

Features and Benefits

	O.R. Station (PCS1P)	Visio Station (TL50)	Expert Station (PCS1P)
Light and mobile ergonomic trolley	●	-	-
Surgical Audio/Video procedure storage on DVD	●	-	-
Multiple interfacing connections	●	-	-
Multi-modalities display	●	●	●
Manual and remotely controlled display selection	●	●	●
Bidirectional video conferencing capabilities	●	●	●
Autofocus camera Pan/Tilt/Zoom controls	●	-	-
Autofocus camera zoom control	-	●	-
Video images transmission	●	●	●
Double stream data transfer (VGA or XGA)	●	●	●
Two high resolution dual-display monitoring	-	-	●
Splitted display on 20" 16/9 monitor	-	●	-
Pentium PC with R/W DVD	-	-	●
Video overlay with graphic tablet	-	-	●
Integrated DICOM viewer	-	-	○
LAN connection for patient database access	-	-	●
Additional remote "client" stations capabilities	-	○	○
Multipoint software module	○	○	○
ISDN module	○	○	○

*Contact ISIS representative

● standard

○ optional

- not available

Specifications

OR Station

- Lightweight mobile station with 5 (Ø100mm) swivel casters base (2lockable)
- Anti-theft integrated anchoring device
- Integrated DVD recorder (+RW) SONY DVO 1000 MD
- Medical TFT 17" color monitor (1280x 1024 pixels)
- 5 video inputs (3 multiformat):
- Video composite PAL/SECAM, NTSC 50/60 Hz (BNC connector and mini DIN for S video) - S-Video (Y/C) PAL/SECAM, NTSC 50/60 Hz
- Component (YUV) 625 L et 525 L
- Computer RVB HV, RVB/S, RVsB, PC, MAC Workstation TVHD component
- 1 Audio external input (jack 3 mm)
- SONY PCS 1P Videoconference on OR and Expert stations
- CCD type color camera resolution horizontal 460 lines,
- Focus: 3,1 to 31 mm Auto/Manual View Angle: 6,6 to 65 degrees Horizontal -100 + 100 degrees, Vertical: -25 + 25 degrees.
- Ratio zoom x 10 optical, x 40 digital, pre-selection 6 positions
- Standards: H261, H263, H263+, H263++, H264
- Resolution QCIF, CIF
- Transfer rate: Max 30 images/sec.
- Speed: up to 2 Mbits/s in H323 (incl. Audio)
- InfraRed remote controller
- Audio: bandwidth and coding: 7KHz avec PT724 G.722,1, G.722 3,4 kHz avec G.711, G.723,1, G.728, G.729
- Echo cancellation: reduction rate: 30 dB,
- Integrated noise reducer and automatic gain control
- Picture in Picture sub screen size 1/9
- IP Communication (LAN), Ethernet 10/100
- Compatible H323 et H320
- Double stream H239 (Data transmission VGA / XGA)

Visio Station

- Sony PCS TL50 Videoconference with following features:
 - Video:
 - Standards: H261, H263, H263+, H263++, H264, MPEG-4
 - Resolution: QCIF et CIF
 - Transfer rate: Up to 30 images/sec
 - Speed: up to 768 Kb/s in H320 and 2 Mb/s in H323 (Incl. audio)
 - Audio: 2 x 3 W integrated loudspeaker all protocols controlled
 - Display: 20" TFT 16:9, 1280 x 768 (WXGA), 400 Cd/m²
 - Picture in Picture, 4:3+ format
 - Integrated 1/3 CCD type autofocus camera
 - InfraRed remote controller
 - RNIS and multipoint (up to 6 sites) options

Main

- Functioning: +5°C to 35°C, 20% to 80% Hgr
- Power requirements: 220>240 VAC 50/60 Hz (DC 19,5 V, 7,7 A)
- Weight: 10Kg

Expert Station

- SONY PCS 1P Videoconferencing device
- Pentium IV or core duo, PC
- 512Mo RAM, 40 Go D
- Windows XP pro.
- CD/DVD recorder
- Graphic Video Overlay software with acquisition board
- MERGE eFilm Dicom Viewer software
- Double monitor display 17" TFT 1024 x 768 pixels
- Double screen parabolic desk support
- Power 100.240 VAC 250 VA
- Functioning: 10°C to 35 °C, 30% to 70 % Hgr
- CE

Environment

- Operating 10 to 35°C with 30 to 70% humidity
- Storage -20 to +55°C with 25 to 75% humidity

Power Requirements

- Power AC: 120/230 V 50/60 Hz
- Consumption: Max. 250 VA

Standards

- EN 60601-1-1, EN 60601-1-2 CE, 93/42/EEC Directives

Dimensions

- Height: 1995 mm, ground surface: Ø 700 mm
- Weight: 65 kg

SurgiAssist®

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architecture by additional upgrades

Product safety by secured anchoring device

Fast set-up by easy "Plug & See" connection



Remote surgical assistance platforms

Distant direct expertise support in "real-time"

"Face to face" collaborative communication
with professional Audio-Video system

Simultaneous Video/C.A.S. data dual display

Ambient and distant mobile cameras motion through remote control

Quick and reliable data transfer through network by encoding process

Multiple expertise support possibilities
through additional remote "client" stations

Broad features coverage with **Basic, Visio** and **Expert**
SurgiAssist product versions

Drawing and pointing for anatomical structures identification

Transfer and visualization of DICOM patients images by LAN or CD rom

