

# SchoolStation 5

## High definition multimedia conferencing system

### Models

- SS5
- SS5i,
- 5500

### Additional Features

- Gateway / Bridge Support
- Multiple audio and video sources
- Dual monitor support
- Integrated 181 Channel Tuner
- DVD Playback
- CD Authoring/Creation
- PIP and Swap-PIP

### Tabletop Pod includes

- VGAinput for laptop connection
- USB port
- Microphone connector

The SchoolStation 5 is NESS's newest group conferencing system that combines the versatility of a high-performance multimedia platform with high-quality videoconferencing. Utilizing the newest H.264 video standard, and clear, crisp audio, the SchoolStation 5 brings users face-to-face with the people and organizations they need to be in touch with. The SchoolStation 5 incorporates advanced data conferencing capabilities, allowing you to turn any videoconference into a fully interactive workgroup meeting with the click of a button. As a multimedia workstation, your SchoolStation 5 investment can be utilized throughout the working day, even when it's not in a videoconference. The SchoolStation 5 is part of NESS's total rich media conferencing solution, which enables seamless communication and collaboration using all forms of interactive media

- ✓ Provides TV-like video quality using advanced video processing
- ✓ Integrated TV Tuner with video capture and recording
- ✓ Native 16:9 wide screen display support
- ✓ Integrated Web-Based management for easy control and administration
- ✓ Incorporates technology for advanced streaming capabilities
- ✓ DVD Playback and CDRW Recording built-in
- ✓ PacketAssist™ architecture for advanced Quality of Service (QoS) over IP
- ✓ Advanced data sharing capabilities

### *Multi-Purpose Solution*

#### Available Management Features

- Ad-hoc conferencing
- Call transfer
- Online directory
- Simplified gateway dialing
- Remote call initiation
- Remote call termination
- Call detail records
- Hunting groups
- Call forward

In addition to providing value as an advanced videoconferencing system, the SchoolStation can also be used as a high-performance multimedia workstation. In a small classroom room with a single monitor, or a large auditorium room with dual LCD projectors, the SchoolStation can be accessed to perform multiple functions. The SchoolStation can be used during a meeting or training session to display presentations or VCR/DVD videos. When the SchoolStation is connected to the local area network, it can access network files to display during a videoconference or to share during a meeting. With its access to the internet, the SchoolStation can be used to join a web data conference or instant messaging session; regardless of whether or not the system is in a videoconference.

### *Advanced Data Conferencing*

#### Optional Accessories

- ISDN Connectivity
- Tabletop Pod
- 3-Speaker System
- 802.11b/g Wireless
- Multiple Monitor Options
- Whiteboard Interface
- SMART Touchscreen
- Wide Screen Display Cart
- Voice Activated Camera Tracking
- Document Camera

The SchoolStation incorporates advanced data conferencing capabilities, allowing users to share or receive files or presentations during a videoconference. There are many ways users can share information with a remote site. The SchoolStation allows you to connect your laptop for data sharing, share files located on the network or the PC, or to connect a VCR/DVD to play movies or training videos during a videoconference. With the SchoolStation you can be confident that your classroom presentations will run smoothly and your message will get received.



*From classrooms to museums the SchoolStation is a multimedia conferencing system that is versatile, robust and easy to use,*

SS5

## What's In The Box?

- Multimedia videoconferencing system
- Windows XP Professional or MCE
- Camera connector and interface (PTZ)
- Wireless keyboard
- Media Reader and CD/RW-DVD

- Tabletop microphone
- System software
- Installation and setup guide
- System cables

## Specifications

### Video Specifications

#### Transmission speed

- H.320: 64Kbps - 384Kbp
- H.323: 64Kbps - 4Mbps

#### Video Standards

- H.261, H.263
- H.264 (up to 1M)\*

#### Video Inputs

- Composite
- S-Video
- (6) USB/USB2

#### Video Outputs

- S-video
- Composite
- XGA (2)
- 460 TVL (PAL) /470 TVL (NTSC)

#### Live Video Resolution

- CIF (352 x 288 pixels)
- QCIF (176 x 144 pixels)

#### TV Tuner

- NTSC/PAL 181 Channel
- MPEG1-2, AVI Record Capability

#### HD DualStream™ \*

- 1 live video source+ 1 data source

#### HD Simulcast™ \*

- Integrated Broadcast Viewer
- Chair or Participate in any supported
- Interactive Multicast session
- Uses bandwidth-efficient IP multicast

#### Video Display Aspect Ratios

- Native 4:3
- Native 16:9

### Audio Specifications

#### Audio Standards

- G.711, G.722, G.723.1, G.728

#### Audio Features

- Full duplex echo cancellation

#### Audio Inputs

- Mic-level (stereo jack)
- Line-level (RCA)

#### Audio Outputs

- RCA
- SPDIF

### Data Specifications

- XGA Data Sharing
- XGA (1024 x 768)
- Internal (use internal PC)
- External (via Tabletop pod)
- Videoclip playback
- Picture sharing

#### Resolutions support - all methods

- IP: XGA, SVGA, VGA, CIF, QVGA
- ISDN: CIF

#### Laptop Plug-in auto detection

- 16/24/32 bit color support
- 640x480 (72Hz-85Hz)
- 800x600 (60Hz-85Hz)
- 1024x768 (70Hz-85Hz)
- 1152x864 (75Hz)
- 1280x960 (60Hz,85Hz)
- 1280x1024 (60Hz-85Hz)
- 1600x1200 (60Hz-85Hz)

### Networking Specifications

#### Standards Supported

- ITU-T: H.320, H.323 v4
- Annex Q (FECC for H.323)
- H.281 (FECC for H.320)

#### H.323 QoS and Network Transversal

- DiffServ, IP Precedence, Adaptive Bandwidth Adjustment, Packet ordering, Packet duplication control, Jitter correction, Lip sync correction, Overhead Prediction, Max packet size adjustment
- Firewall port sync
- NAT IP address mask
- Port pinholing

### Peripheral Specifications

#### Pan-Tilt-Zoom Camera Unit (option)

- Picture - 1/4-color CCD
- Focal length - 3.1mm to 31mm
- Pan-Tilt range - +/-100° Pan, +/-25 Tilt
- Zoom range - 10x(optical), 40x(digital)

#### Monitor Configurations

- Single VGA (or TV)
- VGA + TV
- Single 16:9 (Digital or s-video)
- Dual 16:9 (Digital + s-video)

### Cart and Monitor options

- Multiple monitor options
- Single rollabout cart
- Dual rollabout cart
- Wide screen display cart

### Other Specifications

#### System Specifications

- Pentium IV processor
- 800Mhz bus
- Windows XP Professional
- 512MB DDR, 40GB Hard Disk
- DVD Playback, Region 1
- CDRW Recording/Authoring
- Gigabit Ethernet NIC

#### Dialing Modes

- Manual, Speed dial
- Personal address book
- Online directory
- Multicast chair
- Broadcast Viewer

#### Encryption

- DES, 3DES and AES support
- AES is NIST validated
- Requires the outboard Advanced Encryption Server

#### Control

- International remote control (Optional)
- Wireless keyboard
- Embedded web-based control

#### Directory Services

- 1000+ local number directory
- 10,000+ global number directory
- LDAP online directory
- Microsoft ILS, SiteServer, Active Directory and Exchange
- Sun iPlanet
- Netscape Directory

#### Environmental/Electrical

- 0 - 40°C/15-80% Non-Condensing
- Universal power supply
- 120V or 230V, 50 Hz or 60 Hz

#### Language Support

- English, French, Italian, German, Spanish (2), Portuguese, Chinese

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\* IP mode only