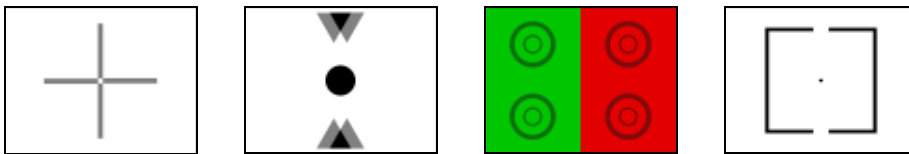
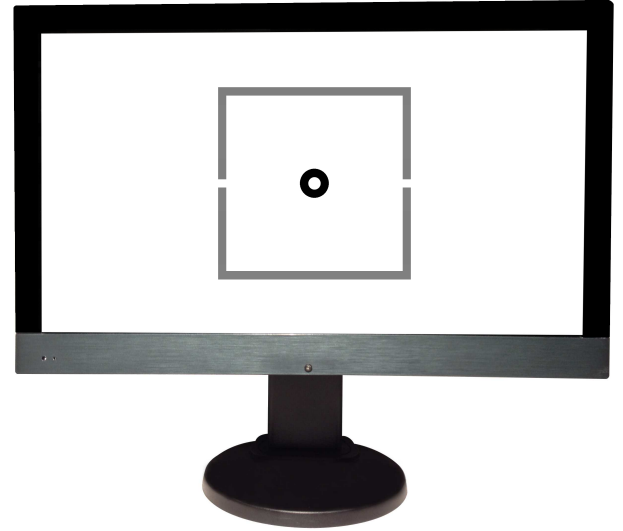


# FAR VistaVision POLA

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

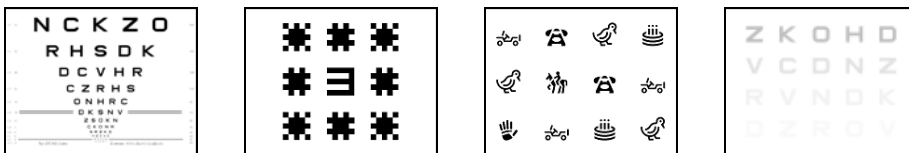
## Polarized LCD Screen, High Technology, Integrated System

- ▲ 100% separation and equal background !
- ▲ 100% polarization: image separation created through the most improved Polarization technique eliminates "ghost images"
- ▲ Without any additional items, FAR POLA VistaVision allows the generation of optotypes with positive polarization
- ▲ TFT LCD 23.6-inch wide screen (1920x1080), 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 an appropriate USB Key
- ▲ Long-life, up to date technology and strong competitive price !



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

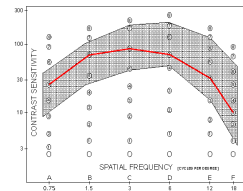
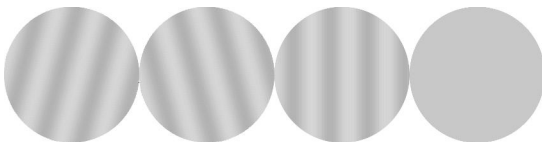
Binocular tests are shown with positive polarization through a special LCD screen: a unique solution for both monocular and binocular vision tests!



### Charts, ETRS

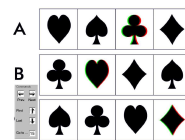
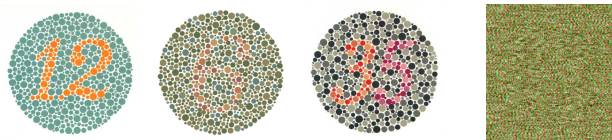
V.A. range from 0.03 to 2.0 (decimal), 13 contrast LogSC levels, random, single letter, single line, multi line, red and green.

### "FAST 2-1" psycho-physic procedure



### 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.

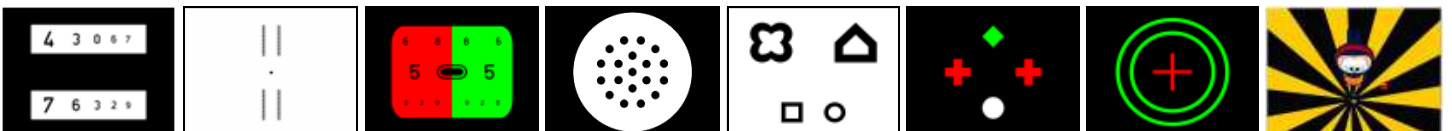


### Ishihara Tables

(25 brightness calibrated tables)

### Stereo test (15 tables)

to use with red-green glasses



**List of Charts: Optotypes:** Snellen Letters, Sloan Letters, Numbers, Children's Images, Tumbling E, Landolt's Ring, HOTV, ETRS tables (1, 2, R), LeaLike Symbols, Allen Pre-school, Circular Optotypes, Kolt Symbols, Contrast Sensitivity Chart (6 lines, 12 lines), Hebrew Letters, Chinese Ideograms. **MKH tests:** Cross Test (K), Pointer Test (Zv, Zo, DZ), Rectangle Test Vertical (H), Stereo Triangle (St), Stereo Balance (V), Differentiated Stereo (D6/D8), Cowen (C), Random Dot Test (RS, RH). **Other polarized tests:** Rectangle Test Horizontal, Binocular Balance (1, 2, 3), Osterberg Test, Schober's Test, Phoria Horizontal-Vertical, Mallet Test (OXO), Polarized Clock Dial, Osterberg Stereo Test, Cross Test. **Other tests:** Contrast Sensitivity Test, Sinusoidal Grating, Color Blindness Test (Ishihara), Red and Green, Worth Four Dot Test, Astigmatism Clock Dial, Cross Cylinder Dots, Amsler's Grid, Random Dot Test Red-Green, Adult Grid, Child Grid, Row Bright Letters, Column Bright Letters, Half Clock Dial, Point of Fix, Maddox LED Test, Pictures for Retinoscopy, Photostress Recovery Time, Twilight Vision Test.

## Up-to-date Technology

Compared to conventional polarized LCD chart systems, FAR POLA VistaVision uses the last enhanced 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 mmc 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

FAR POLA VistaVision is a long-life reliability tool

- ^ 40.000 hours LCD life guarantee

FAR POLA VistaVision is a precise tool

- ^ Clear images from effective separation
- ^ 19 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-Green calibration menu
- ^ Silent

FAR POLA VistaVision is a versatile tool

- ^ A unique solution for both monocular and binocular vision tests
- ^ Interfaced: wireless **connection to Phoropter**
- ^ Trolley for portable use, Rotating mounting plate
- ^ Multi-user: up to 3 different users
- ^ 4 analysis: Conventional, Child, Low Vision, Individual
- ^ Connectivity: FAR POLA VistaVision can be controlled by infrared remote control or **wireless 10" tablet touch** (eyeTablet)
- ^ Possibility to carry the glare test with certified lamps
- ^ All customizable preferences, 7 languages

## Specifications

- ^ LCD for both monocular and binocular vision tests
- ^ TFT LCD 23.6-inch screen, 1920x1080 pixel, 250 cd/m<sup>2</sup>, 1000:1 contrast, calibrated luminance for quantitatively precise contrast evaluations
- ^ VA range: from 0.03 to 2.0 (0.3/10 to 20/10)
- ^ Patient-Screen distance: up to 8 m, step 5 cm
- ^ Two LCD brightness levels: normal or low ambient brightness
- ^ Visus units: 17 visual acuity notations including decimal, log, LogMar, Snellen m. (6/), Snellen ft. (20/), 10 ft, 3 m, MAR, ...
- ^ 3 buttons to run all the tests
- ^ Programmable display sequences
- ^ MKH tests sequence according to Haase, **over 30 polarized tests**
- ^ Contrast Sensitivity with the innovative "Fast 2-1" psychophysical procedure
- ^ **Maddox red test**
- ^ Masking: Single letter, Horizontal lines, Descending lines
- ^ Unlimited number of charts, full optotype randomization, dynamic tests
- ^ Video player with child's entertainment and stereo audio
- ^ Accurate and elegant design. Silent
- ^ Dimension (WxHxD): 57.7 x 36.1 x 4.5 [cm]. Weight: 4.5 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 or table version
- ^ Classification: CE, Medical Device Classe 1
- ^ Compliance with: international standard UNI EN ISO 15004, ISO 10938, ISO 8596
- ^ **Free internet software updates, forever.**
- ^ **5 years warranty** (limited to 2 years for the LCD surface/screen)



FAR POLA VISTAVISION: the first and unique LCD Chart System 100% Italian with positive polarization!



All VistaVision® products are engineered and produced by DMD Computers srl

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