Variety contents into the digital technology

Variable chart-images for eyesight test

To support an effective and accurate eyesight test, it provides an alphabet, a number, E's Snellen, Landolt ring and children chart. And, it specially provide L-E-A and Allen figure chart as well as traditional drawing chart for children [optional].

Largest VA charts for low-vision

For the patient of low-vision, it provides 0.03, 0.05 and 0.07 VA levels in all kinds of VA optotypes.

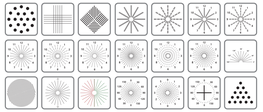
Randomizing chart

It can display randomizing charts in the same acuity level in order to prevent patient's memory problem and re-test in case of necessity.

High resolution color vision chart

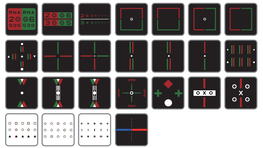
It provides 25 sheets of color vision charts converted from vector images. It can also help to detect a severity and false identification as well as normal identification of charts.

Various astigmatism charts



For precise and voncenient astigmatic test, it offers 21 kinds of astigmatic test charts.

Useful special test charts



It provides twenty-five(25) kinds of special charts that can be applied to many types of tests such as the Binocular Vision Test, Stereoscopic Vision Test, Heterophoria/Heterotripia Test, Binocular Balance Test, Fusion and Suppression Test, Aniseikonia Test and more.

AMSLER Grid

AMSLER Grid chart enables a convenient diagnosis for retinal disease.

Adjusting contrast function

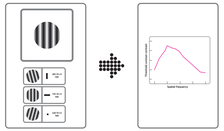
It has a function that can adjust 10 steps of contrast from 100% to 1.5% in order to be useful for a contrast sensitivity test and refraction of surgical patients.

Fast & Convenient Eye test with large screen

Screen reverse function

For the patient who has post-lasek or any other ophthalmic disease, it enables an eyesight test excluding glaring or other factor.

Contrast sensitivity test



It has a function to measure contrast sensitivity at various levels using letter charts and the bar. The results of tests are analyzed and displayed providing patient with more details and a professional and analytical diagnosis.

Fan & Block

Fan & Block function enables to get an accurate astigmatic axis of the patients.

Crowding function

In the eyesight test for child and patient who has other ophthalmic diseases, it offers the function covering letters with interaction bars to exclude distinction between letters' concentrated distance for the concentration of optotypes.

High performance of Quad-Core System

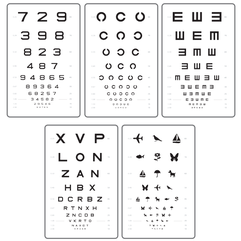
Enjoy more fast and excellent system with high performance of Quad-Core CPU & GPU provided by Amlogic

Android Embedded

Android embedded system that has various additional functions and powerful resource management enables more stable eyesight test. And, it enables to update and application with ease, and also access an internet freely connecting with wire or wireless network.

ETDRS

It provides the five types of ETDRS charts (alphabet, number, E's Snellen, Landolt ring and children) with randomizing chart and screen reverse function to enable precise test.



Wide range of adjusting distance

According to the environment and method of refraction, refraction distance can be adjusted from 1.5 to 8.0 meters in the menu screen. [4.75 to 26.00 feet]

Compatibility with other devices

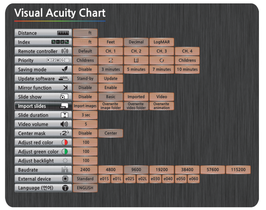
It basically provides wireless communication using infrared light and wire communication using RS-232 protocol. Using this, it can be used with other devices such as digital refractor made by other manufacturer. For this, consult with the manufacturer or local distributor.

Excellent Slide function

It shows patients the examples that can explain diversfied refractive errors such as myopia, hyperopia and astigmatism. It is also possible to play video or display images stored to the internal memory or external USB drive at user preference. This can be used to advertise during the screen saver mode.

Convenient menu screen

For high visibility, it has a lot of intuitive icons and provides multiple language for convenient use.



Specifications

This is a medical device.

Screen	32 inch (81.3cm) QHD TFT LCD
Visible area	(W)392.8 x (H)698.4mm
Screen ratio	16 : 9
Resolution	1440 x 2560 pixcels
Brightness	Max. 250 cd/㎡
Refraction distance	1.5 ~ 8.0m (0.1m step) / 4.75 ~ 26 feet (0.5feet step)
Main processor	Amlogic ARM® Cortex®-A5(ARMv7) 1.5Ghz QuadCore Mali™-450 MP2 GPU (OpenGL ES 2.0/1.1)
Internal memory	SDHC Flash memory 8GB 90MB/s
Operating System (OS)	Google's Android
Power	DC 12V 6A
Power consumption	60 W
Control	Infrared Radiation or Serial communication of RS-232
Multi-channel	Max. 4 channels
External interface	4x USB, 1x RS-232, 1x Ethernet (10/100/1000)
Standard accessory	IR Remote-control, Wall-mount bracket
Optional accessory	Floor stand, Red/Green glass, WIFI module
Dimension and weight	(W)450 x (H)758 x (D)50mm, approximately 12.0kg

Manufacturer
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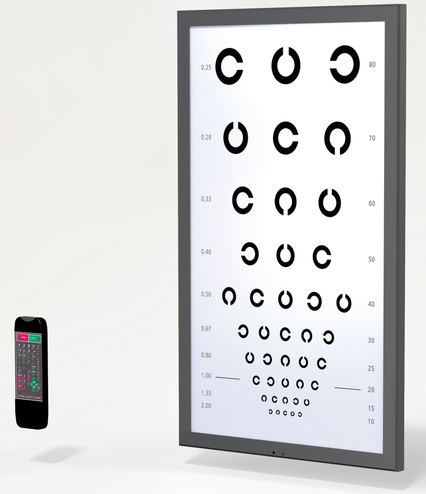
LCD Visual Acuity Chart