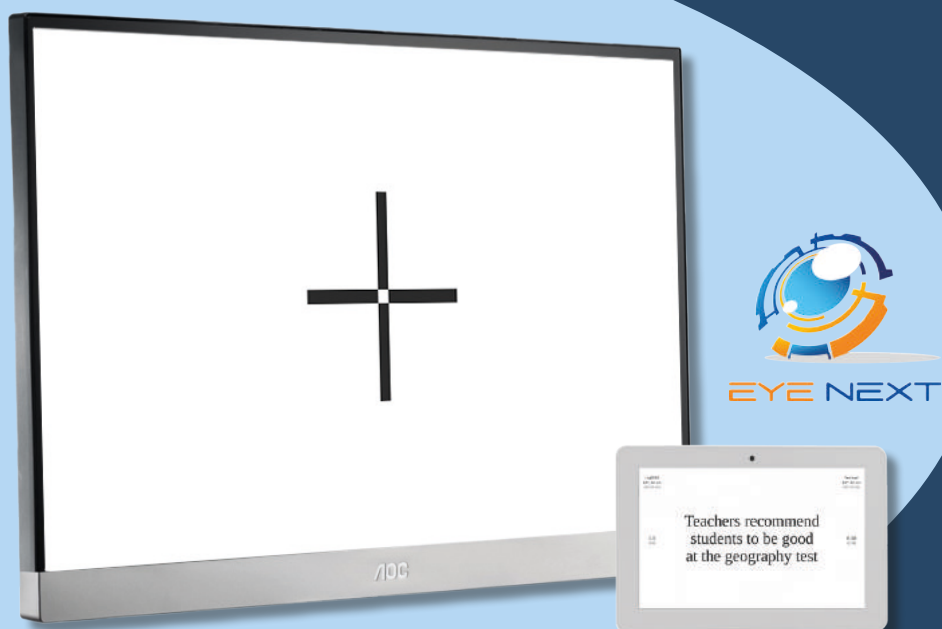


# AOC

## ADVANCED OPHTHALMIC CHART



Professional.

Intuitive.

Stylish.

...the ultimate solution for your acuity charts needs!

# INSTRUMENT SETS: AOC + NOC

Advanced Ophthalmic Chart (AOC) is a state-of-the-art digital ophthalmic chart featuring a sleek design and an extensive selection of tests conducted meticulously up to standards. AOC has a bidirectional remote console with visual display that includes optotypes for near vision eye tests (NOC).

The complete set is expertly designed and meticulously tested.

AOC gives you a sophisticated, professional, high-tech, and complete tool at an affordable price.

All-in-one LCD vision chart.

FULL-HD, LED professional monitor.

Built-in Quad Core microcomputer with LINUX operating system for lasting reliability and stability.

Testing distance can be set between 2 and 8 m. Mirror function. Customized program to streamline clinical use.

Calibrated brightness for accurate contrast levels.

Randomized optotypes. Wide-ranging applications, from severely impaired vision (0.1/10) to hyperacuity (20/10).

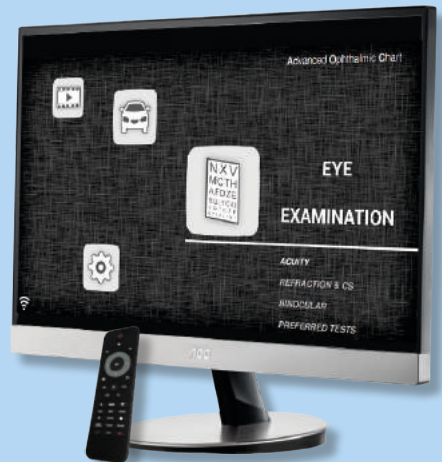
Special modes for the LOW VISION and CHILDREN examinations.

The touch screen remote console makes it immediately easy to use the instrument and puts the professional in a better working position.

Multimedia features: Full-HD videos with built-in audio, slideshows and entertainment for kids. Virtual Mirror.

The software can be easily and automatically updated free of charge.

Convenient table stand and wall mounting.



# MODELS AND SPECIFICATIONS



## AOC-24, AOC-24 POLA

ALL-IN-ONE LCD vision chart, LINUX.

VALUE-LINE: Monitor 24", LED, FULL-HD.

More than 60 dynamic, interactive tests.

5 programs: Visual Acuity, Refraction, Contrast Sensitivity, Preferred.

IR remote control.

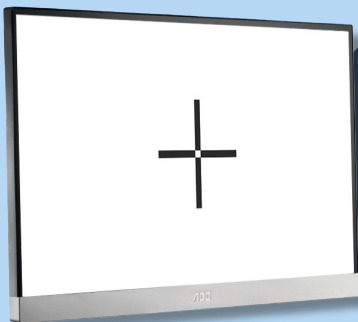
## AOC-23, AOC-27

STYLE-LINE: 23" or 27" borderless monitors, LED, FULL-HD, IPS technology.

5 programs + Automatic drivers license examination.

Near vision optotype NOC Retina Display.

Remote Console 8" touch.



## AOC-27 POLA

LCD monitor with optimal 3D circular polarization.

STYLE-LINE: 27" borderless monitor, LED, FULL-HD, IPS technology.

MKH-Haase: complete polarized sequence with "no ghost image" technology.

# EYE EXAMINATION FOR DISTANCE VISION (AOC)

All tests are dynamic and interactive. The touch screen remote console makes it intuitive to control and easy to use its features.

CHILD/ILLITERATE and LOW-VISION modes help streamline clinical use.

**ILLITERATE**

**LOW VISION**

## TEST

**VISUAL ACUITY:** Sloan Letters, Landolt Rings (ISO 8596), Tumbling E, Numbers, Snellen Letters, HOTV, Pigassou Child Symbols, LEA Child Symbols, Playstation Child Symbols, Allen Preschool, Sloan Non Random Letters, Landolt C 4 symbols.

### OPTIONS



Single character



Single row



Single column



Red/green shapes



White/black inversion

### DISPLAY MODES



no crowding



crowding

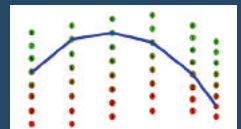
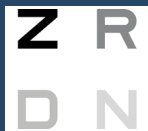


ETDRS

**ETDRS:** contrast function Tables 1, 2, R. Three view modes: standard, IOL and mesopic. Illiterate mode and masking function.

**REFRACTION:** Myopia (Red and Green), Clock Dial, Points, Half clock, Astigmatism - Fan and Block, Grid test, Binocular Balance, Amsler's Grid.

**CONTRAST SENSITIVITY:** Small Letter Contrast test, Pelli-Robson @1m, Contrast Sensitivity - Gabor patches, Ishihara color blindness test. All the optotype charts have a contrast function at 0.15 Log steps.



**BINOCULAR VISION:** Points of Fix, Worth Four Dot test, Schober test, Sheard test, Phoria & Associated Phoria tests, Aniseikonia, OXO - Mallet test, Random dots Steps/Hand, Osterberg Stereo 2/4, Duochrome, Pictures for Retinoscopy.

**MKH:** Cross test, Pointer test, Rectangle test, Stereo Triangle, Balance test, Differential D6/D8 stereo test, Stereo test, Cowen test.

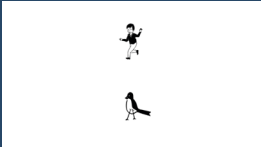
# Examples:



Sloan Letter



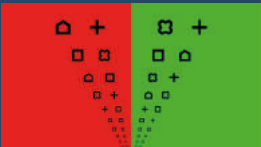
Tumbling E with single character masking



Illiterates / children chart with vertical masking



Landolt C with contrast and crowding



LEA Test with red-green shape



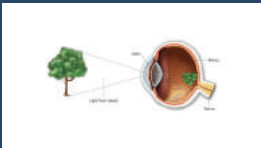
Small Letter Contrast test



ETDRS with IOL view mode



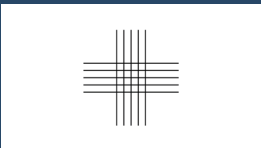
Binocular balance (\*)



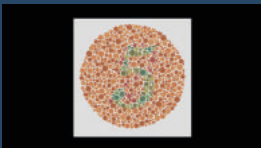
Eye Pictures



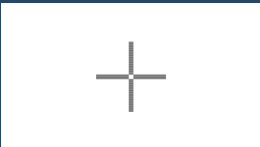
Astigmatism Fan and Block



Grids



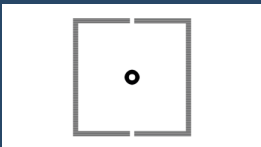
Ishihara 25 plates



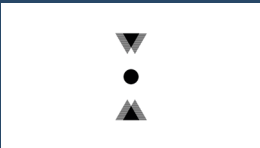
MKH Cross (\*)



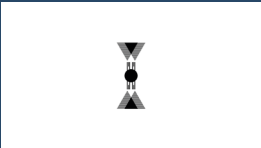
MKH Indicator (\*)



MKH Coincidence (\*)



MKH Stereo triangle (\*)



MKH Stereo Valence (\*)



MKH Random dot (\*)



MKH Differential stereo (\*)



MKH Cowen

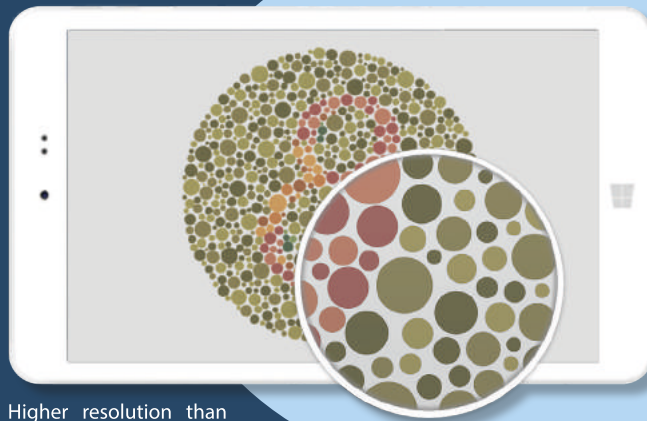
( \* )  
Positive polarized tests are available in AOC-27 Polar and in AOC-24 Polar chart panels. All other AOC vision systems implement the stereoscopic tests in red-green mode.

# EYE EXAMINATION FOR NEAR VISION (NOC)

To meet the different needs of near vision examination, the instrument set includes a Near Ophthalmic Chart (NOC).

The digital NOC optotype uses an 8" RETINA DISPLAY monitor. In keeping with high scientific standards, it gives over 40 tests, divided into reading, measurement, and quality of vision tests.

ETDRS charts 1, 2, and R for video terminals (70 cm distance examinations) and two tests for assessing reaction times to simple stimuli (light and sound).



Higher resolution than iPad Air screen!

## DRIVERS LICENSE EXAMINATION

The drivers license examination (Groups 1 and 2) can be done with an automatic procedure by merely responding "Seen/Not seen" to the stimuli. The instrument automatically calculates thresholds and then rapidly performs the following tests: Visual Acuity OD/OS, Contrast Sensitivity, Twilight Vision (mesopic visual acuity), Glare Sensitivity (set of 2 LED lamps included), Glare Recovery Time (certified LED light pen).

A report is generated at the end of the examination following the guide (available in PDF format and a pre-filled hardcopy).

EYESIGHT REPORT for driver licensing purposes			
IDENTIFICATION PATIENT DATA, DATE OF BIRTH		GROUP	
Mr. / Mrs.		1 (A, B)	
VISUAL SYSTEM DISEASES, DIAGNOSIS, NOTES		MONOCULAR <input type="checkbox"/>	REPORT BY
		RESIDUAL RISK OF PROGRESSION	17
EYESIGHT TEST		MEASURED VALUE	
VISUAL ACUITY		OD	OS
CORRECTION		0.6	0.6
REFRACTION			
CONTRAST SENSITIVITY		LOG CS: 1.5 (logCS)	
TWILIGHT VISION		VA:	0.1
GLARE SENSITIVITY			
PHOTOSTRESS RECOVERY TIME		OD	2s

My opinion as to the applicant's eyesight is that the applicant is **FIT** to drive above indicated.


Stamp

**PDF**

Adobe

# AOC TECHNICAL SPECIFICATIONS

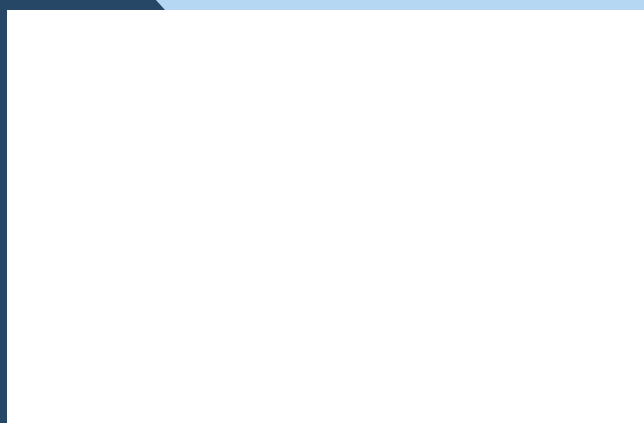
	Value-Line		Style-Line		
Model name	AOC-24	AOC-24 POLA	AOC-23	AOC-27	AOC-27 POLA
Screen size	24" 1920X1080 pixels	24" 1920X1080 pixels, 3D	24" 1920X1080 pixels	27" 1920X1080 pixels	27" 1920X1080 pixels,3D
Polarized (if yes, goggles are included)	no	yes, linear	no	no	yes, circular
Display technology	TN 16.7M colours, contrast 1000:1, LED backlight		IPS 16.7M colours, contrast 1000:1, LED backlight		
Brightness	Dynamic and calibrated background and foreground illumination, up to 250 cd/m2				
Borderless	no			yes	
Working distance	2 - 8m, step 5cm				
Remote controls (*) Remote console optional	IR, (*)		IR + touchscreen remote controle 8"		
Programs (*) Driving licence optional	Visual Acuity, Refraction, Contrast Sensitivity, Binocular, Preferred, (*)		VA, R, CS, BINO, Preferred Driving Licence with automatic examination, acces-sories and PDF report		
View Modes	Standard, Child / Illiterate, Low Vision				
Media functions	Virtual Mirror (camera 8MP), Child animation and pictures (Full-HD, Full screen), Custom video and slideshow from USB key. Speakers included.				
Software	Linux embedded, Advanced Antialiasing System (AAS), Power on by IR remote control. Log in: up to 3 users. Free software upadates				
Table standing and wall mount	Yes, accessorie included. Kensington Lock: yes.				
Dimensions, weight (package)	57x40x5cm, 5Kg (69x42x19cm, 10Kg)		53x40x5cm, 4Kg (60x47x14cm, 8Kg)	62x45x5cm, 5Kg (71x54x16cm, 10Kg)	
Power requirement	100-240V 50/60Hz Customizable standby and power-off. Standby: <0.5W.				
Power consumption	Energy Class B		Energy Class A		Energy Class A+
Regulatory	CE marking: compliant to 93/42/EEC directive (class I) UNI EN ISO 8596-8597, 2006/126/CE, 2009/113/CE				
Languages	Deutsch, English, Español, Français, Italiano				

•warranty•



The logo consists of the letters 'AOC' in a bold, dark blue, sans-serif font. It is positioned to the right of a large, light blue, curved shape that resembles a stylized eye or a lens, which is set against a dark blue background.

# AOC



Advanced Ophthalmic Chart