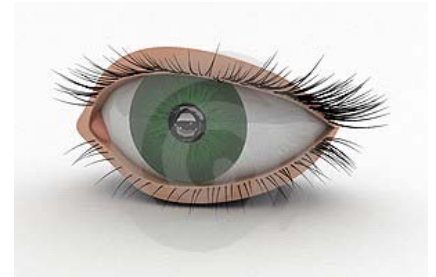




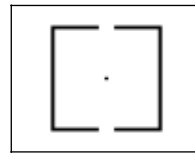
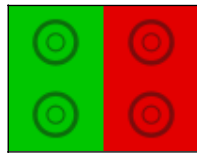
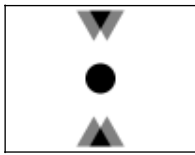
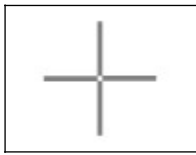
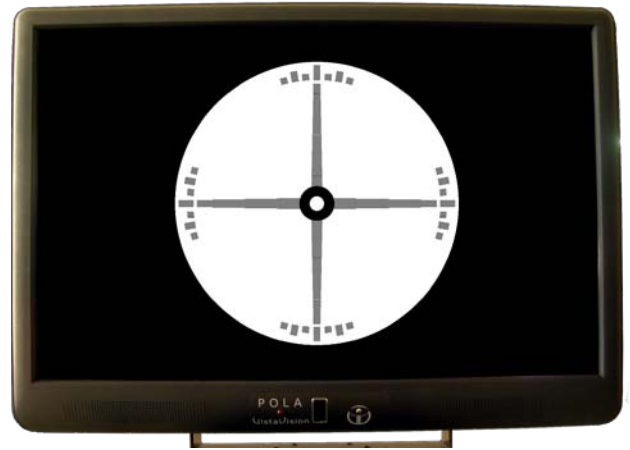
# POLA VistaVision



... a unique and simple CHART PANEL to meet all professional needs in vision testing !

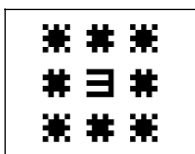
## High Technology, All in one, 22" POLA Visual Acuity Tester

- 100% separation and equal background !
- Image separation created through the most improved Polarization technique eliminates ghost images
- Without any additional items, POLA VistaVision allows the generation of optotypes with positive polarization
- LCD 22-inch wide screen (1680x1050), Anti-Glare, calibrated constant certified luminance
- Wall mounting and Portable. Completely silent (fan-less)
- Computer integrated; Fast built-on and instant-off (Embedded Linux Operating System)
- Dynamic tests based on parameters and distance
- All letters chart with random and contrast sensitivity function
- Complete, precise and versatile software for a fast acuity evaluation; programmable patient's vision examination
- Free internet upgrade software via USB Key
- Long-life, up to date technology and strong competitive price !



### Pola Tests, MKH-Haase tests ...

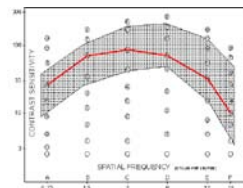
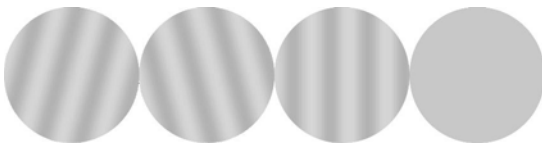
Binocular tests are shown with positive polarization through a special LCD screen: a unique solution for both monocular and binocular vision tests!



### Charts, ETRS

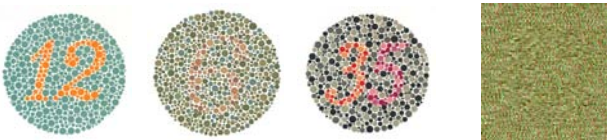
V.A. range from 0.03 to 2.0 (decimal), 13 contrast LogSC levels, random, single letter, single line, multi line, red and green.

### FAST2-1psycho-physicprocedure



### Contrast Sensitivity Test

144 calibrated stimuli, 3 random inclinations, 8 contrast sensitivity levels, 6 spatial frequency levels (from 0.75 to 18 cycle/degree), graph report.

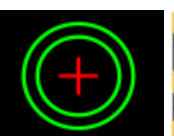
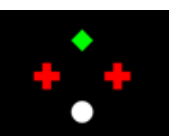
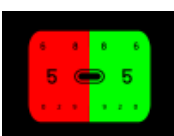
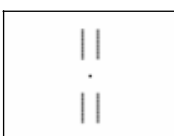


### Ishihara Tables

(25 brightness calibrated tables)

### Stereo test (15 tables)

to use with red-green glasses



**Chart types:** Snellen, Sloan, Tumbling E, Landolt C, Numbers, HOTV, Allen pre-school, Children symbols (2 optotypes), ETRS (3 tables), CS chart (2 tables: 6 rows, 12 rows), Contrast Sensitivity Test (2 procedures), Ishihara (24 tables), Stereoptic RG Test (15 tables), Phoria (polarized or red-green), Phoria with fixation (polarized or red-green), Coincidence (vertical-horizontal; polarized or red-green), Polarized Letters, Red-Green, Astigmatism clock dial, Worth, Schober, Duochrome balance, Binocular balance, Cross grid, Dots, Osterberg, Stereo valence, Stereo triangle, Cowen, Cross, Indicator (3 tests), Fixation, Schematic eye, Child movie, Tutorial movies, ...

## Up-to-date Technology

Compared to conventional polarized LCD chart systems, POLA VistaVision uses a unique polarization technique with no ghost image.

Most of famous Chart Panels sold in the world, even by big companies, are based on a general purpose personal computer: standard operating system, memory data storage on mechanical hard disk, high power dissipation, ... all that gives you reliability problems!

POLA VistaVision is different from standard PC based chart panel!

POLA VistaVision is based on high quality, newest polarization technology and maximum reliability systems:

- 100% separation and equal background
- Linux Embedded <sup>(1)</sup>
- Data storage on flash memory <sup>(2)</sup>
- Ad-hoc developed electronic board with only 4W power consumption <sup>(3)</sup>

(1) To assure software stability

(2) To assure no data corruption or data lost

(3) For electronic longlife and silent fanless system

## The Modern Way for Vision Testing

POLA VistaVision is a long-life reliability tool

- 40.000 hours LCD life guarantee

POLA VistaVision is a precise tool

- Clear images from effective separation
- 12 years software developed with the support of ophthalmologist, optometrist and orthoptist team
- LCD luminance and contrast are calibrated by certified body for a professional contrast sensitivity measurement
- Red and green calibration menu
- Silent

POLA VistaVision is a versatile tool

- A unique solution for both monocular and binocular vision tests
- Trolley for portable use, Rotating mounting plate
- Multi-user: up to 3 different users
- 4 patient's programmable evaluations
- All customizable preferences, 4 languages

POLA VistaVision is cost sensitive

- Cheaper than competitor's same level products

## Specifications

- LCD for both monocular and binocular vision tests
- LCD 22-inch, 1680x1050 pixel, 230 cd/m<sup>2</sup>, contrast 1000:1 Calibrated luminance for a precise C.S. measurement
- V.A. range of examination: 0.03 – 2.0
- Working distance: up to 8 m (26 ft), 0.1 m increments
- Two preselected background luminance levels: normal or dark room
- Visual units: 12 visual acuity notations (decimal, 20 ft, 6 m, /10, log, LogMar, 10 ft, 3 m, ...)
- Just 3 remote control key to run all test
- Programmable display sequences
- MKH test sequence according to Haase, over 17 pola tests
- Contrast Sensitivity "Sequential" procedure and "Fast 2-1" psycho-physic procedure
- Single letter, Horizontal line, Descending lines
- Unlimited number of charts, full optotype randomization
- Video player with child's entertainment and stereo audio
- Stylish Design, Silent
- Dimension (WxHxD): 52.5 x 36.5 x 6.5 [cm]. Weight: 7 kg
- Power supply: 110-220 VAC, 50-60 Hz. Power consumption: 60VA. Customizable auto power off.
- IR remote battery type: AAA (2x)
- Standard wall mounting Vesa 100 x100 or table version
- Classification: CE, Medical Device Class 1
- Compliance with: international standard UNI EN ISO 15004, ISO 10938, ISO 8596



POLA: LCD Chart System with positive polarization: stereopsis, Tracking, Fusion, Convergence, Visual Motor Integration, depth perception ...

VISTAVISION: contrast sensitivity, chromatic sense, resolution acuity, binocular vision, stereoptic vision, low vision ...

All VistaVision® products are engineered and produced by DMD Med Tech srl Rm.809,  
New Commerce Centre, 19 On Sum St. SHATIN HONG KONG;  
Tel 852 2332 5666; Fax 852 2780 6281 [www.globe.com.hk](http://www.globe.com.hk)

