Best System for professionals

GLC-3000A
Digital LCD Chart 24"

Variable chart-images for eyesight test

R Alphabet   **3** Number   **Ш** E's Snellen

C Landolt ring

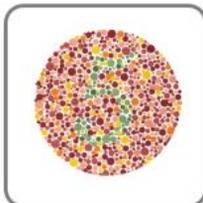**✱** Children (Tradition)   **□** Children (LEA)   **🐎** Children (Allen Figure)

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.

9	0.03 20/660	4	0.05 20/400	2	0.07 20/300

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.

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 indentification as well as normal indentification of charts.

CE KFDA

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Fan & Block

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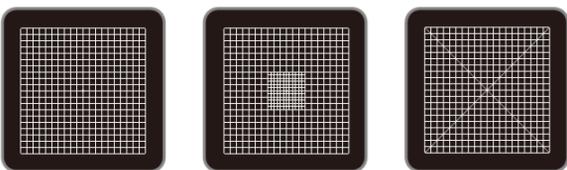

Randomizing chart

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.
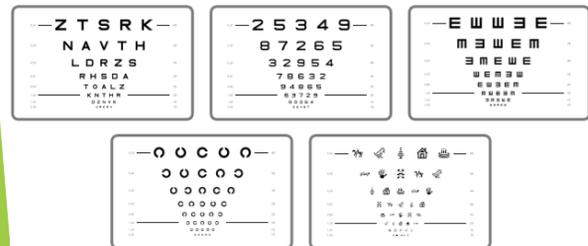

AMSLER Grid

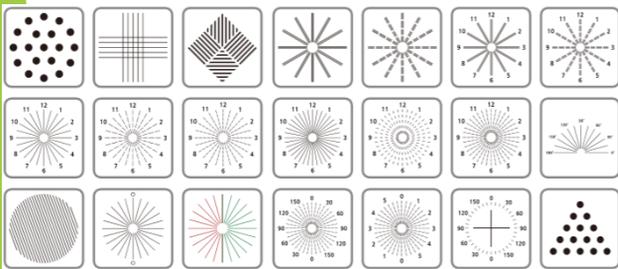AMSLER Grid chart enables a convenient diagnosis for retinal disease.

ETDRS

It provides the five types of ETDRS charts with randomizing chart and screen reverse function to enable precise test.

Various astigmatism charts

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

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.

Adjusting contrast function

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

| 100% | 50% | 20% | 7.5% | 1.5% |

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.

Traffic lights color test

It provides the function whether the patient identifies three colors. This method can be applied by operator's judgment.
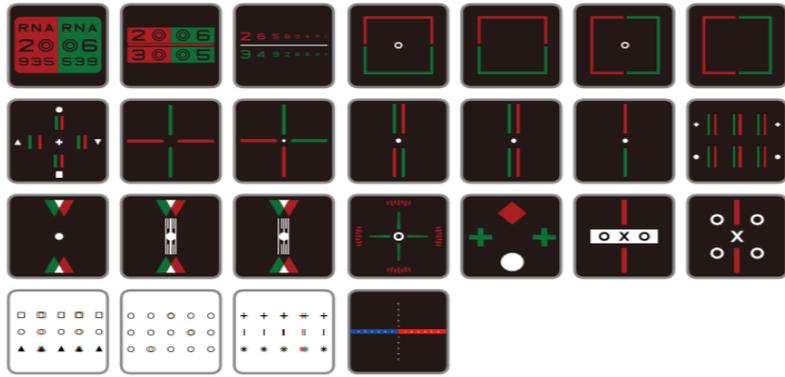

Contrast sensitivity test

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.

Compatibility with other devices

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

Various astigmatism charts

It provides 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.

Dynamic moving test chart

In the measurement for phoria test and binocular test, the size or position can be adjusted by the button of remote-control.

Slide function

It shows patients the examples that can explain diversified 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.

Optimized unit step according to the test method.

It basically provides four kinds of unit as bellow, and it shows measeurement unit optimized to identify with ease.

Meter	Feet	Decimal	LogMAR
6/200	20/660	0.03	1.5
6/120	20/400	0.05	1.3
6/85	20/300	0.07	1.15
6/60	20/200	0.1	1.0
6/48	20/150	0.15	0.8
6/40	20/100	0.2	0.7
6/36	20/90	0.3	0.5
6/30	20/80	0.4	0.4
6/24	20/70	0.5	0.3
6/21	20/60	0.6	0.2
6/18	20/50	0.7	0.15
6/15	20/40	0.8	0.1
6/12	20/30	0.9	0.05
6/9	20/20	1.0	0
6/7.5	20/20	1.0	−0.1
6/6	20/15	1.5	−0.2
6/4.5	20/10	2.0	−0.3

Specifications

Screen	24 inch (61.1 cm) WUXGA TFT LCD
Visible area	(W) 518.4 x (H) 324.0 mm
Screen ratio	16 : 10
Resolution	1920 x 1200 pixels
Brightness	Max. 300cd/㎡
Refraction distance	1.5 ~ 8.0 m (0.1m step) / 4.75 ~ 26 feet (0.5 feet 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 5A
Power consumption	55 W
Control	Infrared Radiation or Serial communication of RS-232
Multi-channel	Max. 4 channels
External interface	4 x 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) 568 x (H) 372 x (D) 54 mm, approximately 4.0kg