

NTS 6 Features

Network Telephony Services



“VIDEO CONFERENCING AND NTS”

NTS-6 SUPPORTS VIDEO CONFERENCING!

NTS-6 supports two types of video conferencing: (a) a “native” video conferencing that works between NTS client programs, and (b) a standards-based H.323 video conferencing. H.323 video allows calls with D-Link and Sorenson video phones, Polycom devices, and so on.

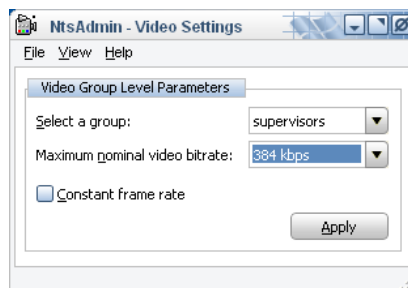
WHAT ARE THE ADVANTAGES OF NTS VIDEO OVER TV-BASED VIDEO PHONES?

Compared to a TV-based product like the D-Link or Sorenson video phone, NTS:

- Uses a standard PC
- Takes up less desk space.
- Supports simultaneous video, text, and voice.
- Uses sophisticated firewall traversal.
- The NTS client/server architecture provides complete video call control and call activity reporting.
- NTS’s “anything-to-anything” architecture links text, video, and voice devices into a single call.
- All calls, even video calls, are backed by NTS mail services if no-answer.
- Supports “One-Nbr” access to Video Relay Services.

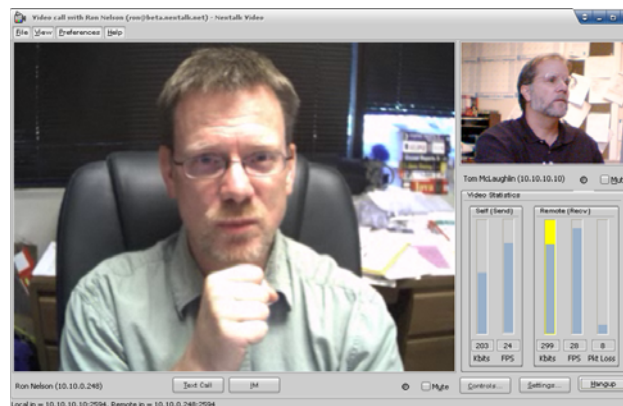
NTS VIDEO AND MANAGEMENT TOOLS

NTS-6’s client-server architecture lets an organization control many aspects of video conferencing, such as which users may access video conferencing, call activity reports for both text and video calls, how many simultaneous video calls are allowed, and so on. The example screen below shows that users in the Supervisors group are allowed to stream video up to 384 Kbps, but other groups may be restricted to lower speeds.

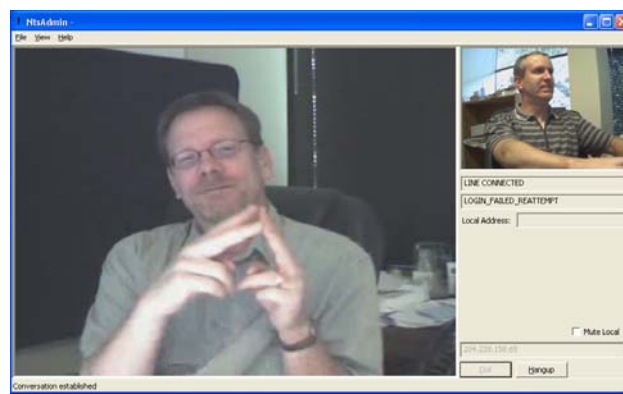


HOW DO YOU MAKE AN NTS VIDEO CALL?

If you are calling another NTS user...
Just call an NTS user by their user-name.
An example video call is shown below:



If you are calling an H.323 device like a D-Link or Sorenson video phone..
Type in the IP address of DNS name of the H.323 device.
An example video call is shown below:



VIDEO CONFERENCING AND “ONE-NBR”

The NTS-6 “One-Nbr” provides a single phone number, and this single phone number allows calls from (a) voice callers, (b) fax, and (c) TTYs.

If a voice caller dials your “One-Nbr” phone number, then a Video Relay Service operator can be brought onto the call automatically! See the flyer on “One-Nbr”.

WHAT KIND OF VIDEO CAMERAS DOES NTS-6 USE?

NTS-6 can use a wide variety of video cameras, including inexpensive web cameras. See the document on the following link for approved web cameras.

[ftp://ftp.nextalk.com/pub/NexTalk Compatible Video Capture Devices.doc](ftp://ftp.nextalk.com/pub/NexTalk%20Compatible%20Video%20Capture%20Devices.doc)

CAN NTS-6 SET UP A VIDEO CALL ACROSS FIREWALLS?

NTS-6 uses a variety of techniques to set up a video call across firewalls and NAT routers, including “STUN” and a UDP bridging (relay) server. NTS’s native video uses a single port for UDP packets (port 2594.) See the Technical Information Document: “Firewall Issues and Video Conferencing in NTS-6.”

About NXi

NXi provides text-based communication products for consumers as well as organizations of all sizes. NXi’s unique patented products allow deaf persons to communicate with anyone, hearing or deaf, across telephone networks, the Internet, or a LAN/WAN. NXi’s customers include most federal agencies such as the Department of Defense, the Department of Education, the Securities and Exchange Commission, and the IRS, as well as numerous universities and schools, state-wide systems in Illinois, Wisconsin, and Maine, numerous call centers, and many Fortune 500 organizations.

In addition to product sales, NXi has over 25,000 active users of its freeware service: www.NextTalk.net.

These products and/or methods of use are covered by Patent Nos. 6,934,376; 6,501,779; 6,181,736; 5,905,476; and/or 5,687,222.

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NTS VIDEO AND NETWORK SECURITY

All NTS text and commands are encrypted. NTS’s H.323 video supports 128 bit AES encryption (see specifications below.) The flexible NTS architecture supports video LANs and other techniques which remove video streams from the primary network.

VIDEO CONFERENCING SPECIFICATIONS:

“Native” NTS Video Conferencing:

- Video Standard: Proprietary
- Video Frame Rate: 30 fps with approved cameras at 128Kbps or higher
- Video Resolution: CIF (352 x 288 pixels)
- Minimum PC Requirements:
 - Pentium-4 2.0 GHz computer with 256 MB RAM running Windows 2000 or XP. Video card with 128 MB RAM supporting DirectX 9.0. One USB port (USB 2.0 recommended.)

H.323 Video Mode:

- Video Standards: H.261, H.263, H.263+/, H.264
- Video Frame Rate: Up to 15 fps (64-128 Kbps), Up to 20 fps (192 Kbps), Up to 30 fps (256 Kbps+).
- Video Resolutions: CIF (352 x 288 pixels), QCIF (176 x 144 pixels), QVGA (320 x 240 pixels), HDTV (1280 x 720 pixels)
- Minimum PC Requirements:
 - Pentium-4 1.6 GHz computer with 256 MB RAM running Windows 2000 or XP. H.264 requires a hyper-threaded PC. Video card supporting DirectX 9.0 One USB port (USB 2.0 recommended.)
- Audio Standards: G.711, G.722, G.722.1, G.723.1, G.728, G.729, AAC-LD
- Security: Encryption using h.235 (AES). DES, 3DES, and AES support. AES is NIST validated.



For more information.

Contact your NXi, Inc. sales representative or partner or call NXi, Inc. at (801) 274-6001 or (801) 274-6004 (TTY).

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