

Convert your Laptop/PC to A-Scan: Connect AXIA



OPTONIQ AXIA is full featured Ophthalmic Ultrasound A-Scan- Biometric Ruler, used to measure Eye Axial Length and to perform Intra ocular Lens (IOL) power calculation before cataract surgery.

The latest and uniquely designed AXIA allows you to convert your existing desktop PC/Laptop to A-Scan by adding AXIA Software and by connecting the AXIA Hardware through USB. The hardware is small in size and portable.

The single window software has many options and user friendly. Reports may be generated to view, print or save. Unlimited patient data memory is real advantage of computer.

Features:

- Compact and Lightweight ■ USB Interface to PC/Laptop
- User friendly single screen Software ■ Continuous and single reading mode
- Contact and Immersion Mode ■ Auto and Manual Biometry
- Zoomable graph display ■ Audio Feedback
- Max. 10 readings with Averaging ■ Standard deviation display
- Highest and Lowest reading indication ■ Delete and re-measure option
- Multiple IOL formula ■ Professional report print with unlimited saving

Screen Shot

The screenshot displays the OptonIQ AXIA software interface. It includes fields for Patient Info (Name: Mr Henry Fedric, ID: AA1148, Reference: Dr. Francis, Place: Carson, CA, Tel: 408-310-2275, Type: Dense Cat, Age: 63, Gender: Male). The Patient IOL Info section shows K1: 45.00 D, K2: 50.00 D, DR: -1.00. The Biometry Result (in mm) table shows measurements for ACD, LT, VIT, and AL. The ALX result is 25.22 mm. The IOL Calculation section shows various formulas and results, including PC-IOL, A-Const, ACD-Const, SF, and Ammetropia IOL. The graph shows a series of peaks representing the ultrasound wave.

Print

Bethany Specialty Eye Centre
445, South 2nd Street, San Jose, CA-95113

Dr. Mistl

A-Scan Report

Patient Name: Mr Henry Fedric, Place: Carson, CA
Patient ID: AA1148, Tel: 408-310-2275
Age: 63, Ref: Dr. Francis
Sex: Male, Eye Type: Dense Cat

Patient IOL Info

K1: 45.00, VIT: 15.32
K2: 50.00, Lens: 19.19
DR: -1.00, Avg: 15.44

Biometry Result (Mode: Auto)

	B	ACD	LT	VIT	ALX
1	3.47	2.55	20.77	26.79	
2	3.24	3.94	20.54	26.71	
3	3.24	2.78	20.38	26.40	
4	3.24	5.48	16.37	25.08	
5	3.17	5.64	16.60	25.40	
6	3.17	5.79	16.44	25.40	
7	3.17	5.79	15.52	24.47	
8	3.24	5.79	15.44	24.47	
9	3.17	5.87	15.52	24.55	
10	3.17	5.71	15.44	24.32	
AVG	3.13	4.93	17.30	25.36	
SD	0.33	1.32	2.29	0.96	

A-Scan Graph

IOL Calculation

Formula: REGRESSION EMM/AMMETROPIA

PC IOL

A-Const: 119, ACD-Const: 5.55, SF: 1.79, Ammetropia IOL: 9.98

AC IOL

A-Const: 116, ACD-Const: 3.8, SF: 0.09, Ammetropia IOL: 10.73

Aphakic Spectacle Power: 3.08, Aphakic Contact Lens Power: 4.03

Signature

Technical Specifications

Parameter	Specifications
Product	: Ultrasound A-Scan
Probe	: Solid State Type; Built-in Red Fixation Light; 10MHz
Techniques	: Contact, Immersion
Modes	: Auto and Manual Mode
Eye Types/	: Normal Phakic, Mid, Moderate, Dense Cataract,
Velocity	: PseudoPhakic PMMA, Silicon, Acrylic, and Manual Setting
Measurement	: ACD, Lens Thick, VIT, Axial Length: (15 to 40mm)
Accuracy	: 0.1mm, Resolution: 0.07mm
Gain	: Continuously Adjustable, 0-100%
IOL Programs	: Regression Emm/Ammetropia (SRK II), SRK/T, Binkhorst II Holladay With Spectacle & Contact Lens Power
Desired Ref	: Manual Entry
PC Required	: PC/Laptop with Windows OS
Interface	: High-speed USB 2.0
Reports & Printing	: Generates HTML file. Can be printed in A4 size paper with PC Printer,
Data Saving	: Unlimited Data saving on PC Hard disk
Data Transfer	: Can be transferred through CD/DVD/LAN/Email/ Pen Drive /Telemedicine
Power	: 110 VAC 60Hz (US) /220VAC 50Hz (Intl.) <250W
Unit Size	: 7.2*6.2*1.75 Inch (180*153*140 mm)
Weight	: 3 Lbs. (1.5 Kgs)
Packing Size	: 15.5*11.5*2.8 Inch (390*290*65mm)
Gross Weight	: 4.4 Lbs. (2 Kgs)

Distributor