

# SmartConference

by **ISIS**



## Video-conferencing mobile station for medical and surgical environments

*Display, distpatch, record, broadcast and archive  
surgical videos, radiological images  
and computerized digital data*



# Control tactile interface



Patient Identification

DICOM Viewer

Record Function

Video Mode

Video-Conference Control\*

Patient Information

## On-demand Tool-Bar



\*Video-conference module, voice control, operating-field lights control and field and PTZ cameras controls are options

SurgiMedia is a modular multimedia platform developed in partnership with surgeons, medical staffs, Operating Theater and Endoscopy professionals to answer present needs for managing multiple video sources for display, transmission and recordings of patient videos and data. Thanks to its different optional modules, SurgiMedia allows a broad range of flexible configurations for each specialties, thus answering all needs for Operating Theaters or Exam Rooms.

Thanks to this intuitive control unit, you will:

- **Acquire** and **control** your video sources and distribute them on one or more monitors
- **Record** your surgical procedures in a sequence-format easy to interpret and edit
- **Share** data with remote surgeons and medical staffs through the network
- **Import** data through the network from PACS or any server
- **Visualize** and **manage** patients studies with the integrated DICOM viewer
- **Archive** recordings in DICOM format on a PACS server.



Video-conferencing control software with its virtual remote controller

# A multi-purpose system

Thanks to many optional medical grade peripherals, SurgiMedia 21.5" HD-D are evolutionary systems allowing acquisition of most of video and computer sources produced in the Operating Theater, remote transmission using streaming or HD video-conferencing features, and simultaneous display on one or more wall mounted or spring-arm mounted monitors.

# An optimized ergonomomy

## **SurgiMedia HD-D VIDEO/DICOM management system**

Full HD 1080p 21.5" tactile control monitor with integrated software for :

- Video-conferencing features control
- HD video and audio recording
- Connection to PACS server
- DICOM Viewer
- Voice control
- 4K Compatibility

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**Tactile control monitor**

**Omni-directional and/or HF headset microphones**

**Infrared remote controller**

**Secured drawer with auto-locking system**



**Keyboard and mouse designed for medical and surgical environments**

**Large, configurable bin provides 3 USB ports, adjustable dividers and secure storage with cables Cart designed for neat and compact cable management**



**Rechargeable battery SLA (Sealed Lead Acid) provides dependable, safe and low-cost power**

## **Full HD 1080p Camera**

Soom (x12) and orientation (PTZ), remote and local

## **Second monitor**

Display Full HD 1080p 21.5"

**Connection to LAN network - Ethernet port**



**Video-Conferencing Cisco SX20 CODEC**

**Two additional USB ports are accessible on the back side of bin for connecting additional devices**



**Four double-casters with two lockable in front**



# Features and Benefits

## SurgiMedia® 21.5" VIDEO/DICOM Management system

- Control tactile monitor 21.5", IP65 front panel
- Direct access to functions by tactile pictograms and icons
- Keyboard/ mouse compatible with medical environments
- Intuitive tactile interface for functions management
- Audio/video SD 480p / HD 720p / HD 1080p recordings
- Recordings on USB media, CD/DVD\* or NAS\* via LAN
- Recorded video files compatible with MAC and PC
- Video streaming SD480p, HD720p, HD1080p
- Bi-directional Audio streaming
- Integrated protection device (viruses and wrong use)
- Compatibility\* with 4K / 3D sources with converters\*
- CD/DVD\* read/write
- Multi-sources with SelectBOX\* (CV, Y/C, SOG, VGA, SDI, DVI)
- Edition of recorded video sequences (SD and HD)
- Screenshots recording and display
- Patient file identification with DICOM Worklist access
- DICOM viewer with patients studies/images handling functions
- DICOMization software for recorded images and videos \*
- Graphic superimposition with drawing features (video overlay)
- Operating field camera remote control (upon model\*)
- Operating field lights remote control (upon model\*)
- Photo/video recording from a wired remote control\*
- Voice Control\* (in English and French languages only)
- Additional medical grade video converters \*
- Power supply : 100 - 240 VAC 50/60 Hz,
- Dimensions : W = 55 cm, H = 36 cm, D = 9,5 cm
- Weight = 7,4 Kg
- Two years warranty / Warranty extension \*
- CEI/EN 60601-1, CEI/EN 60601-2, CEI/EN62304, CEI/EN62366

\* Hardwares, softwares and services proposed as option. For additional information, please contact ISIS representative



## TelePresence SX20 Quick Set Video-conferencing CODEC

- Precision HD 1080p Zoom x 12, motorized +15°/-25° tilt, +/- 90° pan, Focus distance 0.3 m - infinity, manual and automatic, focus, luminosity and white balance, remote control, Sensor 1/3" with C-MOS technology
- Infra red and virtual remote controller (via SurgiMedia 21.5" interface)
- Omnidirectional and HF headset\* microphone s
- Video Standards : H.263, H.263+, H.264
- Video Features : Native 16:9 widescreen
- Video Inputs : One HDMI and One DVI-I (Analog and Digital)
- Supported Formats from 640 x 480 to 1920 x 1080 (HD 1080p)
- Video Outputs : Two HDMI Outputs 1920 x 1080@60 fps (1080p60)
- VESA, CEC and EDID management
- Audio Standards : G.711, G.722, G.722.1, 64 kbps MPEG4 AAC-LD and OPUS
- Audio Features : High quality 20 KHz stereo, Two acoustic echo cancellers, Automatic Gain Control (AGC), Automatic noise reduction, Active lip synchronization
- Audio Inputs : 2 x microphone, 4-pin mini-jack, 1 x mini-jack for Line in (stereo), 1 x Audio in from camera (HDMI)
- Audio Outputs : 1 x mini-jack for Line out (stereo), 1 x HDMI, (digital main audio)
- Dual-Stream : H.239 (H.323) dual-stream, BFCP (SIP) dual-stream , Support resolutions up to 1080p) at 30 frames per second
- Protocols : H.323, SIP with bandwidth up to 6 Mbps point-to-point
- Multipoint Option up to 4 sites (max. resolution 576p30). Compatible with Cisco Telepresence Multipoint Switch
- Embedded Encryption : H.323 and SIP point-to-point, Standards-based: H.235 v3 and Advanced Encryption Standard (AES)
- Automatic key generation and exchange Supported in dual stream
- System Management : Cisco TelePresence Management Suite, SNMP, Telnet, SSH, XML, SOAP, ISIS Cisco Call Control tactile Interface, Remote control and on-screen menu system and ISIS virtual remote control
- Directory Services : Support for local directories (My Contacts)
- Network Interfaces : 1 x LAN and Ethernet (RJ-45) 10/100/1000 Mbit
- Other Interfaces : 2 x USB ports can be used for serial control
- Power Supply : 100 - 240 VAC 50/60 Hz, Maximum 40 watts for codec and main camera
- Dimensions and Weight : Width 11.8" (30.0 cm), Height 1.4" (3.4 cm), Depth 7.1" (18.0 cm), Weight 3.1 pounds (1.4 kg)
- Certifications : Directive 2006/95/EC - Standard IEC/EN 60950-1, Directive 2004/108/EC - Standard EN 55022, Class A - Standard EN 55024-Standard EN 61000-3-2/-3-3, UL 60950-1 and CAN/CSA-C22.2 No. 60950-1-07 Complies with FCC CFR 47 Part 15 Class A

## styleview Tele-health Cart

- Mobile double-monitors holder, adjustable in height
- Auto-locking drawer to allow electronically controlled access
- Additional wide drawer, lockable with a key
- Support tablet for keyboard and mouse
- Four double-casters with two lockable in front
- Rechargeable battery SLA (Sealed Lead Acid) with charge management software interface
- Two USB ports accessible at rear of main drawer
- Power supply : 230 VAC / 50 Hz, 2,7 A
- Dimensions and weight : width 110 cm (with two monitors), height 167,5 cm, depth 78,7 cm. Weight : 76,5 Kg
- Certifications : UL/EN/IEC 60601-1



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