

## 100600 iU22 UltraSound System

**System Type:** New  
**Freight Terms:** FOB Destination  
**Warranty Terms:** Part numbers beginning with two (2) asterisks (\*\*) are covered by a Per Contract. All other part numbers are third (3rd) party items.  
**Special Notations:** Contingencies must be removed 120 days before scheduled shipment to assure delivery on specified date.  
**Additional Terms:** Any rigging costs are the responsibility of the Purchaser.

Line #	Part #	Description	Qty	Each	Price
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1	**NNAP011	iU22 Vision 2011	1		
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**Intelligent Design****Ergonomics:**

Unique human-centered design for comfort and convenience  
 Fully articulating flicker-free 20-inch wide format high resolution flat panel TFT/S-IPS display with nearly infinite positioning adjustments  
 Fully articulating control panel, including height, swivel, and slide  
 Easy access transducer connectors and integrated cable storage  
 Digitally enhanced 8 speaker high-fidelity stereo audio  
 Integrated footrest  
 Integrated storage shelves  
 4 wheel swivel and swivel/brake lock control

**Architecture**

xSTREAM system architecture with capability of processing multiple data streams simultaneously built for 2D, 3D, 4D, MPR, Live Volume Imaging and Live xPlane imaging  
 Next generation digital broadband acoustic beamforming, built for latest pulse shaping and coding techniques  
 Up to 57,000 total digital channels  
 High-bit, low noise, digital circuitry achieves system dynamic range up to 180dB for improved 2D performance and increased Doppler sensitivity  
 New Adaptive Broadband flow imaging automatically adjusts bandwidth for optimal flow sensitivity and resolution  
 Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight  
 XRES Adaptive Image Processing for noise and artifact reduction to improve tissue conspicuity  
 Fully independent, multiple mode Triplex operation

**Transducers**

Supports new Explora family of transducers that feature:  
 Ergonomic designs with lightweight flexible cables  
 New low-loss technology for better penetration with fewer artifacts  
 Breakthrough frequency bandwidths and array configurations

**Intelligent Control****Interface**

High-resolution interactive graphical color touch panel with adjustment for various ambient light conditions  
 Easy access primary controls with tri-state backlighting and multi-function controls  
 Control panel operation of on-board peripheral devices  
 Pull out alphanumeric keyboard for manual data entry  
 User interface configurable for languages

**Automation**

iSCAN intelligent one-button optimization in 2D and Doppler modes  
 iFOCUS intelligent focusing capability for one-button optimization of focal range size and position  
 iOPTIMIZE intelligent optimization technologies for one-button approach to instantly adapt

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performance for different patient sizes, flow states and clinical requirements  
 High-Q Automatic Doppler Analysis  
 Intelligent Tissue Specific Imaging  
 Application-specific and user definable Quicktext Automatic Annotation  
 QuickSAVE User Defined Programs (up to 45 per transducer)

#### Data

On-board workstation-class data management with thumbnail previews and storage of images, loops, and reports  
 Retrospective and prospective clip capture to internal drive or removable media  
 Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility  
 DICOM 3.0 Print and Store capability to internal drive or DVD/CD

#### Other Core Features

Color Power Angio  
 Tissue Harmonics and Pulse Inversion Harmonic Imaging  
 Basic 3D Imaging capability with MPR visualization feature  
 2D, M-Mode, Pulsed, High PRF, Color Flow Doppler  
 Duplex CW Doppler  
 ECG capability  
 Cineloop Image, M-mode and Doppler Review  
 High Definition Write Zoom and Read Zoom with pan features  
 Chroma Imaging  
 Measurement tools including: distance, depth, area, and circumference  
 Volume Flow Measurements  
 Ability to send X,Y & Z volume MPR's to most PACS.

2	**NNAP084	Efficiency Pkg.	1		
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#### Efficiency Package

The iU22 Efficiency Package offers a unique combination of features designed to improve workflow and productivity. The package includes Netlink DICOM 3.0, Panoramic, SmartExam, and iCommand options.

#### Netlink DICOM 3.0

DICOM 3.0 compliant with support for the following functions: performed procedure step, storage commit, modality worklist, vascular structured reporting, OB structured reporting, GYN structured reporting, and cardiac structured reporting.

#### Panoramic

Real-time extended field-of-view composite imaging acquired in fundamental or SonoCT mode.

#### SmartExam

SmartExam system-guided protocols with new features that include exam record and automatic mode switching to greatly improve workflow efficiencies

#### iCommand Intelligent Voice Control and Headset

Exclusive Philips voice recognition engine, allowing 'hands free' system control during difficult scanning examinations. Includes one headset.

3	**NUSD332	Vascular Clinical Option Package	1		
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**100600 IU22 Ultrasound System**

Line #	Part #	Description	Qty	Each	Price
		Includes the following:			
		<ul style="list-style-type: none"> <li>• Abdominal Clinical Option</li> <li>• Vascular Clinical Option</li> <li>• Contrast Clinical Option</li> <li>• TCD Clinical Option</li> </ul>			
4	<b>**NUSB806</b>	<b>Intima Media Thickness (IMT) Quantification</b>	<b>1</b>		
		Provides automated measurements of intima media thickness in carotids and other superficial vessels. Eliminates the laborious process of manually positioning cursors minimizing the time needed to complete an IMT study. PC Requirements for IMT ROI Parametric and Strain Plug-ins			
		<ul style="list-style-type: none"> <li>• Windows 2000/XP PRO Operating System</li> <li>• 800 MHz Processor Speed</li> <li>• 512 MB RAM</li> <li>• 1024 x 768 Color Resolution (24 bit color)</li> <li>• 24x CD-ROM drive</li> <li>• 5.25" MOD drive (if transferring 2D files from SONOS to QLAB)</li> <li>• 3.5" MOD drive (if transferring 2D files from HDI to QLAB)</li> </ul>			
5	<b>**NUSA406</b>	<b>Vascular High Frequency Transducer Package</b>	<b>1</b>		
		Linear array transducers for high resolution superficial vascular and intraoperative vascular applications. Includes the L17-5 and L15-7io transducers. Other applications addressable with this bundle include small parts, breast and musculoskeletal imaging.			
6	<b>**FUS7262</b>	<b>S5-1 Purewave Broadband Phased Array Transducer</b>	<b>1</b>		
		Sector array transducer with 5 to 1 MHz extended operating frequency range for adult cardiology adult abdominal vascular, adult renal and TCD applications			
7	<b>**FUS7271</b>	<b>L9-3 Broadband Linear Array transducer</b>	<b>1</b>		
		Linear Array transducer with 9 to 3 MHz extended operating frequency range for cerebrovascular and peripheral vascular applications, to include deep venous imaging. Provides unprecedented clinical performance for demanding vascular exams.			
8	<b>**FUS7272</b>	<b>L12-5 50mm Broadband Linear Array transducer</b>	<b>1</b>		
		Fine pitch, 256 element, high resolution linear array transducer with 12 to 5 MHz extended operating frequency range for high resolution superficial applications, including small parts, breast, vascular and musculoskeletal imaging.			
9	<b>**FUS7285</b>	<b>C5-1 Broadband Curved Array Transducer</b>	<b>1</b>		

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PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. Must be at Vision 2008 or must purchase Vision 2010 or higher software upgrade.

iU22 customers:

C5-1 PureWave Curved Array for high performance OB/GYN, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.

iE33 customers:

For general purpose adult abdominal vascular and OB fetal echo applications.

10	<b>**FUS7000</b>	<b>English Manual</b>	<b>1</b>		
		Operation Manual			

11	<b>**NUSA581</b>	<b>Internal Color Printer</b>	<b>1</b>		
		Small Color Printer			

12	<b>**FNA8170</b>	<b>1 Day PAS Onsite</b>	<b>2</b>		
		<b>1 Day PAS Onsite</b> - Ultrasound system or upgrade onsite training provided by a PAS (Product Applications Specialist) for specific system applications or upgrades; not per modality. <i>Education is provided Monday - Friday during normal business hours.</i> Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by the appropriate healthcare professional as identified by the department director. <i>Repeat training for staff non-attendance will not be accepted.</i> Site must be patient-ready to meet training expectations. All onsite training day expires within 90 days from system or upgrade installation date. Exceptions are for 3D Stress onsite training (which expires 9 months from system or upgrade installation date) and Fusion & Needle Navigation onsite training (which expires 180 days from system or upgrade installation date).			

13	<b>**FNA8172</b>	<b>1 Day ENT ACT w/Travel</b>	<b>1</b>		
		<b>1 Day Entitlement ACT with Travel</b> - The 1 Day Advanced Customer Training (ACT) course with travel consists of advanced intensive training on the selected ultrasound system and includes the corresponding travel package.			

Entitlement Advanced Customer Training (ACT) Tuitions expire within 180 days from system or upgrade installment date. Due to travel and scheduling requirements, a twenty-one (21) day notification of cancellation is required or training / education entitlements will be forfeited. Curriculum is subject to change without notice.

Travel & Accommodations for one (1) registered attendee. Includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for 1 day. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process.

14	<b>**FNA8204</b>	<b>1st SVC Manual for Gov</b>	<b>1</b>		
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