




Sunny Medical Equipment Limited

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Digital Human Anatomy System

Name& Model	Illustration	Function Characteristics (Parameters) Introduction
<p>Virtual Autopsy Table SY-YU01 USD32,980</p>		<ol style="list-style-type: none"> Overview of Software: SUNNYMED Digital human is the serial section data of human body , picture segmentation、reconstructing the 3D structure, among the male serial section data 2,110 layers,depth of stratum0.1mm—1mm and the female 3,640 layers, depth of stratum0.1mm-0.5mm; at last to reconstruct over 5,000 3D anatomic structures. it is result which medical science combine with computer technology. According to content of teaching program, the operation and use are very easy. Up now , SUNNYMED Digital human is the only product of 3D reconstruction by sectional data .it pass the identification of Chinese Society for Anatomical Sciences System features <ol style="list-style-type: none"> Accurate data and clear images: The system combine with image of CT/MRI, scanning space between 1mm-3mm, in Male;1mm-4mm in female. among head and chest by 1mm. 3D structure is elaboration and reality: The anatomical system of SUNNYMED Digital human show by high resolution of 4K Rich in function and easy to operate: the system has designed a variety of quick and convenient functions, including: background switching, tagging, separation, transparency, dyeing, peeling, searcing, Chinese and English, easy drawing, etc.. Hardware <ol style="list-style-type: none"> Size: long 2260mm; wide 707mm; high 750mm. Weight 85Kg Display: 2* 47 inch LCD screen spliced, super narrow 3.5mm seam Resolution: 3480*1080, brightness 450 cd/m2, contrast (static): 5000:1, multi touch system, visual angle 175 degrees. Computer: CPU I5, 8G DDR3 memory, 240 solid-state hard disk or 500G mechanical hard disk, wireless network card, 2G independent video card to support 4K output Exhibition mode Full touch operation display



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Name& Model	Illustration	Function Characteristics (Parameters) Introduction
<p>Digital Human Anatomy System SY-YU02 USD24,000</p>		<ol style="list-style-type: none"> 1. Chinese-English bilingual teaching, One-touch switching 2. Tiles preset, easy to call quickly: This software has a courseware production module to make the lesson plans as teaching courseware containing digital human presets and place them on the main interface as tiles, which can help the teacher quickly call up the set 3D human body structures during the lecture. There are more than 370 preset tiles in this software, moreover, CT and MR images corresponding to the sectional images of specimen are also configured. 3. The digital human anatomy system based on the 3D reconstruction of continuous real sectional images: The system is developed with continuous real sectional images of human specimen and more than 5000 three-dimensional reconstructed anatomical structures. The raw data is complete without any missing, even the appendix, teeth and testis are normal. Layer spacing of the transverse sections is as follows: distance is $\leq 0.5\text{mm}$ in the head and neck but $\leq 0.1\text{mm}$ in the skull base, and it is $\leq 1.0\text{mm}$ in the other parts. The number of sections is more than 2100 in total. The system includes high quality transverse, coronal and sagittal sectional images with a resolution of $\leq 0.18\text{mm} \times 0.18\text{mm}/\text{pixel}$, which can arbitrarily zoom in and out. This system has passed the appraisal of related national medical agencies and has a certificate of copyright for Chinese computer software. 4. Full-featured digital anatomy teaching system: The system can display all the human organs and tissues in completely realistic 3D model. Each structure is set with Chinese and English names and English pronunciation, and all the key structures are marked with detailed annotation and corresponding textual interpretation. The anatomy structures can be rotated and viewed at any angle, including overlook and looking up effect and be added with 3D annotations freely. The system setting functions including background switching, labeling, separation, transparency, dyeing, stripping, searching, pronunciation, freehand drawing and stereotaxic display et al. can strengthen the vitality, interest and intuition of anatomy teaching. 5. Anatomy Microlecture, Courseware system, Assisted autonomous learning. There are a large number of anatomy teaching videos in the part of anatomy microlectures, including 13 videos of systematic anatomy, 31 videos of regional anatomy and 33 videos of sectional anatomy. The contents describe in detail the operation methods, procedure and related structures for the systematic and regional anatomy, which can allow the students grasp the knowledge of human body structure vividly and comprehensively. The videos contain abundant contents and clear



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images, which are suitable and useful for teaching and learning. They are important learning materials for students to prepare for pre-class study and after class review, and also provide practical anatomy references for clinicians and graduate students.

6. Simple and quick full touch operating system: The system uses full touch operation interface with a 55-inch multi-touch system embedded, which has simple structure and beautiful appearance. It can power up to work without any software installation and debugging procedures.

7. Comparative study with sectional images, imaging data and three-dimensional reconstruction structures: The sectional and imaging data can be acquired quickly using touch and section function. We can identify any anatomy structure using highlighting function and get its Chinese and English names very quickly. And the position and shape of this structure can be displayed in the three-dimensional human body. Thus, the system can provide both real sectional specimens and imaging data for students to learn sectional anatomy.


8. Efficiently operating rotatable 4K3D display system: dimensions: 1960mm*1147, resolution: 3840*2160, brightness:850cd/m², contrast (static):5000:1, multi-touch system, viewing angle: up to 175°. Embedded computer: CPU I5 processor, 8G DDR3 memory, 240G SSD or 500G mechanical storage options, wireless network card, 2G graphics card supporting 4K output.

9. 3D projector: Educational projector, DLP projection technology, nominal luminance: > 5000; standard resolution (DPI):1920 x 1080; contrast: 2000:1; stereoscopic 3D technology projection, marking active stereoscopic glasses.



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Name& Model	Illustration	Function Characteristics (Parameters) Introduction
<p>Digital Human Anatomy System SY-YU03 USD14,400</p>		<ol style="list-style-type: none"> 1. Chinese-English bilingual teaching, 3D display, One-touch switching 2. Tiles preset, easy to call quickly: This software has a courseware production module to make the lesson plans as teaching courseware containing digital human presets and place them on the main interface as tiles, which can help the teacher quickly call up the set 3D human body structures during the lecture. There are more than 370 preset tiles in this software, moreover, CT and MR images corresponding to the sectional images of specimen are also configured. 3. The digital human anatomy system based on the 3D reconstruction of continuous real sectional images: The system is developed with continuous real sectional images of human specimen and more than 5000 three-dimensional reconstructed anatomical structures. The raw data is complete without any missing, even the appendix, teeth and testis are normal. Layer spacing of the transverse sections is as follows: distance is $\leq 0.5\text{mm}$ in the head and neck but $\leq 0.1\text{mm}$ in the skull base, and it is $\leq 1.0\text{mm}$ in the other parts. The number of sections is more than 2100 in total. The system includes high quality transverse, coronal and sagittal sectional images with a resolution of $\leq 0.18\text{mm} \times 0.18\text{mm}/\text{pixel}$, which can arbitrarily zoom in and out. This system has passed the appraisal of related national medical agencies and has a certificate of copyright for Chinese computer software. 4. Full-featured digital anatomy teaching system: The system can display all the human organs and tissues in completely realistic 3D model. Each structure is set with Chinese and English names and English pronunciation, and all the key structures are marked with detailed annotation and corresponding textual interpretation. The anatomy structures can be rotated and viewed at any angle, including overlook and looking up effect and be added with 3D annotations freely. The system setting functions including background switching, labeling, separation, transparency, dyeing, stripping, searching, pronunciation, freehand drawing and stereotaxic display et al. can strengthen the vitality, interest and intuition of anatomy teaching. 5. Anatomy Microlecture, Courseware system, Assisted autonomous learning. There are a large number of anatomy teaching videos in the part of anatomy microlectures, including 13 videos of systematic anatomy, 31 videos of regional anatomy and 33 videos of sectional anatomy. The contents describe in detail the operation methods, procedure and related structures for the systematic and regional anatomy, which can allow the students grasp the knowledge of human body structure vividly and comprehensively. The videos contain abundant



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contents and clear images, which are suitable and useful for teaching and learning. They are important learning materials for students to prepare for pre-class study and after class review, and also provide practical anatomy references for clinicians and graduate students.

6. **Simple and quick full touch operating system:** The system uses full touch operation interface with a 55-inch multi-touch system embedded, which has simple structure and beautiful appearance. It can power up to work without any software installation and debugging procedures.
7. **Comparative study with sectional images, imaging data and three-dimensional reconstruction structures:** The sectional and imaging data can be acquired quickly using touch and section function. We can identify any anatomy structure using highlighting function and get its Chinese and English names very quickly. And the position and shape of this structure can be displayed in the three-dimensional human body. Thus, the system can provide both real sectional specimens and imaging data for students to learn sectional anatomy.
8. **Efficiently operating rotatable 4K3D display system:** dimensions: 900mm*2120mm(vertical screen), 1300mm*1850mm(horizontal screen), resolution: 3840*2160, brightness:500cd/m², contrast (static):5000:1, multi-touch system, viewing angle: up to 175°. Embedded computer: CPU I5 processor, 8G DDR3 memory, 240G SSD or 500G mechanical storage options, wireless network card, 2G graphics card supporting 4K output.
9. **Closely fitting the virtual simulation teaching requirements:** National Education Development Program Outline and Outline of National Medium and Long-term Program for Education Reform and Development proposed to speed up the process of education informatization. The High Education Department of the Ministry of Education has also made important plans and requirements for the construction of virtual simulation labs in universities. Thus, the Digital Human Anatomy System combined with the traditional teaching will provide the effect of combination of virtuality and reality and complementing each other's advantages, which can meet the virtual simulation teaching requirements.



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<p>Digital Human Anatomy System SY-YU04 USD21,600</p>		<p>C Chinese-English bilingual teaching, One-touch switching</p> <p>2. Tiles preset, easy to call quickly: This software has a courseware production module to make the lesson plans as teaching courseware containing digital human presets and place them on the main interface as tiles, which can help the teacher quickly call up the set 3D human body structures during the lecture. There are more than 370 preset tiles in this software, moreover, CT and MR images corresponding to the sectional images of specimen are also configured.</p> <p>3. The digital human anatomy system based on the 3D reconstruction of continuous real sectional images: The system is developed with continuous real sectional images of human specimen and more than 5000 three-dimensional reconstructed anatomical structures. The raw data is complete without any missing, even the appendix, teeth and testis are normal. Layer spacing of the transverse sections is as follows: distance is $\leq 0.5\text{mm}$ in the head and neck but $\leq 0.1\text{mm}$ in the skull base, and it is $\leq 1.0\text{mm}$ in the other parts. The number of sections is more than 2100 in total. The system includes high quality transverse, coronal and sagittal sectional images with a resolution of $\leq 0.18\text{mm} \times 0.18\text{mm}/\text{pixel}$, which can arbitrarily zoom in and out. This system has passed the appraisal of related national medical agencies and has a certificate of copyright for Chinese computer software.</p> <p>4. Full-featured digital anatomy teaching system: The system can display all the human organs and tissues in completely realistic 3D model. Each structure is set with Chinese and English names and English pronunciation, and all the key structures are marked with detailed annotation and corresponding textual interpretation. The anatomy structures can be rotated and viewed at any angle, including overlook and looking up effect and be added with 3D annotations freely. The system setting functions including background switching, labeling, separation, transparency, dyeing, stripping, searching, pronunciation, freehand drawing and stereotaxic display et al. can strengthen the vitality, interest and intuition of anatomy teaching.</p> <p>5. Anatomy Microlecture, Courseware system, Assisted autonomous learning. There are a large number of anatomy teaching videos in the part of anatomy microlectures, including 13 videos of systematic anatomy, 31 videos of regional anatomy and 33 videos of sectional anatomy. The contents describe in detail the operation methods, procedure and related structures for the systematic and regional anatomy, which can allow</p>



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