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MultiVisus
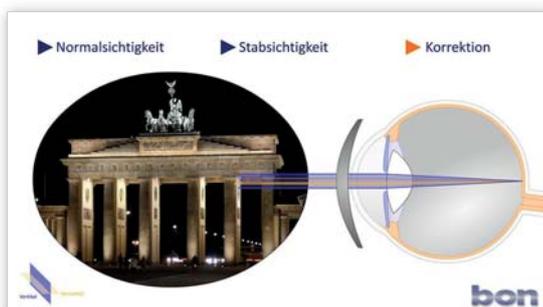## computerized sight testing

24 inch screen of the highest industry standards, for best display of all optotypes and accurate binocular separation

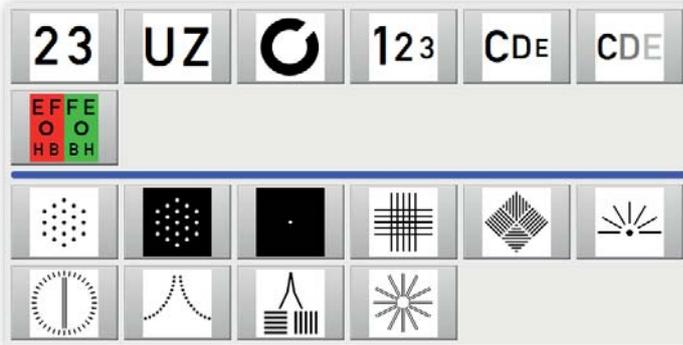**Near vision testing with an Apple iPad,** which is also used as the remote control

3D images

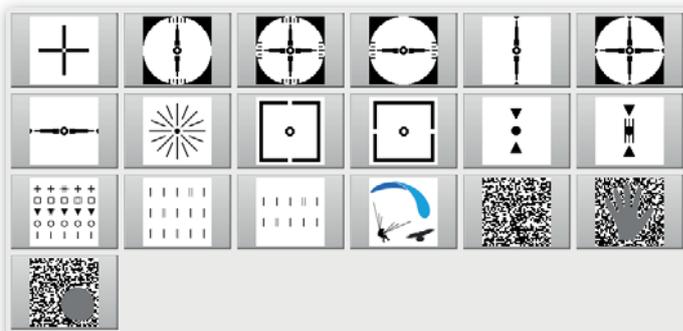Easy to understand animated graphics and presentations enhance **patient education**
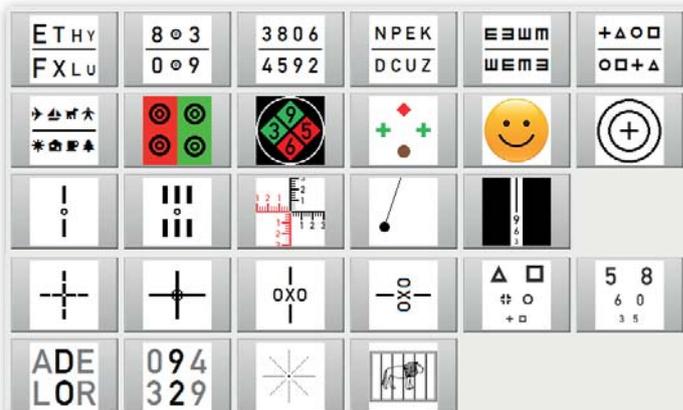

a selection of background images

MultiVisus menu „Monocular"

MultiVisus menu „Children"

MultiVisus menu „Binocular I"

MultiVisus menu „Binocular II"

Optotypes:

Letters, numbers, Landolt rings (in eight directions), red-green-test, astigmatism test pattern of lines, pattern of rays, rotating lines, Raubitschek test (arrow shadow), dot pattern positive & negative, night myopia test, different contrast tests (letters), steps of numbers and letters, Maddox-V, tests for binocular fine adjustment

Multiple adjustment options:

Visus 0,05 to 2,0, contrast, negative presentation, new choice, single optotypes with automatic timer, round characters, tightly spaced characters (Crowding test), display of background images

Children's Testing:

Landolt rings in four directions, Snellen E-hooks in four directions, Kolt test, H-test, children tests according to Professor Rassow

The paediatric tests are randomly variable. (see above)

Binocular:

Part 1: cross test, pointers tests (vertical & horizontal), double pointers test, hooks tests (vertical & horizontal), triangle stereo test, stereo valence test, differentiated stereo tests D5 and D6, Random dot test classic, Random dot test with symbols, binocular balance test, Schober test, Worth test, fixation and disparity test

Part 2: cross test 2, cross test 3, pointer test with simple scales (vertical & horizontal), double pointer test with simple scale, pattern of rays binocular, Mallet test (vertical & horizontal), Kolt test binocular, numbers 2 columns binocular, crossword reading tests letters and numbers, binocular cylinder balance (vertical & horizontal), fixation disparity stereo test, individual binocular tests, circle pendulum (animated), fusion / convergency

Many tests provide various adjustment options, such as swapped perception, changing of pointer position, display of background image etc.
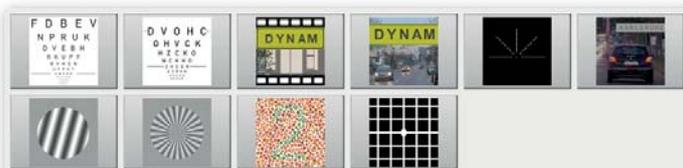
MultiVisus
The ultimate sight testing machine

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MultiVisus menu „Special Tests"

MultiVisus menu „Consultation I"

MultiVisus menu „Consultation II"

MultiVisus menu „Screening"

Special Tests:

city map with street names, Ishihara-charts 1-4, Ishihara demonstration chart, various **3D images**, (landscapes, animals, buildings,...), various monocular pictures

Advice & Information:

The advice section includes many graphics and animated presentations that will make it easy to explain technical contexts and impress your customers:

Part 1: anatomy of the eye, hyperopia and myopia with possible corrections, astigmatism, difference between lense types including progressive lenses, function of contact lenses, handling of soft and hard contact lenses, presbyopia, phorias, antireflection coatings, Ortho-K lenses

Part 2: retinal detachment, diabetic retinopathy, AMD, glaucoma, cataracts, retinitis pigmentosa, fundus image examples for DMP, CNV, PDRP, basal cell carcinoma, Video of floating blood cells, vitreous opacity, irisnaveus, pterygium

Screening:

Section including tests for a quick overview, dynamic road traffic test, variable Bailey contrast chart, colour charts for red / red-green / blue deficiency test (single and two digits), car license plate, dot star, two stage Amsler grid, modified adjustable Siemens star

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Advantages at a glance

- A generous **24 inch high quality industrial display** allows very **high resolution**
  at an extremely small pixel size (0,277mm) for **finest presentation** of all optotypes
  even at high visual acuity steps (from 1.60 to 2.0).
- polarization with notably **precise binocular separation**, a choice of **circular or linear** (45°/135°).
  Thus modification of your existing phoropter is not necessary.
- A choice of configurations is avialable with or without integrated pc, with Apple ipad or keyboard
  remote control. (see below)
- comfortable operation via tablet PC (Apple / Android) or via your existing computer
- optional **near vision testing** with an Apple iPad
- There is an interface for the export of refraction data, possible **connection with refractor**
- integrated remote service
- The extensive portfolio of optotypes is second to none and includes screening and special testing, for
  highest flexibility, such as: **monocular refraction under binocular conditions** with 3D background
  images, **dynamic testing in 3 D**, a dominance test, special tests by Edi Posch and for examination
  by the MKH method, single character with timer, contrast tests, rotating bar test and Raubitschek curve
  for **cross cylinder fog method**, randomly generated colour tables, aniseikonia measurement, timed
  hook test, random dot symbols, differentiated stereo screening with **defined stereo angles**, D10 test
  for especially small stereo angles, moving tests (dynamic test, 3D pendulum), animations and videos,
  and many more...
- patient education modules
- you can integrate **60 personal tests** (monocular and binocular) and **60 consulting images**
- individual test sequences can be created quickly and easily to **save refraction time**
- The housing has been designed specifically to avoid any undesired fixation stimuli **optimizing results**.
- The German society of ophthalmologists (**DOG**) lists MultiVisus as a **"recommended device"**.
- in compliance with **DIN 58220-3** (Visual acuity testing) and **DIN EN ISO 8596** (VA examination)
- testing distance 4.5 to 8 m, directly or mirror reading

The right option for each user:

MultiVisus 24" All-in-One circular
Item number 1027034
circular polarized
Standalone with integral computer,
full version software with all modules, incl.
near vision testing module for tablet PC,
with Apple iPad for use as remote control
and for the near vision test
further scope of delivery: cordless USB
mouse, WiFi router, aperture, wall mount

MultiVisus 24" All-in-One linear
Item number 1027036
as above, but with linear polarization

MultiVisus 24" P circular
Item number 1027035
circular polarized
for existing computer
full version software with all modules
except near vision testing module
further scope of delivery:
aperture, wall mount

MultiVisus 24" P linear
Item number 1027037
as above, but with linear polarization

MultiVisus LIGHT
The less expensive MultiVisus-LIGHT option provides less
functionality than the full versions: there is less flexibility with the
special tests, the screening tests and the advising modules.

The light system can be upgraded to the full version at any time.

MultiVisus 24" All-in-One circular LIGHT
Item number 1027038
circular polarized
Standalone with integral computer
software as LIGHT version with less modules (see above)
including near vision testing module for tablet PC,
with Apple iPad for use as remote control and for the
near vision test, further scope of delivery: WiFi router,
cordless USB mouse, aperture, wall mount

MultiVisus 24" All-in-One linear LIGHT
Item number 1027040
as above, but with linear polarization

MultiVisus 24" P circular LIGHT
Item number 1027041
circular polarized
for existing computer
software as LIGHT version with less modules
without near vision testing module
further scope of delivery: aperture, wall mount

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