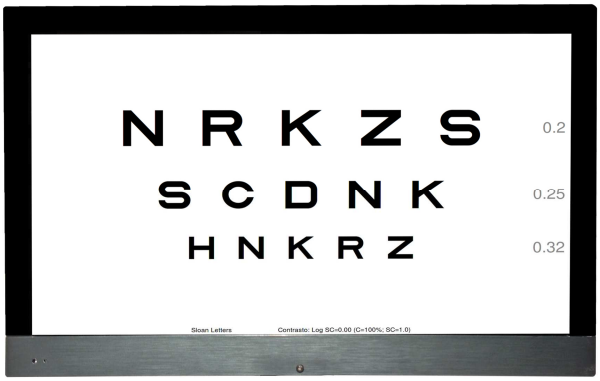
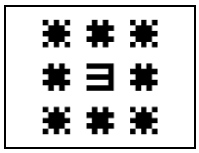
FAR VISION DEVICE

High Technology, All in one, LCD 24", Visual Acuity Tester

- LCD 24" WIDE Screen, contrast 1000:1, calibrated luminance,
- Wall mounting and Portable,
- Lifelong LCD calibrated and constant luminance,
- Completely silent (fan-less),
- Fast built-on and instant-off (Embedded Linux Operating System),
- All letters chart with contrast sensivity function,
- Complete, precise and versatile software for a fast acuity evaluation; programmable patient's acuity examination,
- Free internet upgrade software via USB Key,
- Long-life, up to date technology and competitive price!

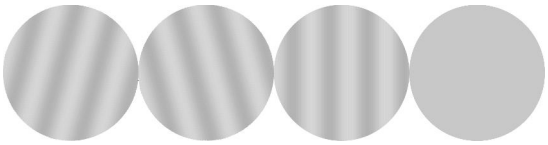


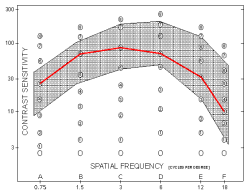


Charts, ETDRS

From 0.3/10 to 20/10, 13 contrast LogSC levels, random, single letter, single line, multi line, red and green.

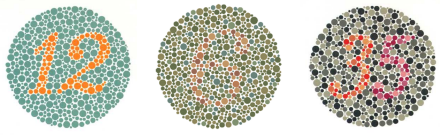
FAST 2-1 psycho-physic procedure

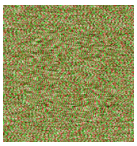


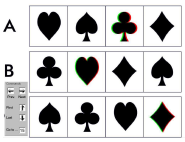


Contrast Sensitivity Test

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

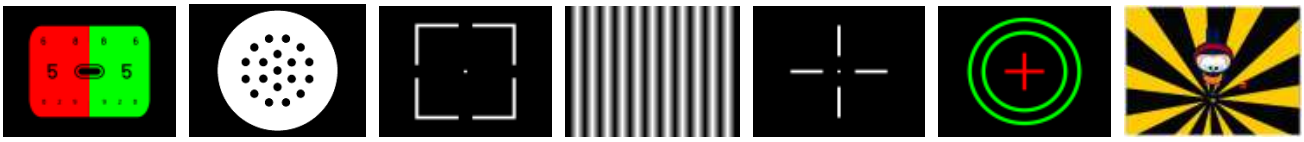






Ishihara Tables (25 brightness calibrated tables)

Stereo test (15 tables)
to use with red-green glasses



Optotypes: Snellen Letters, Sloan Letters, Numbers, Children's Images, Tumbling E, Landolt's Ring, HOTV, ETDRS tables (1, 2, R), LeaLike Symbols, Allen Pre-school, Circular Optotypes, Kolt Symbols, Contrast Sensitivity Chart (6 lines, 12 lines), Hebrew Letters, Chinese Ideograms.

Bio/Bino tests: Binocular Balance (1, 2) (RG/P), Duochrome Balance (P), Phoria Horizontal-Vertical (RG/P), Rectangle Test Horizontal-Vertical (RG/P), Stereo Triangle (St) (RG), Stereo Balance (V) (RG), Cross Test (K) (RG), Pointer Test (Zv, Zo, DZ) (RG), Cowen (C) (P), Osterberg Stereo Test (RG), Cross Test (RG), Differentiated Stereo D8 (RG), Mallet Test (OXO) (RG).

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, Glare Sensitivity Test, Twilight Vision Test, Mitchel test. (Abbreviation: RG=Red-Green, P=Polarized)

contrast sensitivity, chromatic sense, resolution acuity, phorias, binocular vision, stereoscopic vision, near vision

Up to Date Technology

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!

Far Vision Device is different from standard PC based chart panel!

Far Vision Device relies on high quality, new technology and maximum reliability systems:

- Linux Embedded (1)
- Data storage on flash memory (2)
- Ad-hoc developed electronic board with only 4W power consumption (3)
- Quad-Core Processor @ 1GHz

(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 Vision Device is a long-life reliability tool

- Five years warranty
- 40.000 hours LCD life guarantee

Far Vision Device is a precise tool

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

Far Vision Device is a versatile tool

- Connectivity: it can be controlled by infrared remote control or wireless 10" tablet touch (eyeTablet10) (opzional)
- Interfaced: wireless connection to Phoropter (opzional)
- Print patients reports (opzional)
- 360° Stand for table use (opzional)
- Multi-user: up to 3 different users
- 3 analysis: Conventional, Child, Low Vision
- Lamps for driving license test (opzional)

Far Vision Device is price sensitive

- Free internet software updates forever
- Cheaper than competitors' same level products

Specifications

- LCD 24" WIDE, contrast calibrated system for a precise sensitivity measurement
- Wide Range of Examination: 0.03 – 2.0
- Adjustable working distance: up to 8 m or 26 ft
- Two preselected background luminance levels: dark room or normal room
- Visual units: 17 representations of visual acuity are available (decimal, log, LogMar, 20 ft, 10 ft, 6 m, 3 m, …)
- Just 3 remote control key to run all tests
- Programmable display sequences
- Contrast Sensitivity Test: "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 children entertainment and stereo audio
- Slideshow and movie player for personal pictures and movies
- Eye pictures: anatomy, pathology and therapy. Tutorial movies
- Stylish Design, Silent
- Maddox LED
- Dimension (WxHxD): 59.5 x 37.0 x 5.0 [cm], Weight: 4.3 Kg
- Adjustable auto power off
- Power supply: 110-220 VAC, 50-60 Hz
- IR remote battery type: AAA LR6
- Standard wall mounting Vesa 100 x100 or 360° stand
- Classification: Medical Device Class 1
- Compliance with: international standard UNI EN ISO 15004, ISO 10938, ISO 8596
- Free software upgrade, forever
- 5 years warranty (limited to 2 years for the LCD surface/screen)

Far Vision Device is engeenered and producted by DMD Computers srl

Via Monviso, 14 – 10090 Villarbasse Torino Italy; Tel +39 0119528282; Fax +39 0119528402

www.dmd.com, dmd@dmd.it

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