



Wellmed Pro | Wellview Universal Group

TECHNICAL DATA SHEET

FPGA signal processing system medical A scan ophthalmic ultrasound machine YSODU8

FPGA Medical A-Can Ophthalmic Ultrasound Machine signage processing system

General parameters:

Adopt ARM9 Embedded Control Systems, FPGA signal processing system and elaborate selected ultrasonic hardware system, make the machine more reliable.

Menu operation, Language: Chinese/English.

Double probe sockets: A mode probe: 10MHz, imported probe with fixation light; B mode probe: 10MHz, imported transducer.

Preset items:

a)System setting

(hospital name, mode selection, date/time and its format, probe protection time, help, keyboard sound etc.)

(b) IOL setting

(c) Network setting, DICOM3.0

d>Password setting

e)Software upgrade

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.

Dual-mode TV output: PAL/NTSC, connecting to video recorder and ultrasonic working station.

DICOM3.0 network port, realizing network transmission easily.

Power supply : AC110/230V -15%~+10%(self-adaption supply voltage) 60/50Hz±1Hz.

Net weight.: 8kg.

Dimension: 400x186x385mm(length x width x height).

A scan parameter:

Measuring range:15-35mm.

Measuring 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.

Calculation: std. deviation, average, automatical measuring 8 groups and average, accompany waveform, results correctable.

Measurement methods: A single-point measurement(under A mode); five-point measurement(under A mode).

IOL Formula: SRK-II, SRK-T, BINKHORST,HOLLADAY, HOFFER-Q, HAIGIS, any of two groups can control display. Calculate IOL, DEM, DAM, REEF, etc. And long term save 100 groups of measurement results of A scan.

A single point measurement

Magnification: ×1.0,×2.0,×4.0.

Display Depth: 0 ~ 36mm, delayed depth: 0--36mm.

B scan parameter:

Scan mode: High accuracy stepping motor drive sector scan.

Scan Angle: 53°.

Display Depth: 0 ~ 88mm (incl.delayed depth).

Delayed depth: 25--32mm.

Gray: 256.

Frame frequency: 30frames/s.

depth seletion:8.

Frame correlation: 4.

Edge enhancement:4.

Compression Curve: 8.

Post-processing: 8.

Eight Pseudo colors:8 kinds (incl. B/W).

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.

Standard configuration:

Main Unit: 1 pc

2. 10MHz mechanical sector B probe: 1 pc.

3. 10MHz A probe : 1 pc.

4. Calibration cup: 1 pc

Optional configuration:

1. Prager shell for immersion mode

2. Trolley

3. Video recorder

4. Laser printer

5. Foot switch

Panama | Central America | Caribbean | CARICOM

Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.