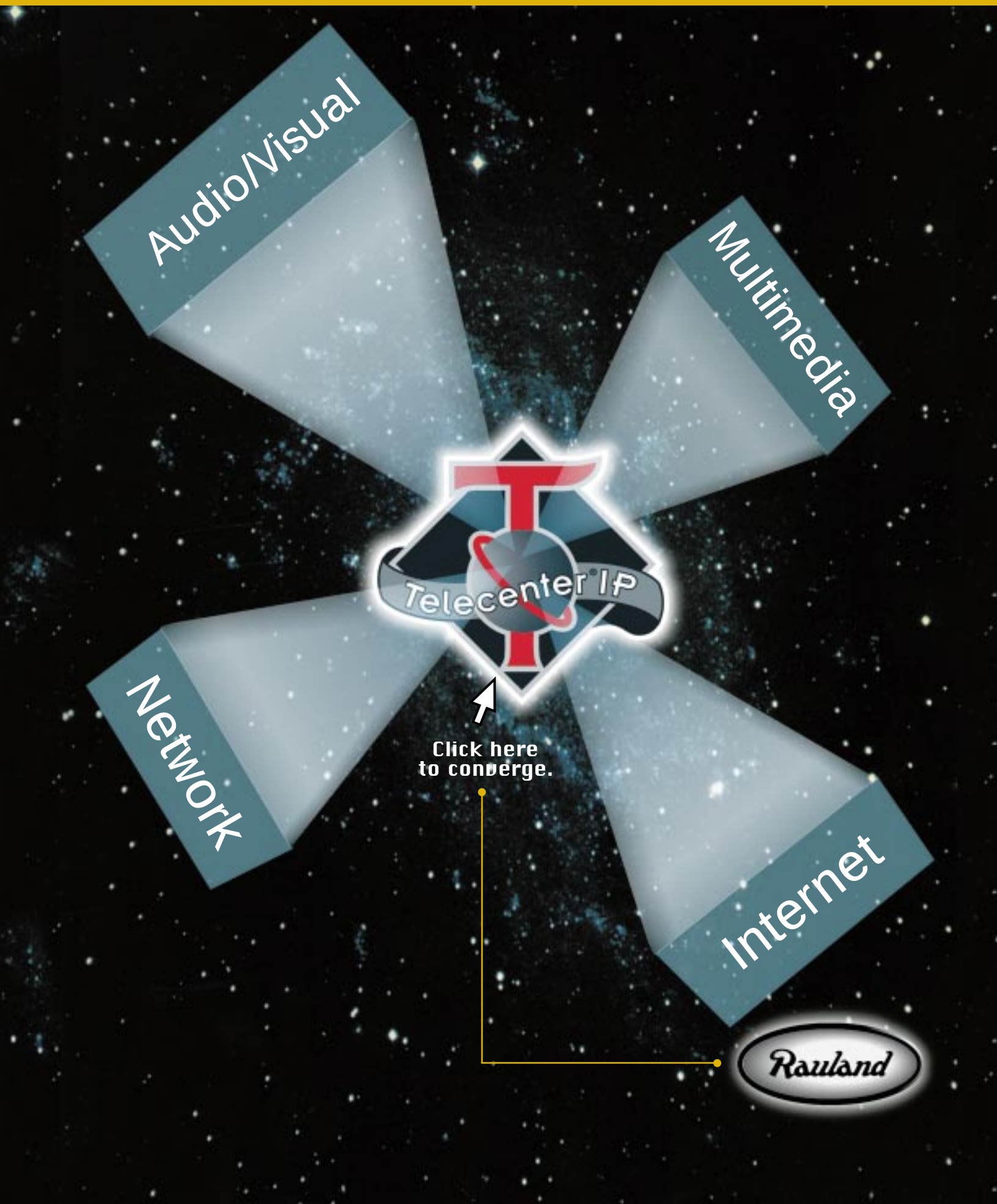

Audio/Visual
Multimedia
Telecenter IP
Network
Internet
Click here
to converge.
Rauland

The Power of Convergence

With the new millennium quickly approaching, the once disconnected worlds of classroom communications and instructional technology are converging, providing new opportunities for teaching and learning.

Harnessing the power of the Internet, Rauland has created a truly flexible architecture that will allow you to combine and integrate voice, video, and data technologies…

Building the bridge that schools have been asking for is Rauland-Borg Corporation, a leader in school communications and instructional technology solutions for more than 60 years. More than a quarter century ago Rauland's first generation Telecenter® systems addressed teachers' and administrators' need to improve school communications. Today with our newest product, Telecenter® IP, Rauland is going even further, taking school communications and instructional technology to the next level.

▲ We'd love to invest in the new multimedia and Internet technologies out there, but we don't want to get rid of our existing equipment either. Is there a system that brings together our existing systems with Internet technologies?"

Taking Advantage of the Network

Your communications network has become a vital part of your school, your district, and your community. But what if you could do more? With Telecenter IP you can go beyond basic Internet or intranet access, expanding and enhancing your network's potential, using your existing cabling.

Using your existing network, Telecenter IP combines the power of the Internet with media retrieval and multimedia systems. And it does more…

Telecenter IP expands your data network, allowing it to work with television monitors, projection devices, traditional video sources, and multimedia presentation materials of all kinds — using the power of TCP/IP. Networking connects each of the pieces of the puzzle so that each component can easily communicate and interact with the other.

Gather, Manage, and Control Your Information Assets

Whether you're using one of Rauland's "integrated, intelligent set-top boxes" in a common area, a networked workstation, or using your home computer to connect to your school's network via the Internet, with Telecenter IP you'll be able to access your school's information assets from virtually any place.

Using Telecenter IP, a networked computer, and a standard Internet browser like Netscape Navigator® or Microsoft's Internet Explorer, or Rauland's own browser application, Telecenter IP gives teachers, administrators, and students unprecedented access, to gather, manage, and control information assets, such as videotapes, laserdiscs, HyperStudio or Microsoft PowerPoint presentations, a set of bookmarked Internet sites, or digital video clips.

Teaching and Learning Flexibility

Whether you're working with one or a half-dozen students using video on a desktop or teaching a large group using a handheld remote or a keyboard and a large screen TV or a projector, Telecenter IP adapts to fit your needs.

Telecenter IP's designers recognized the importance of simplicity. Taking an uncluttered approach, they created an interface built around four essential building blocks:

Building off your browser and calendar, Telecenter IP inventories all of your school's information assets. Our web-based, industry-standard SQL database allows you to not only catalog videotapes and laserdiscs but also multimedia presentation materials, Internet sites, even playback hardware or software.

Users can access the catalog and browse the system via their workstations or even from a home computer. They'll be able to see what titles are available and when.

Works with Your Library System

Telecenter IP works with a variety of standard ODBC-compliant data sources, including MARC-record-compliant library systems, and can connect to them directly.

With the wealth of information now available via video and the Internet, finding the right material — and quickly — is more important than ever. That's why you need Telecenter IP.

Whether you're trying to find a videotape that teaches cellular reproduction, a QuickTime™ clip of a Franklin Roosevelt speech or an instructionally oriented website dealing with nutritional guidelines, Telecenter IP's easy-to-use web-based search engine helps you zero in on what you need. Type in your query, or pick from lists, the system knows where to find it.

Simple and Customizable

Telecenter IP's web pages allow users to make scheduling and reservation requests with a few simple clicks of a mouse.

And the Telecenter IP server always knows who's using what, and when and where they're using it, taking the guesswork out of availability.

The system also profiles each user and keeps track of his or her preferences and security clearances. In addition, Telecenter IP always knows which playback devices are needed when, making preparation a snap. Telecenter IP's administrative backend has unlimited access levels that can be assigned to system resources. Has the location of your media event changed? Telecenter IP follows you based on your user login.

Telecenter IP was designed to accommodate a variety of teaching styles. So whether you're controlling traditional A/V resources from our web front-end or a handheld remote control, or tapping into a library of digital video clips via the Internet, you'll find navigation's a breeze. We've even made it easy to view and manipulate web pages right on your TV monitor.

In addition, Telecenter IP automatically knows the special requirements of each information asset and provides you with the appropriate control mechanism(s) for it.

▲ but Mom and Dad always want to make sure that I'm doing educational things with it. It would be great if we could do fun educational stuff at school using the Internet."

Under the Hood

Telecenter IP is powered by its own Windows® NT® server and its own dedicated Microsoft® SQL Server™, which work in conjunction with your data infrastructure. And because our web-based architecture builds on world-wide TCP/IP and HTML standards, Telecenter IP is equally at home working off a small LAN as it is with a district-wide WAN. In addition, our use of open standards — as well as industry standard RJ45 network connectors — gives you unprecedented customization and expansion possibilities.

Best of all, in the classroom you'll be able to use even the most basic Windows or Macintosh® workstations to tap into Telecenter IP's information and control warehouse.

Rauland-Borg: A Tradition of Classroom Innovation

For seventy years school communities throughout the world have counted on Rauland-Borg and its network of local authorized distributors to help them plan, design, and implement a variety of communications and instructional technology solutions.

So whether you're looking to replace or expand an existing system, or you're starting from the ground up, our team will be there for you, providing you with the technology and assistance you need.

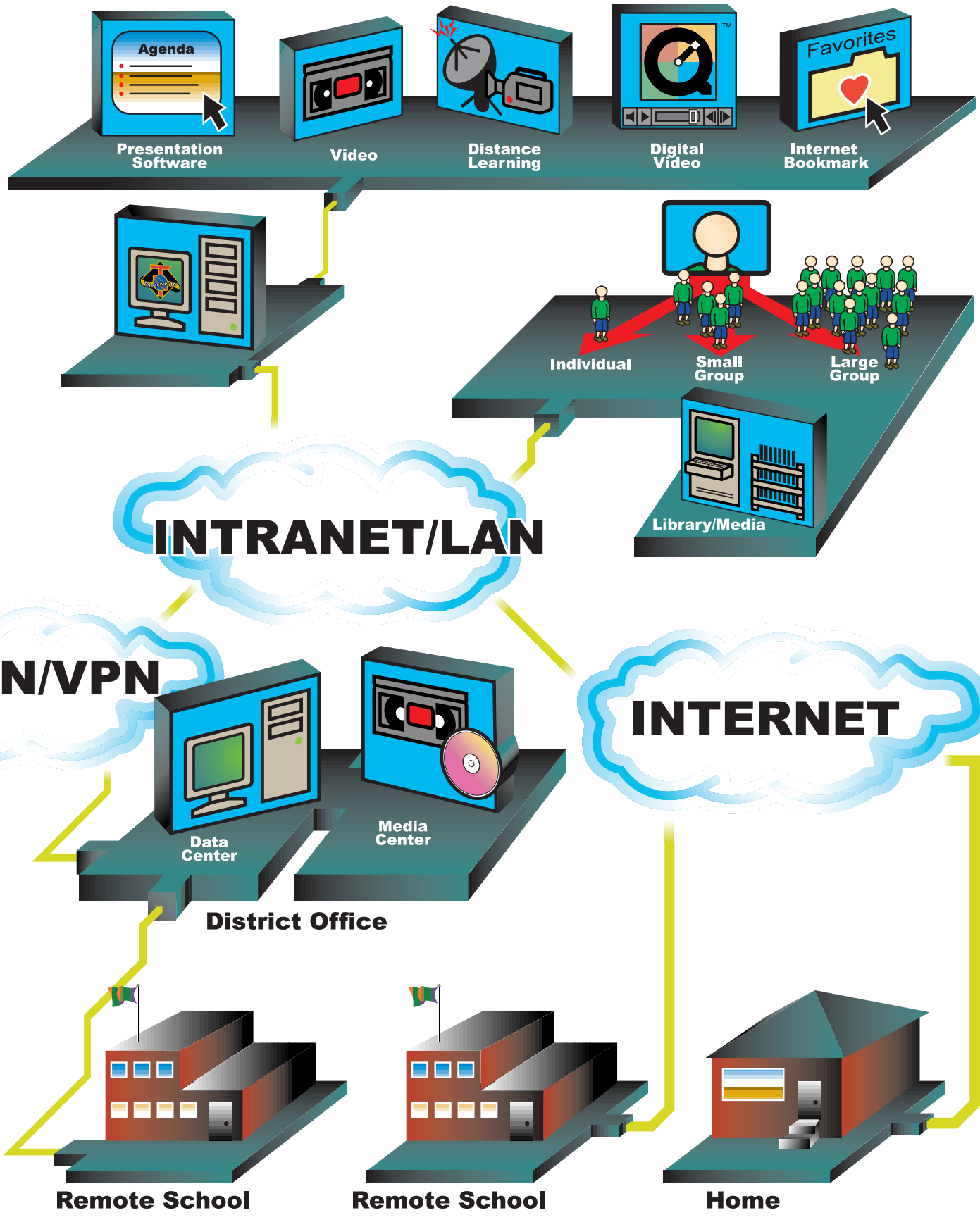
▲ places. Sometimes I work in the teachers' lounge, and other times I work at my classroom workstation. I also bring work home with me. It would be great if I could always access my school's information assets."

Timely, Intelligent, and Internet Savvy

Your school wants to be a part of the growing Internet revolution and invest in the latest technology. You want a cost-effective system built on industry standards that will grow with your needs and be able to handle future technologies such as digital video.

That's why Rauland created Telecenter IP — a simple yet elegant solution to your technology needs... an open system that you can build on, at a price that makes sense.

▲ at school, but there's always a line to use them. By the time it's my turn, our computer time is over. I wish there was a good way to sign up."


Agenda
Presentation Software
Video
Distance Learning
Digital Video
Favorites
Internet Bookmark
Individual
Small Group
Large Group
Library/Media
INTRANET/LAN
WAN/VPN
INTERNET
Data Center
Media Center
District Office
Remote School
Remote School
Home

Telecenter® IP Specifications

Telecenter® IP Server

Bundled with

- Microsoft® Windows® NT® Server
- Microsoft® Internet Information Server
- Pentium® II-based server
- Microsoft® SQL Server™

Flexible Video Distribution Architecture

Telecenter IP is designed to work in a variety of video distribution arrangements:

- Broadband-controlled video channel changes
- Baseband
- Network video

Cabling

- Coax
- Fiber
- Category 5

Source Equipment

Telecenter IP is designed to work in a variety of controllable audio/visual equipment, including:

- VHS
- Laserdisc players
- RS232 or IR-controlled devices

Output Devices

- Television monitors
- Projection TVs
- Computer workstations

Workstation Requirements

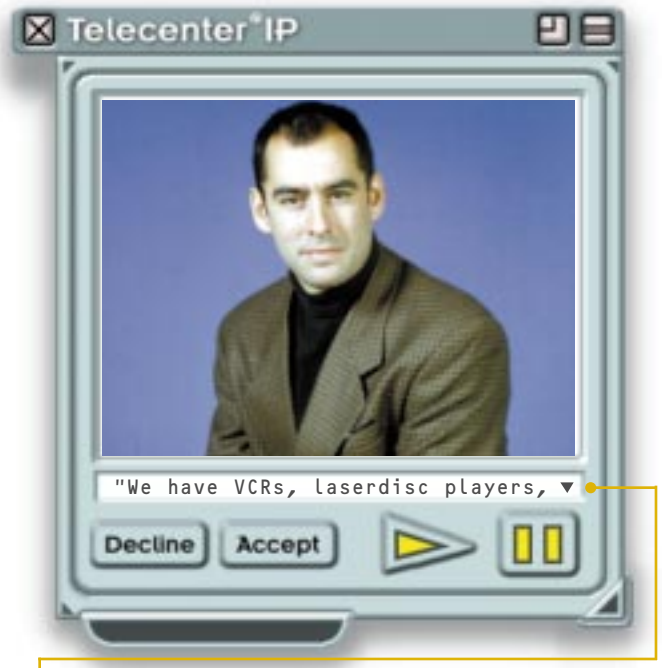
- TCP/IP-compliant network
- Netscape Navigator® 3.x (or higher)

or

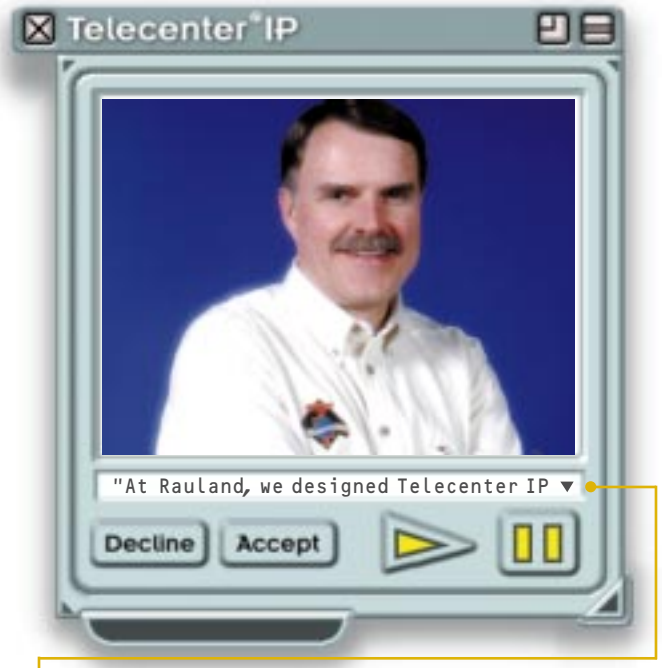
- Microsoft® Internet Explorer 3.x (or higher)

Network Topologies

- Ethernet
- Fast Ethernet
- Switched Ethernet
- Token Ring
- ATM



▲ a CD-ROM tower, and are planning on buying a DVD player. We also have Internet access in many of our classrooms. How can Telecenter IP make all of these pieces work together using our current networking structure?"



▲ to be a cost-effective solution to bridging the gap between a variety of existing and emerging technologies."

Rauland-Borg Corporation
3450 West Oakton Street • Skokie, Illinois 60076-2958
VOICE: **(847) 679-0900**
TOLL-FREE: **(800) 752-7725**
FAX: **(847) 679-0625**
WEB: **http://www.rauland.com**

Rauland-Borg (Canada) Inc.
4025 Sladeview Crescent, Units 4-6 • Mississauga, Ontario L5L 5Y1, Canada
VOICE: **(905) 821-2225**
FAX: **(905) 821-8325**
WEB: **www.rauland-canada.com**

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