ODU5-ophthalmic A/B mode ultrasound scanner

Adopt ARM9 Embedded Control Systems, FPGA signal processing system and elaborate selected ultrasonic hardware system。

10.4 inch high resolution LCD screen,
Menu operation Language: Chinese/English.
Double probe sockets:
A mode probe: 10MHz, imported probe with fixation light.
B mode probe: 10MHz, imported transducer.
Display mode: B, B/B, 4B, B/A, A
Gains range: 0--120dB.
Dynamic range: 30-100dB, visual and adjustable.
Gray: 256.
Intelligent TGC adjustment: 8 segments.
Build-in D disk: 4GB, save mass data, images, reports, etc.
Report function: print screen, IOL report, case report with picture, etc.

A scan

Resolution: 0.01mm
Gain adjustable: 0-120dB
Measurement range: 12-43mm(1640m/s)
Accuracy: ±0.02mm
Measuring parameter: ACD, LENS, body Length, axial length.
Eye mode: normal/aphakia/dense cataract/PMMA, Acrylic & Silicon for Pseudo Phakic eyes
Measuring Mode: Contact and Immersion, automatic and manual.
Measurement methods: A single-point measurement（under A mode）; five-point measurement（under A mode）.
Calculation: std. deviation, average, automatical measuring 8 groups and average, accompany waveform, results correctable.
IOL Formula: SRK-II, SRK-T, BINKHORST,HOLLADAY, HOFFER-Q, HAIGIS

B scan:

Scan mode: High accuracy stepping motor drive sector scan.
Scan Angle: 53 °.
Display Depth: 0～56mm
Gray: 256.
Frame frequency: 10frames/s.
depth seletion: 8.
Frame correlation: 4.
Edge enhancement:4.
Compression Curve: 4
Post-processing: 8

100 frames permanent image storage.
Cine loop: 256 frames,can measure the playback image.
Disk management.
General Measurement: multi-electronic-rule to measure distance, circumference, area(trace method, ellipse method),volume (ellipse method), angle , histogram, profile , stenosis and curvature etc.

Specification

Power supply : 100-240V～ 1.2-0.6A Frequency：50-60Hz
Adapter output: DC12.8V 3.0A