Is there a procedure to conduct random product inspections after final packaging?	<input checked="" type="checkbox"/> Yes, with clear standard and written inspection records <input type="checkbox"/> Yes, with inspection records but no procedures <input type="checkbox"/> Yes, with procedures but no inspection records <input type="checkbox"/> No, inspections are not necessary				
Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang	
CONFIDENTIAL		All Rights Reserved			Page No:	11 of 25



5.3 After Sales Service		
Item	Content	Observations /Comments
5.3.1	Is customer feedback, including complaints, clearly recorded and maintained?	<input checked="" type="checkbox"/> Yes, with a standard feedback form and records <input type="checkbox"/> Yes, with a standard feedback form but no records <input type="checkbox"/> Yes, with records but no standard feedback form <input type="checkbox"/> No
5.3.2	Are there any clear procedures for handling customer complaints?	<input checked="" type="checkbox"/> Yes, with clear procedures and written records <input type="checkbox"/> Yes, with clear procedures but no written records <input type="checkbox"/> Yes, with written records but no clear procedures <input type="checkbox"/> No
5.3.3	Is there a closed-loop corrective action system in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.3.4	Can finished/package products be traced by lot identification to the appropriate raw material test reports?	<input checked="" type="checkbox"/> Yes, with procedures to trace raw materials <input type="checkbox"/> Yes, main raw material can be traced <input type="checkbox"/> No, only the production date can be traced <input type="checkbox"/> No
5.3.5	Is there a product alert and recall procedure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.3.6	Do you have a complete after sales service capability?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.4 Overseas After Sales Service		
5.4.1	Is it possible to provide expatriate engineer services?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.4.2	If possible provide expatriate engineer,what kind of onsite after-sales services are included?	<input checked="" type="checkbox"/> Debugging <input checked="" type="checkbox"/> Maintain <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Other



Section 6: R & D Capacity

R&D Capacity				
6.1 Current Situation				
There is <u>0</u> R&D engineer(s) in the company.				
Education Level	Headcount		Work Experience	Headcount
Doctorate	0		Over 30 Years	0
Post-Graduate	0		21-30 Years	0
Graduate	0		11-20 Years	0
Junior College	0		6-10 Years	0
Technical School	0		2-5 Years	0
High School	0		Less than 2 years	0
Patent Situation				
Patent No.	The Name of the Patent	The Patent Type	Available Date	
N/A	N/A	N/A	N/A	
Brand Situation				
Registration/ap plication No.	Brand Name	For Approval to Use Goods	Validity Date	Ref.
27928760	Refer to Photo	Category: 9	14/Nov./2018- 13/Nov./2028	Photo in Section 8 (Trademark Photos)
The Average Time For New Products Launched				
Product Category		Num	Unit	
N/A		N/A	N/A	
The Shortest Time For A New Item Launched				
Product Category		Num	Unit	
N/A		N/A	N/A	
Does the company provide ODM service for others?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Are there relevant design input/output, review, and verification documents available for the assessment company?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Based on inspection, are R & D employees equipped with adequate specialized equipment?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If yes, please list all key equipment used:		N/A		



Do R& D employees use any specific software for designing new products?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, please list the main software used:	N/A
Please list all certifications and/or qualifications of the R & D department:	N/A
Has the company established standard design procedures for new products?	<input type="checkbox"/> Yes, with clear written instructions <input type="checkbox"/> Yes, without written instructions <input checked="" type="checkbox"/> No
Have the designed products been internal verified or validated?	<input type="checkbox"/> Yes, with clear written records <input type="checkbox"/> Yes, only part written records <input type="checkbox"/> Yes, without written records <input checked="" type="checkbox"/> No
Have the designed products been tested by a third-party inspection body?	<input type="checkbox"/> Yes, all designed products have been tested <input type="checkbox"/> Yes, only part of designed products have been tested <input checked="" type="checkbox"/> No
Are the designed products confirmed by the customers?	<input type="checkbox"/> Yes, all designed products have been confirmed <input type="checkbox"/> Yes, part of designed products have been confirmed according to client's requirements <input checked="" type="checkbox"/> No
Does the company has qualification requirements for designers?	<input type="checkbox"/> Yes, with written job description <input type="checkbox"/> Yes, without written job description <input type="checkbox"/> No, but at least two years design experience is needed <input checked="" type="checkbox"/> No
Are the designers' qualifications recognized by the company?	<input type="checkbox"/> Yes, with written records <input type="checkbox"/> Yes, without written records <input checked="" type="checkbox"/> No
What level of design services are provided?	<input checked="" type="checkbox"/> Only add logo/change color/material <input type="checkbox"/> Sample processing <input type="checkbox"/> Graphic processing <input type="checkbox"/> Create an entirely new product

New Products Launched quantity for each year

Product Category	Num	Unit
N/A	N/A	N/A

6.2 R&D Real Case Description

Customer's Name	N/A
------------------------	-----



Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

Customer's Location		N/A
Customer's Industry:		N/A
Order's Requirement Description:		N/A
6.3 Design Process		
Process 1	Process 2	Process 3
N/A	N/A	N/A
Description: N/A	Description: N/A	Description: N/A
6.4 Design Devices		
Device 1	Device 2	Device 3
N/A	N/A	N/A

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang
CONFIDENTIAL		All Rights Reserved			Page No: 15 of 25



Section 7: Company Development / Expansion Plans

Company Development / Expansion Plans		
Item	Company Development Action	Timeframe
1	The organization is going to develop more markets.	1 Year



Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

Section 8: Certification & Photos

Certification & Photos

Certification & Photos -- Business License (Original)



Certification & Photos -- Business License

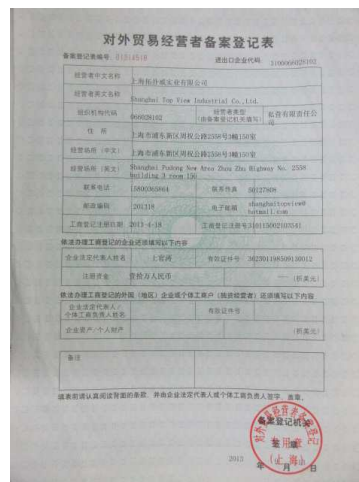
(Duplicate) with Certificate / Records of Annual Inspection



Certification & Photos -- Permit for Opening Bank Account



Certification & Photos -- Import and Export Enterprise Registration



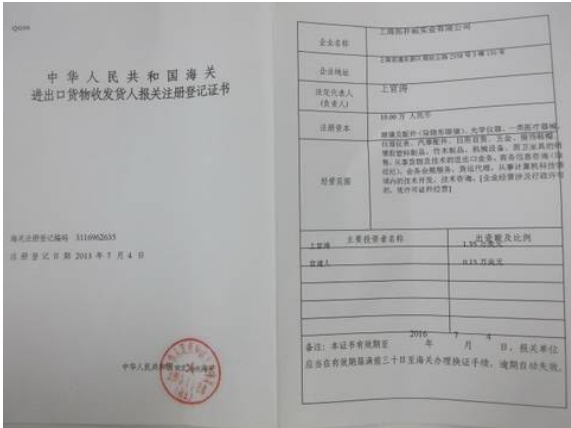

Certification & Photos -- Custom Clearance Registration Form

Certification & Photos -- N/A







Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

		N/A	
Patent Photos			
Certification & Photos –N/A		Certification & Photos –N/A	
N/A		N/A	
Product Certification Photos			
Certification & Photos --		Certification & Photos --	
N/A		N/A	
Quality Management System Certification Photos			
Certification & Photos --		Certification & Photos --	
N/A		N/A	
Trademark Photos			
Certification & Photos -- Tardemark		Certification & Photos -- N/A	
		N/A	

Section 9: Company and Product Samples

Company and Product Samples	
Company Gate 	Office 
Product Sample- Auto Lens Meter 	Product Sample- Slit Lamp 
Product Sample-3D Auto Lens Edger	Product Sample- Rebound Tonometer



Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T



Product Sample- Auto Refractometer



N/A



N/A



Section 10: Competitive Advantages

10.1 Product Group Capacity		
10.1.1 Products Sold (Within 12 Months)		
Products Name	Quantity	Revenue (USD)
Auto Lens Meter	400 Sets	Confidential
Slit Lamp	150 Sets	Confidential
3D Auto Lens Edger	70 Sets	Confidential
Rebound Tonometer	300 Sets	Confidential
Auto Refractometer	500 Sets	Confidential
10.1.2 Suppliers Cooperated With (Within 12 Months)		
No. of cooperation suppliers (total)	Confidential	
No. of suppliers (which cooperated over 2 times)	Confidential	
No. of provinces which cooperation suppliers belong to	Confidential	
Would the company like to provide design solution service for integration project?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, these projects include	According to client requirement	
Would the company like to provide a total solution for purchasing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Part, _____ <input type="checkbox"/> No	
If yes, please describe it	According to client requirement	
10.1.3 Real Case Description:		
Customer Name	Confidential	
Customer Country	Confidential	
Customer Region	Confidential	
Products Category	Confidential	
Order Value (USD)	Confidential	
Order Processing Process	Confidential	
Customer's Feedback	Confidential	
10.2 Real Case for Lower MOQ & Lead Time		
Products Name	MOQ (In the last 12 Months)	Shortest Lead Time
Auto Lens Meter	Confidential	Confidential
Slit Lamp	Confidential	Confidential
3D Auto Lens Edger	Confidential	Confidential
Rebound Tonometer	Confidential	Confidential



Auto Refractometer	Confidential	Confidential			
MOQ (In the last 12months)	<input checked="" type="checkbox"/> Less than 10 <input type="checkbox"/> 10-20 <input type="checkbox"/> 20-50 <input type="checkbox"/> 50-100 <input type="checkbox"/> 100-300 <input type="checkbox"/> More than 300				
10.3 Real Case for Large Contract					
Products Name	Order (In the past 12 Months)	Shortest Lead Time			
Auto Lens Meter	Confidential	Confidential			
Slit Lamp	Confidential	Confidential			
3D Auto Lens Edger	Confidential	Confidential			
Rebound Tonometer	Confidential	Confidential			
Auto Refractometer	Confidential	Confidential			
10.4 Overseas after-sales service capacity					
If yes, what onsite after-sales services are included	N/A				
Equipment -installation, maintenance and other services	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Technical advice	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Personnel training	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Other:	N/A				
Average response time:					
Num	Unit				
N/A	N/A				
10.5 After-sales service capacity					
Average Guarantee Time					
Product Category	Num	Unit			
Auto Lens Meter	1	Year			
Slit Lamp	1	Year			
3D Auto Lens Edger	1	Year			
Rebound Tonometer	1	Year			
Auto Refractometer	1	Year			
The Longest Guarantee Time					
Product Category	Num	Unit			
Auto Lens Meter	1	Year			
Slit Lamp	1	Year			
3D Auto Lens Edger	1	Year			
Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang
CONFIDENTIAL		All Rights Reserved		Page No:	22 of 25



Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

Rebound Tonometer	1	Year
Auto Refractometer	1	Year
Does the company accept small order?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



Section 11: Service Capabilities

11.1 Experience with Large-scale Procurement Contracts		
Have you had a procurement contract with a Fortune 500 company?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Do you have an overseas onsite service center?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
The country/region of your overseas service center		N/A
11.2 Overseas Showroom		
Do you have an overseas showroom?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Country/Region		N/A
11.3 Offline Trade Show		
Have you participated in offline trade shows?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Tradeshow name	CHINA (SHANGHAI) INTERNATIONAL OPTICS FAIR	Official images from the trade show
Date attended	11/Feb./2020	Confidential
Host Country/Region	Other China	



Section 12: Supply Chain Capability

12.1 Centralized Procurement	
In the past 12 months, have you sold products from at least three sub-categories?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
12.2 Overseas Warehouse	
Do you have an overseas warehouse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Country/Region	N/A

-- End of Report --