

RITECH[®]

A Professional manufacturer of VR Glasses

EVERYTHING
STARTS FROM
**OPTICAL
RESEARCH**



Specification

3D VR Glasses

WIDEN YOUR VISION

VMAX

RITECH is a master producer in the optical field. Lenses are designed by the professional R&D team led by optical Doctors working in well-known university.

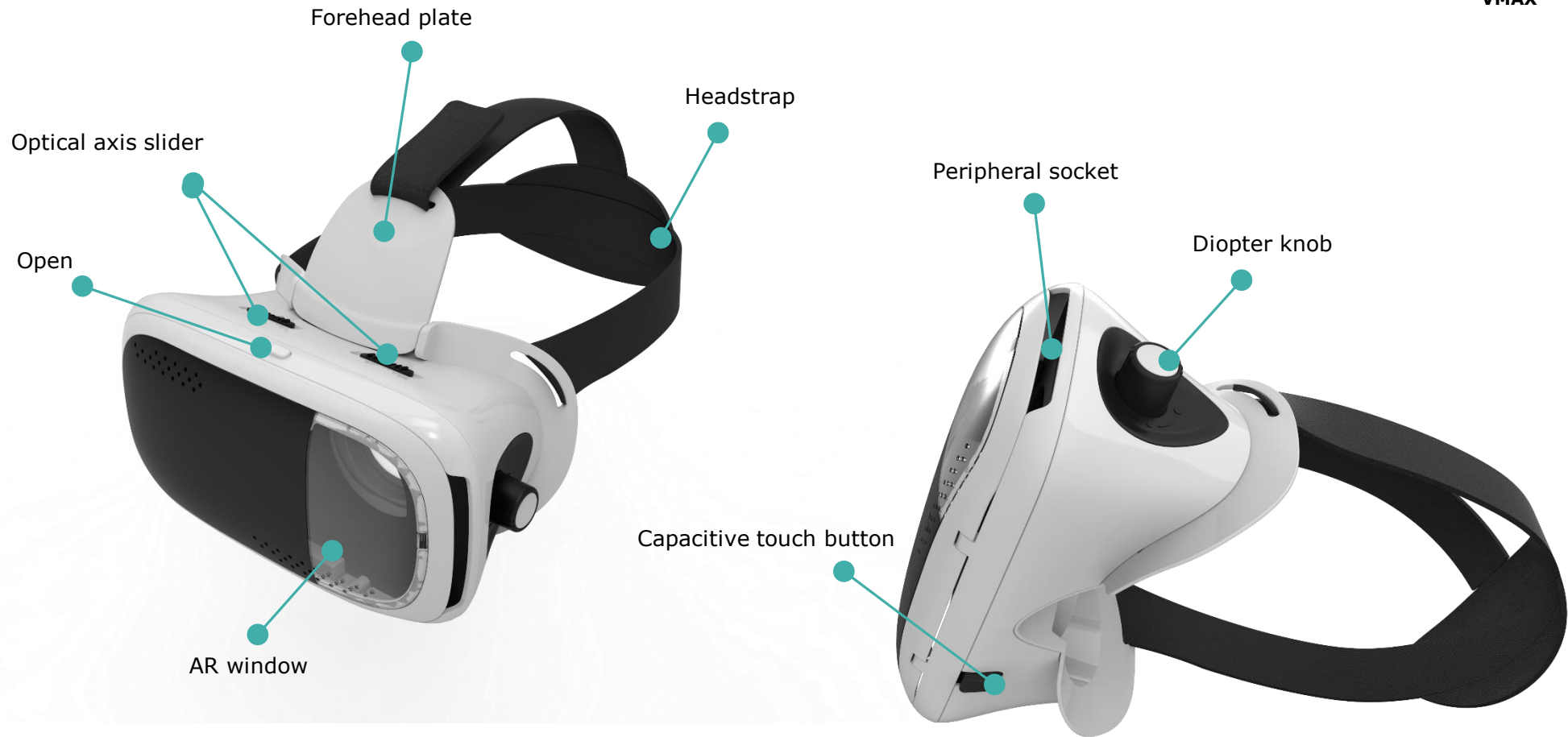
VMAX is a new developed VR headset from **Ritech**. FOV is over 96 degree. It gives you totally immersive experience especially while playing games.



Feature

- ❖ FOV is up to **96** degree, with totally immersive virtual experience.
- ❖ In accordance with the visual distance-adjustment principle, support between 0~600 degree diopter accommodation, especially available to adjust left buttons and right separately for two different eyesight.
- ❖ Unique optical system design, with clear image and without any dizziness after long-time use.
- ❖ Only weight 310G (excluding mobile phones), the optimized structure with much better comfort.
- ❖ Unique capacitive touch button, which is compatible with IOS and Android systems, such as all games on Google Cardboard II, facilitating more games or APP control.
- ❖ Transparent AR window, no need to remove the cover.
- ❖ Special slim style of the main body, which can be hold easily and comfortably.
- ❖ Available for smartphones with IOS and Android system and size from 4.7" to 6".

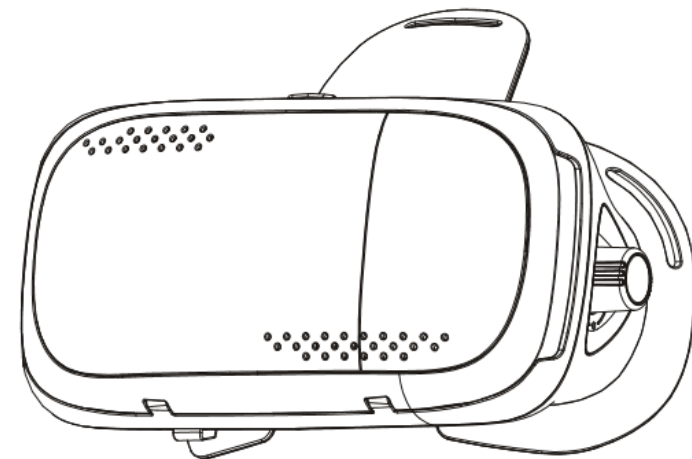
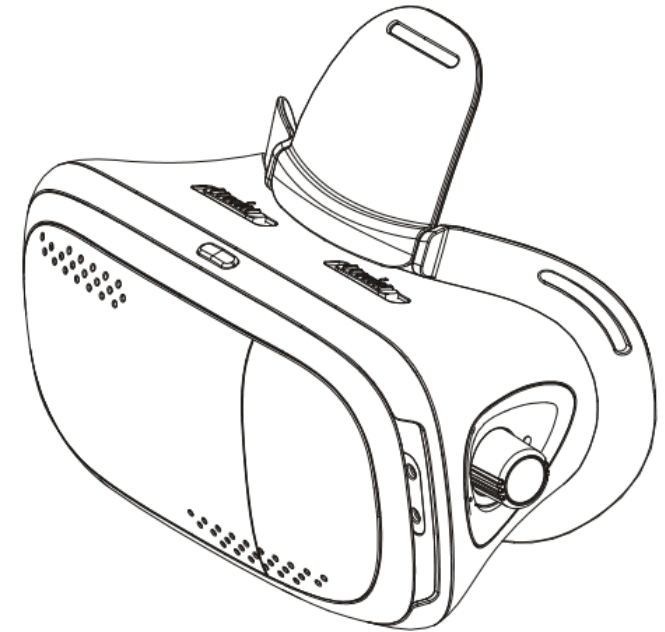
Product Indicator Diagram



Ergonomic designs of the buttons accomplish omni bearing functions on images, viewing and games.

Parameters

Model No.	VMAX
Material	ABS+ PMMA
Color	White+Black
FOV	96°
AR function	Available
Lens	Aspherical
Pupil distance adjustment (Optical Axis Slider)	Yes
Diopter adjustment	Yes
Touch button	Capacitive
360 degree panorama	Yes
Google Cardboard 2	Compatible
Peripheral sockets	Available
Wearing Eyeglasses	Yes
Smart-phone system	IOS & Android
Phone Size	4.7"~6"
Dimension (mm)	190*116*102
Unit net weight (g)	310



QR Viewer Profile Specifications

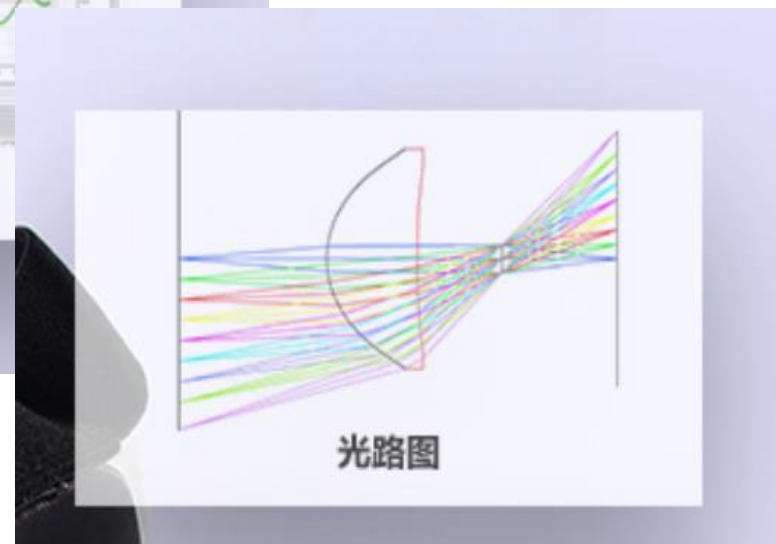
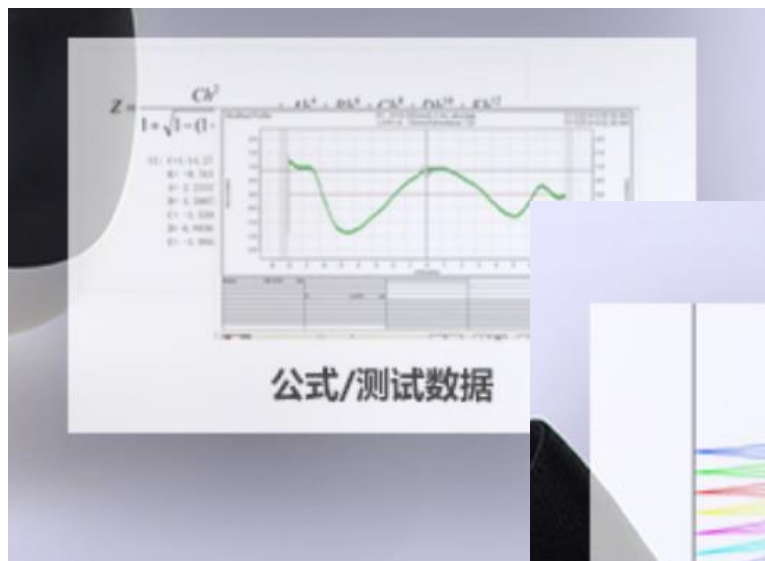


Parameters	Value
Primary button type	Indirect touch
Screen to lens distance (mm)	35
Inter-lens distance (mm)	64
Screen vertical alignment	Bottom
Tray to lens-center distance (mm)	41
Distortion Coefficient K1	0.1
Distortion Coefficient K2	0.1
Outer Field-of-view angle (°)	50
Inner Field-of-view angle (°)	50
Top Field-of-view angle (°)	50
Bottom Field-of-view angle (°)	50

Optical Characteristics

Feature

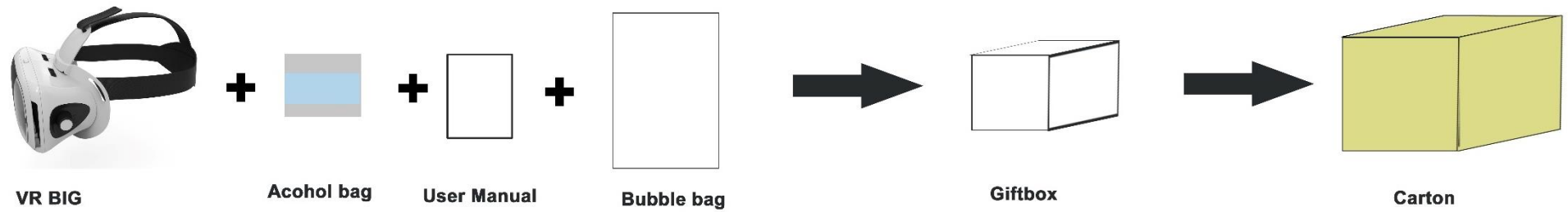
- Professional Lens design, no vertigo and pressure even after a long time using.
- Without any lattices on the images.
- Aspherical lens, no distortion.
- The imaging distance is 30cm, physiologically suitable to human being's visual character.



Lens Parameters

Item	Spec
Material	PMMA
Lens Type	Aspheric (optical resin lens /plano-convex lens)
Diameter	42mm
Thickness	12mm
Focus	40mm
Magnification	4.5 times
Resolution	95%

Packing info



Model No.	Unit G.W.(g)	Individual Package Size(mm)	Unit QTY/C arton	Carton Size (mm)	G. W. /Carton (kg)	20'GP	40'GP	40'HC
VMAX	310	211*146*109	24	620*460*365	11kg	6624pcs	13680pcs	15960pcs

With pallets

Pallet dimension	QTY/pallet	20'GP	40'GP	40'HC
1.08m*1.08m*1.965m	480pcs	5880pcs	12648pcs	12816pcs

INSTALLATION

After unpacking, please cross the head belt to the reserved holes, adjust it until you find the best length for the most comfortable position as shown below.

ADJUST

Open the front cover, place the phone in the right position above the tray, the silicone gasket set up on the tray and three cart on the silicone gasket designed for different phones, according to adjust cart, mobile phone in the vertical direction as far as possible when watch videos.

Warning

Cleaning: Please use soft cloth to clean front lid and lenses when they are dirty. If it is hard to make it clean, please only use Neutral detergent to clean them and make sure to use clean water to completely remove detergent after.

Placing: After using, please do not have any hard objects rub the front lid and lenses. Also, please NEVER put VMAX directly under the sunlight. As lenses of VMAX are convex, direct sunlight through convex lenses might generate high power or fire to hurt people.

Zhuhai Ritech Co., LTD.

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