

# ULTRASOUND DEVICE UD-8000

## MODULAR B-SCAN SYSTEM

# DELIGHT IN SIGHT

Outstanding B-scan images.  
Detailed, clear and 1000%  
reliable.



- Annular array multi-frequency B-probe
- High resolution touch-screen operation
- Video recording and analysis function
- Data communication via USB or LAN
- Docking station Bio- / Pachymeter (AL-4000, optional)
- UBM 60 MHz B-probe (optional)

 **TOMMY**  
TECHNOLOGY AND VISION

# THE TOMHEY ULTRASOUND DEVICE UD-8000



## QUALITY IN DETAIL

The **UD-8000** was developed to satisfy all your expectations. Features like the new generation of annular array probes, high resolution touch-screen operation or data communication via USB or LAN make this device easy in handling as well as efficient and fast in operation.

To upgrade the unit to an ultimate ultrasound workstation you can connect the **AL-4000** Bio/Pachymeter (optional) to the **UD-8000**.

B-scanner, Biometer, Pachymeter and A-Diagnostic – all in one.

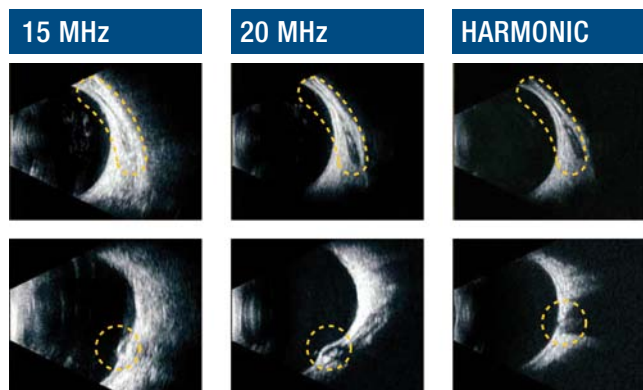
## INNOVATIVE VIDEO ANALYSIS FUNCTION

The intuitive touch-screen operation including video analysis function offers you many options like variable scope mode (standard: 42 mm, wide: 54 mm), automated video recording with several calculations (area, distance and angle) and individual video editing.



## MULTI-FREQUENCY B-PROBE

The standard probe is a multi-frequency probe which is switchable from 15 MHz to 20 MHz within the measurement. Additional you have a harmonic wave analysis for more details with the identical penetration – all in one probe!



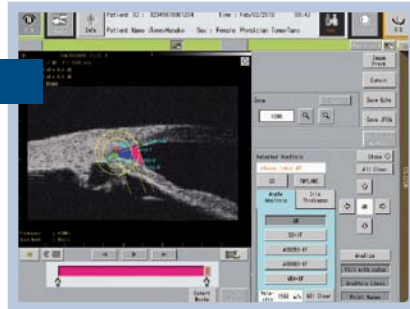
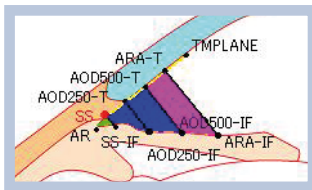
Presented by Fukuoka University, Japan  
Faculty of medicine, department of ophthalmology

# DELIGHT IN SIGHT

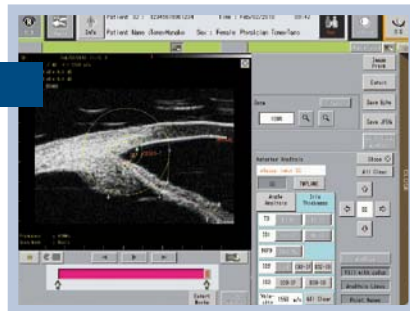
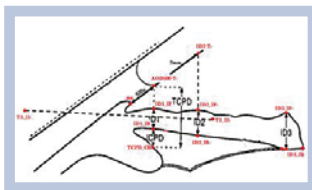
## 60 MHZ UBM (OPTIONAL)

Membrane waterproofed cap (disposable) provides fast and easy testing without the need of a water bath. Due to this technology you are able to examine your patient in an upright position.

### ANGLE ANALYSIS



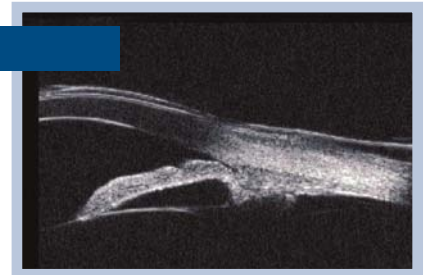
### IRIS ANALYSIS



### MEMBRANE CAP

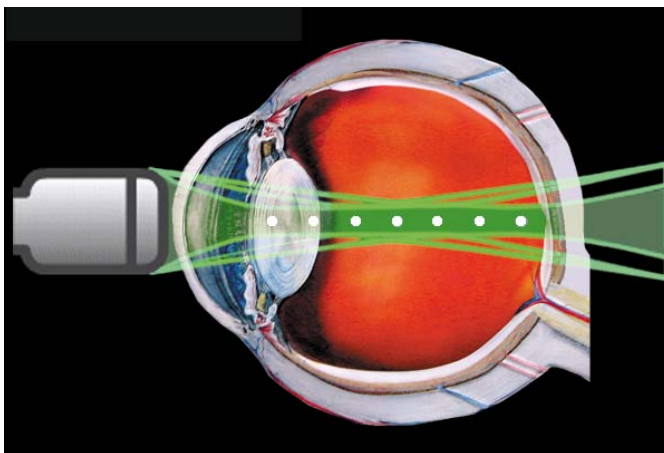


### UBM



## DYNAMIC FOCUS

Compared to standard linear scanners (with only one focus plane) our Tomey annular array technology provides amazingly detailed and clear B-scan images of the entire eye thanks to its five focal planes.



## A-DIAGNOSTIC (OPTIONAL)

The ultimate solution for a complete ultrasound device. Just use the surface of the UD-8000 with the software of the AL-4000 incl. A-Diagnostic (optional) to fulfil all your needs.



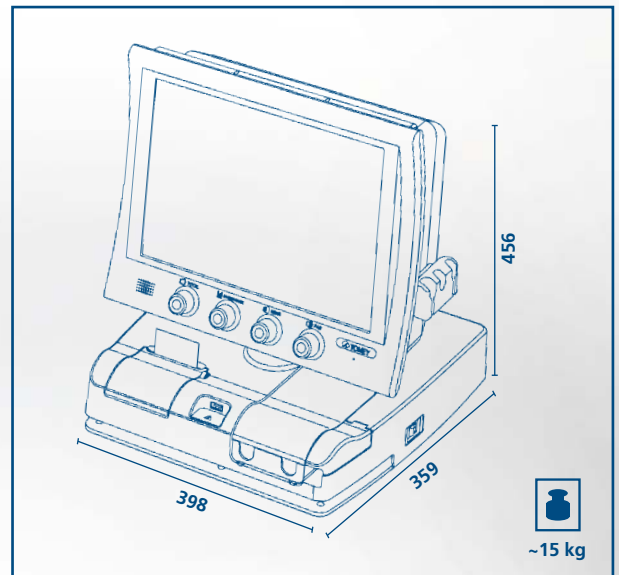
## SPECIFICATIONS

<b>15 MHZ B PROBE</b>	
<b>Focus</b>	Dynamic Focus
<b>Frame rate</b>	
<b>Basic mode</b>	22 frame / sec
<b>High sensitive mode</b>	11 frame / sec
<b>Maximum number of pages in a movie</b>	400 pages x 2
<b>Image display range</b>	
<b>Standard</b>	42 mm / 52° (at ultrasound velocity = 1550 m/sec)
<b>Wide</b>	54 mm / 52° (at ultrasound velocity = 1550 m/sec)
<b>Colour scale</b>	256 scale level
<b>Scan type</b>	Sector scanning
<b>Transducer type</b>	Annular array
<b>Transducer frequency</b>	15 MHz
<b>60 MHZ UBM PROBE</b>	
<b>Frame rate</b>	
<b>Basic mode</b>	10 frame / sec
<b>High sensitive mode</b>	7 frame / sec
<b>Maximum number of pages in a movie</b>	100 pages x 2
<b>Image display range</b>	9 mm (W) x 7 mm (D) (at ultrasound velocity = 1550 m/sec)
<b>Colour scale</b>	256 scale level
<b>Scan type</b>	Linear scanning
<b>Transducer type</b>	Single
<b>Transducer frequency</b>	60 MHz
<b>DIMENSIONS AND WEIGHTS</b>	
<b>Dimension (WxDxH)</b>	398 x 359 x 456 mm
<b>Weight</b>	15.0 kg
<b>DISPLAY</b>	
<b>TFT LCD</b>	15", colour touch screen
<b>POWER SOURCE</b>	
<b>Input voltage</b>	100-120 V / 220-240 VAC
<b>Frequency</b>	50 / 60 Hz
<b>Power consumption</b>	125 / 125 VA



UD-8000 with 60 MHz UBM Probe and AL-4000 Bio/Pachymeter

## DIMENSIONS



2011/09 - subject to change without notice

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