

TH-280Pro Full-digital Ultrasound Diagnostic System



Premium product, discount price

Boasting excellent performance price ratio, TH-280Pro is a new rising star of Teknova B/W series of ultrasound products. It has one of the largest installment base in the middle end of China's public healthcare system.

Features:

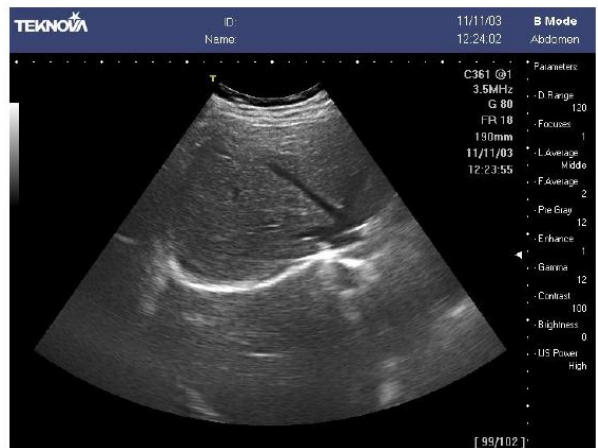
- * Multi-application: abdomen, OB/GYN, vagina, small parts, urology, peripheral vessels, cardiac, rectum, pediatric, biopsy
- * High-precision DBF
- * Windows XP O/S
- * Multi-frequency transducer series
- * Max frequency up to 10MHz
- * Supportive of all PC printers and video printers
- * SRI (Speckle Reduction Imaging)

SRI Closed



Hepatic Vein

SRI Open



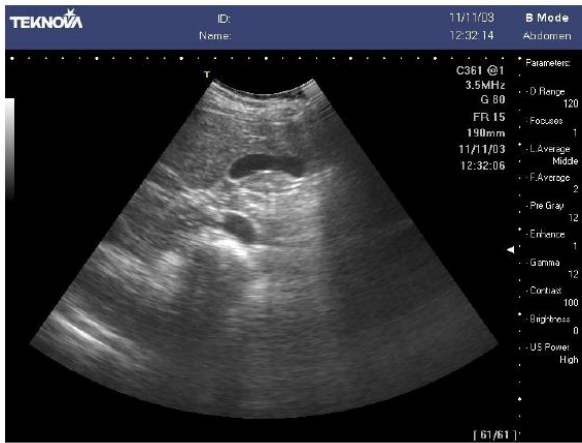
Hepatic Vein



Renal hilus



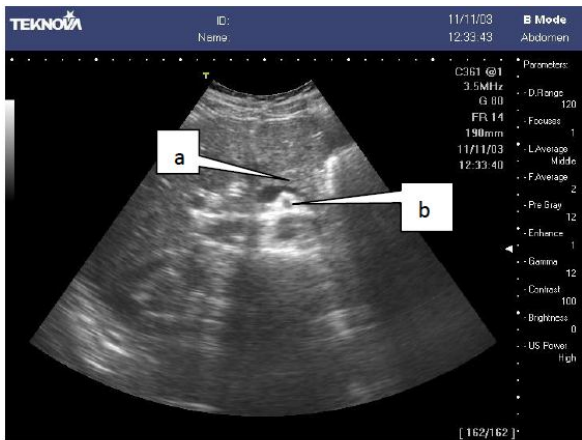
Renal hilus



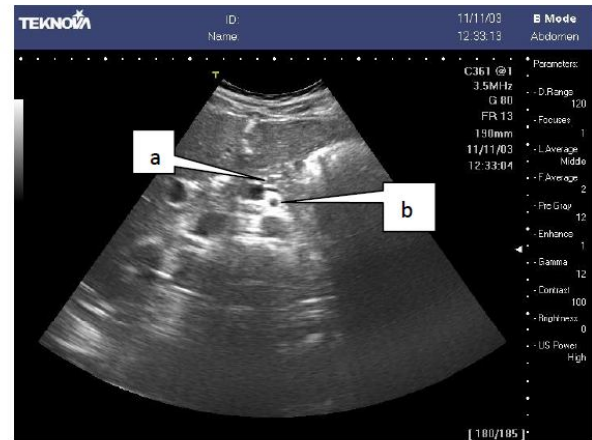
Gallbladder



Gallbladder



Pancreas (a) & Superior mesenteric artery (b)



Pancreas(a) & Superior mesenteric artery(b)

Standard configurations:

TH-280Pro main unit

15" high resolution non-interlaced LCD monitor, special for medical imaging

Two transducer connectors

THI

SRI

Max. 512-frame cine loop

320G HDD

DICOM3.0

Two USB ports

Measurement & calculation software packages

English, Spanish, French interface

Electronic convex array transducer: CA3.5MHz/R50 (2.5/3.5/4.0/5.5MHz)

Options:

Electronic linear array transducer: LA7.5MHz/L40 (5.0/6.0/7.5/10.0MHz)

Electronic endocavity transducer: EV6.5MHz/R10 (5.0/5.7/6.5/8.0MHz)

Electronic micro-convex array transducer: CA3.5MHz/R20 (2.5/3.0/3.5/4.0/4.5MHz)

Footswitch

Needle-guided brackets

DVD-RW

Technical Specifications:

General Descriptions

Imaging mode:	B, B+B, B+M, M,
Gray scale:	256
Display:	14" non-interlaced
Transducer frequency:	2.0 ~ 10MHz
Transducer connector:	2
Beam-forming:	DBF (Digital Beam-forming) DFS (Dynamic Frequency Scan) ATF (Adjustable 4 Bands Transmitting Focusing) DRF (Dynamic Receiving Focusing) WAT(Wide Aperture Technology) RDA (Real-time Dynamic Aperture)
Scanning angle (°) :	>70 degree

Scanning depth (mm) : 24 cm

Image Processing

Pre-processing: 8-segment TGC
gross gain
dynamic range ($\geq 120\text{db}$)
pre Gray
smooth
acoustic power adjustment
focus number setting

Post-processing: edge enhancement
frame correlation
 γ -correction
contrast
brightness
black-white reverse
left-right reverse
up-down reverse

Functions

Cine loop: 512-frame cine loop memory
Storage media: 320GB HDD, USB, DVD-R/W
Zoom: Real-time partial zoom (11 levels)

Measurement & Calculation

B-mode: distance, circumference, area, volume, angle, residual urine
volume, histogram, profile

M-mode: distance, time, velocity, heart rate

Software packages: abdomen, gynecology, obstetrics, cardiology, small parts,
peripheral vessels, orthopedics, urology

Others

Peripheral port: video output 2
USB port 2
DICOM3.0 1 (option)

Power supply: 220V \pm 22% 50Hz \pm 1Hz

Net weight: 53Kg

NOTE: specifications subject to change without prior notice.