

One vision, Two sharp eyes with Our Innovation

# UD-8000

Ultrasonic B Scanner



- Unique Probe and Components
- High-resolution
- Versatile Functions
- 60MHz (UBM)
- Membrane cap (Disposable)

## UD-8000 SPECIFICATIONS

### [15MHz Probe]

Focus		Dynamic Focus
Frame rate	Basic mode	22 frame / sec
	High Sensitive mode	11 frame / sec
Maximum number of pages in a movie		400 pages x 2
Images display range	Standard	42mm / 52° (at ultrasound velocity=1550 m/sec)
	Wide	54mm / 52° (at ultrasound velocity=1550 m/sec)
Color scale		256 scale level
Scan type		Sector scanning
Transducer type		Annular array
Transducer frequency		15MHz

### [60MHz Probe]

Frame rate	Basic mode	10 frame / sec
	High Sensitive mode	7 frame / sec
Maximum number of pages in a movie		100 pages x 2
Images display range		9mm(W) x 7mm(D) (at ultrasound velocity=1550 m/sec)
Color scale		256 scale level
Scan type		Linear scanning
Transducer type		Single
Transducer frequency		60MHz

### Dimensions and weights

Dimension	398(W)x359(D)x456(H)mm
Weight	15kg

### Display

TFT LCD	15 inches, color touch screen
---------	-------------------------------

### Data output type

LAN/HDMI / USB-Hx3 / USB-Dx2

### Power source

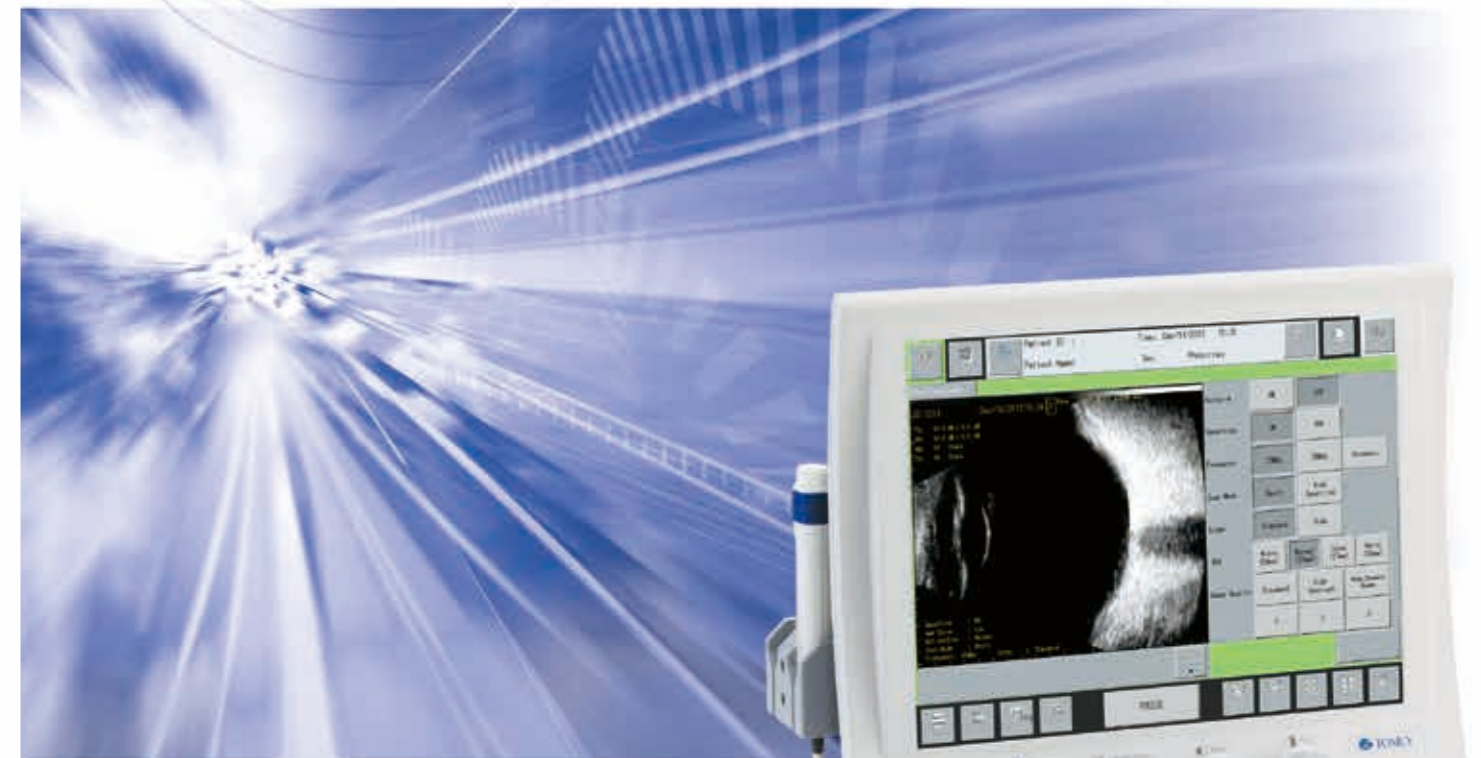
Input Voltage	100-120V / 220-240VAC
Frequency	50/60Hz
Power Consumption	125/125 VA

One vision, Two sharp eyes with Our Innovation

# UD-8000

Full Digital Ultrasonic Technology

## Ultrasonic B Scanner



- Unique Probe and Components
- High-resolution
- Versatile Functions
- 60MHz (UBM)
- Membrane cap (Disposable)



#### Tomey Corporation [Asia-Pacific]

2-11-33 Noritakeshinmachi  
Nishi-Ku, Nagoya, 451-0051, Japan  
Tel: ++81-52-581-5327  
Fax: ++81-52-561-4735  
E-Mail: intl@tomey.co.jp

#### Tomey GmbH [Europe]

Am Weichselgarten 19a  
91058 Erlangen, Germany  
Tel: ++49-9131-77710  
Fax: ++49-9131-777120  
E-Mail: info@tomey.de

For more information, visit our web site <http://www.tomey.com>

©2015 Tomey Corporation. Specifications are subject to change without notice. Any products mentioned herein are registered trademarks of their respective owners.





One vision, Two sharp eyes with Our Innovation

# UD-8000

Ultrasonic B Scanner

# “Ergonomic Design and Intuitive Software For All Digital Generations”

## Unique Probe and Components

Up to 4 probes  
 B-Scan: 15MHz(20MHz),  
 Switching Frequency in 15MHz B-Probe (15MHz, 20MHz, Harmonic)  
 \*Options : 60 MHz(UBM) Probe  
 AL-4000 (A-Probe/A-Diagnostic, Pachymeter Probe)

## Extra High-resolution

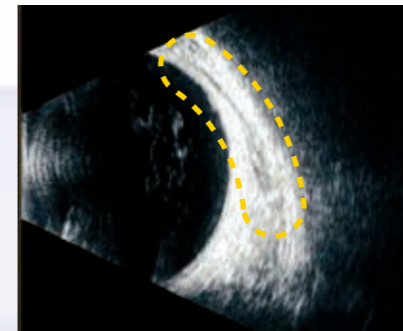
5 Rings Annular Array B-Probe  
 Wide Dynamic Range of 2 Gradual transmissions  
 and 6 Gradual Receptions for Dynamic Focus

## Versatile Functions

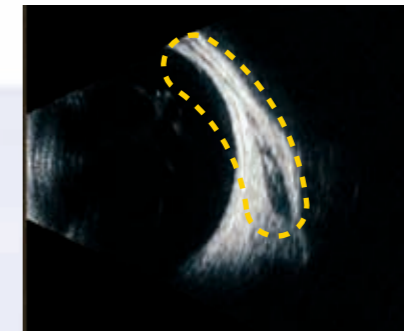
- 15" TFT Color Touch Screen Operation
- Scope mode (Standard:42mm, Wide:54mm)
- ROI setting (Micro, Normal, Long, Retrobullbar)
- B-Axial (Biometry support function)
- Automated Video Recording  
 (Maximum of 400 images of the 15MHz B-Probe  
 or maximum of 100 images of the 60MHz UBM Probe)
- Zoom (5 steps/100%, 125%, 150%, 200%, 300%)
- Area, Distance and Angle Calculation
- R/L Display
- Dual Display
- Thumbnail Images
- Group Save, Group Export
- On Screen annotation
- Vector Mode-A
- USB Memory



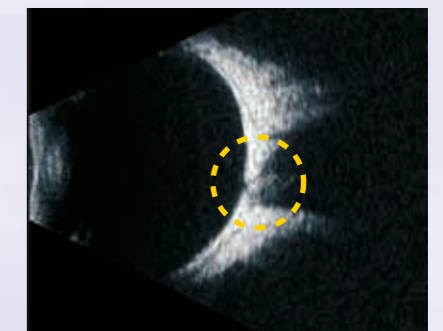
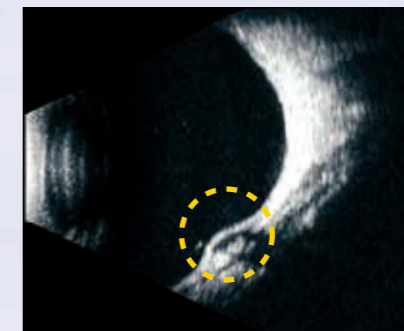
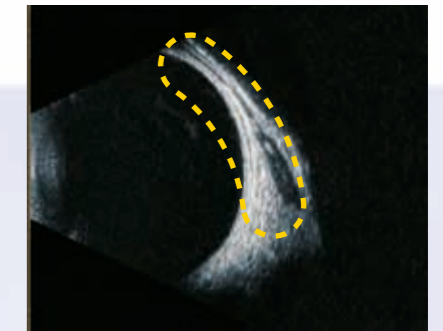
15MHz



20MHz



Harmonic



Presented by Fukuoka University, Japan  
 Faculty of Medicine, Department of Ophthalmology

### Option

#### 60MHz(UBM)

Linear Scanning  
 Membrane cap (Disposable)  
 provides fast and easy testing  
 without water bath

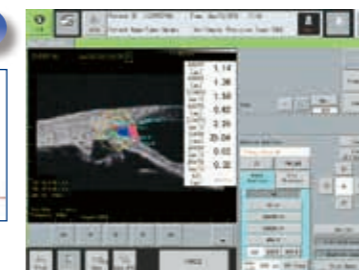
Membrane cap



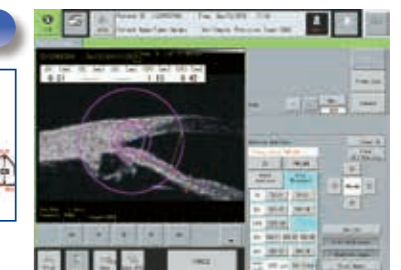
UBM



#### Angle Analysis



#### Iris Analysis



15MHz B-Probe

