

One vision, Two sharp eyes with Our Innovation

UD-1000&6000

Ultrasound Technology



- High Resolution Annular Array B-Probe
- Automated Video Recording
- Area & Distance Measurement
- Touch Screen
- Memory Card
- A-Scan Biometry (UD-6000 only)
 - Measure Axial Length & Calculate IOL Power
 - Six IOL Formulas

UD-1000 & 6000 SPECIFICATIONS

Measurement Ranges

B-Scan Picture	10 MHz, 20MHz(OP)&40MHz(OP)
Probe A-diag Frequency	10 MHz(OP)
Probe BIO Frequency	10 MHz

Image Adjustment

Total Gain	1-60 dB
Near Gain	1-40 dB
Far Gain	1-40 dB
Contrast	1-60 dB

Image Display Range

Sector Angle	46.4 deg
Depth	34.5/46 mm
Vector A	117 Lines, 460 Points

Gray Scales

256

Zoom

Move Function

Monitor

10.4 inches Color LCD

Recording

Video Outlet, RS-232 Interface,
Thermal Printer (UD 6000 only)

Size

360 mm (W) x 427 mm (D) x 346 mm (H)
14.2" (W) x 16.8" (D) x 13.6" (H)

Weight

14 kg (30.9 lbs.)

Power Supply

AC 100-240V, 50/60 Hz, 80 VA

Biometer (UD-6000 only)

IOL Storage Capacity 10

IOL Calculation Formula Haigis, Haigis Optimized,
Holladay, SRK-II, SRK-T, Showa

Measurement Accuracy ± 0.1 mm

Measurement/Object Range

Axial Length	15.00-40.00 mm
Anterior Chamber Depth	1.80-7.00 mm

Eye Modes

Normal, Dense Cataract,
Aphakic, Pseudophakic



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Capture Critical Eye Measurements
with Maximum Precision



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 - Measure Axial Length & Calculate IOL Power
 - Six IOL Formulas
- UBM function (option)
- Data transfer through the LAN cable



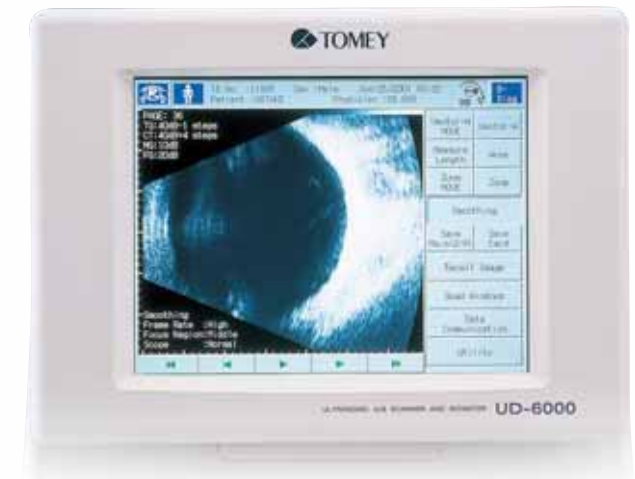
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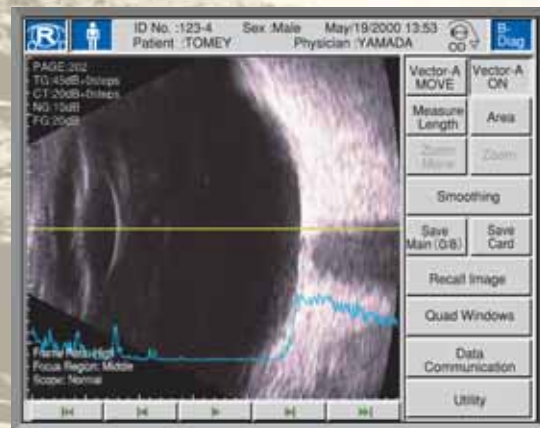
Capture Critical Eye Measurements with Maximum Precision

The UD-1000 & 6000 incorporates the latest ultrasound technology for eyecare specialists. It is the ideal choice for the modern diagnostic laboratory. The UD-1000 & 6000 provides B- Scan diagnosis, B-Scan axial length approximation & an optional A-Scan diagnostic function.

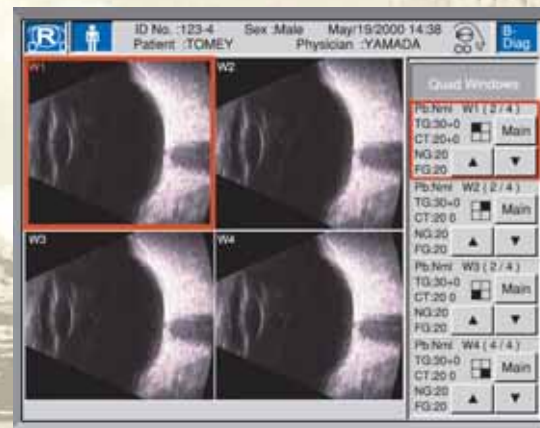


Ultrasound B-scan

The UD automatically saves up to the last 202 video image (last 20 seconds) of data acquisition as a video file. The image can be recalled individually or played back in video sequence. Additionally, the built-in zoom function enables detailed area to be enlarged for study. The image may also be printed using the optional video printer and/or transferred to a computer. Patient data & images can be stored on the optical Memory Card.



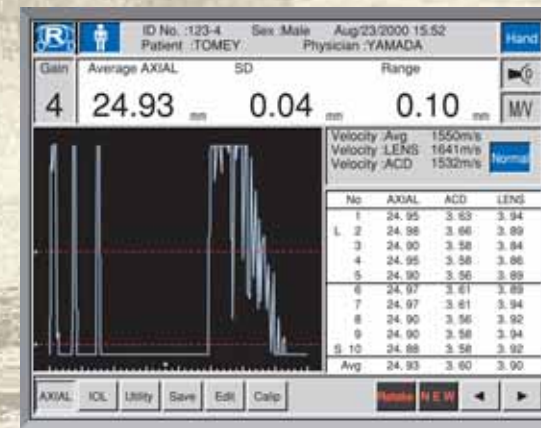
Detailed resolution & an Extremely clear image of the whole eye.



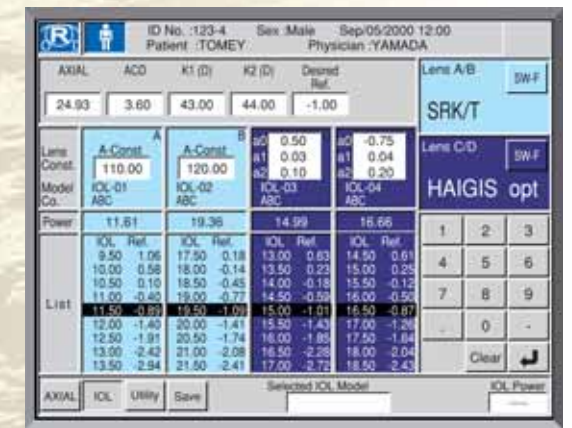
Multiple Display & zooming are just two of various features.

Biometer Function (UD-6000 only)

The UD-6000 has a sophisticated biometer function that allows you to measure axial length and calculate IOL power using five formulas, SRK II, SRK/T, Holladay, Haigis, Haigis Optimized & Showa. Up to three lens constants and the corresponding IOL can be displayed for each formula. Two different conditions can be shown on one screen.



Biometer Mode



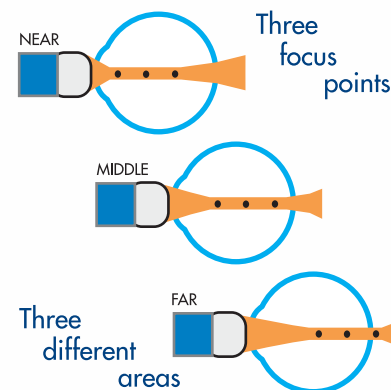
IOL Power Calculation

The Annular Array Probe



Annular Array Probe

The "Dynamic Multi-Focus System" scans near, middle & far points, compared to ordinary single focus systems that scan at one fixed distance providing only images of a single location. The multi-focus probe delivers detailed images of all ocular locations.



Data transfer through the LAN cable

Data transfer through the LAN cable makes it possible to send Jpeg image to your computer for direct data storage.



Touch Screen Operation

Touch Screen Operation

The touch screen operation is quick and intuitive, allowing you to easily change parameters, select options, and switch between save and play back the video images. Even the distance and area measurements are only a single touch away!

UBM function (option)

The UBM probe (UD-6010) can be connected to UD-1000&6000.

This UBM function will help your anterior area analysis.



Data Storage

The UD-1000 & 6000 provides a compact flash that stores data.

Additional compact flashes are available to expand storage capacity.

