PictureTel Desktop Videoconferencing Systems bring the spontaneity, naturalness, and interactivity of in-person meetings to PC users. In doing so, PictureTel gives users the power to address issues and opportunities more quickly, to involve more people in important decision-making, and to foster an open and collaborative working environment.

The award-winning PictureTel Live50 system offers superior standards-based desktop videoconferencing and application sharing. With the Live50, users of PCs running Microsoft® Windows™ can conduct real-time video meetings with users of any H.320- and T.120-compliant videoconferencing system anywhere in the world.

In addition, the Live50 includes LiveShare Plus™ software, which gives users the ability to share Windows-based applications with remote colleagues. Individuals and groups can work together on presentations, reports, and other projects as if they were side by side — passing application control back and forth with the click of a mouse. The Live50 also includes an electronic whiteboard with annotation tools, drag-and-drop file transfer, shared clipboard, and remote control.

All of these qualities have earned the Live50 the Editor’s Choice awards from PC Magazine and Computer Reseller News, and the Tester’s Choice from Data Communications Magazine. The Live50 can operate in a variety of network and telecommunication environments, including ISDN, Switched-56, and V.35/RS-449. Offering users greater productivity, improved responsiveness, richer communication, and teamwork over distances, the PictureTel Live50 brings comprehensive communication and data collaboration to the desktop.
Desktop Videoconferencing System

Description
Complete standards-based (H.320), personal visual communications add-on kit for ISA or EISA Bus PCs running Microsoft Windows 3.1 or Windows 95.

System Components
- Video/Audio Board w/ISDN BRI
- Color Camera
- Headset
- Cables
- Conference Control Software
- LiveShare Plus Data Collaboration Software
- Documentation

Options
- Additional Network Interfaces
- Additional Camera
- Composite FlipCam

Video
- ITU Standard: H.320
- Video coding: H.261
- Pixel Format: QCIF
- Channel: H.221

Video Inputs
- Main Camera
- Composite, RCA phon

Video Output
- Near-end Video Window: Fully resizable
- Far-end Video Window: Fully resizable
- PictureTel ISA BUS VAFC graphics card
- PictureTel PCI BUS VAFC graphics card
- Main Camera: Composite, RCA phon

Video Formats
- NTSC or PAL

Cameras
- Type: 1/3" color CCD
- Total Pixels: 540(H) x 480(V)
- Viewing Angle: 50° Horizontal
- Fixed Focus
- Auto Gain Control
- Auto White Balance
- Manual Pan and Tilt
- Manual Iris

Optional FlipCam
- Type: 1/3" color CCD
- Horizontal Resolution: 330 lines
- Manual Focus: 10° to infinity
- Manual Zoom: 2.3X
- Maximum Horizontal Field of View: 48°
- Manual Iris, Privacy Shutter
- Manual Pan and Tilt

Audio
- Headset
- Speakerphone/Handset
- Full Duplex Echo Cancellation (IDEC™ II)
- Optional

Audio Controls
- Volume Up/Down
- Mute On/Off
- Speakerphone On/Off
- Headset On/Off
- Handset Switch-hook

Audio Input/Output
- Speakerphone
- Microphone
- Speaker

Audio Modes
- Algorithms Supported: H.261
- Transmission Bandwidth (Kbps): 64
- Frequency Response: 300 Hz - 3.4 kHz
- Narrowband

Audio Outputs
- G.711
- G.722
- PT724

Network Interface
- Transmission Speeds
- Narrowband: 64 Kbps
- Wideband: 50 Kbps

Network Interfaces Supported
- ISDN BRI S/T Interface
- Optional Network Interfaces
- Dual V.35 with RS-366 dialing
- Dual RS-449 with RS-366 dialing
- Dual RS-449 non-dialed

Audio Input/Output
- Speakerphone
- Microphone
- Speaker

Additional Features
- Snapshot of local or remote video window
- Far-end Camera Control
- H.320 Multipoint–Voice Activated
- Call Initiation, Answer & Termination via:
  - On-Screen Menus,
  - Optional Speakerphone
- Manual, Auto Answer
- Phone Directory, On-Screen Dial Pad
- Call Log

Audio Input/Output
- LiveShare™ Plus
- Application Sharing
- Shared Whiteboard
- File Transfer
- Clipboard Linking
- Messaging
- Remote Control
- File Transfer
- T.120 compliant for both point-to-point

Documentation
- English, German, French, Spanish, Italian, Japanese
- User’s Guide
- Installation Guide

PC Requirements
- Processor: 386 or Faster CPU
- Memory: 8 MB RAM
- Disk Space: 20MB
- Operating System: Windows 3.1 or Windows 95

Specifications
Release 1.6

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http://www.picturetel.com
Sales offices and distributors located in major cities worldwide

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PictureTel Desktop Videoconferencing Systems bring the spontaneity, naturalness, and interactivity of in-person meetings to PC users. In doing so, PictureTel gives users the power to address issues and opportunities more quickly, to involve more people in important decision-making, and to foster an open and collaborative working environment.

The PictureTel Live100 system offers a versatile, comprehensive solution for standards-based desktop videoconferencing and application sharing. With the Live100, users of PCs running Microsoft® Windows™ can conduct real-time video meetings with users of any H.320- and T.120-compliant videoconferencing system anywhere in the world.

In addition, the Live100 includes LiveShare™ Plus software, which gives users the ability to share Windows-based applications with remote colleagues. Individuals and groups can work together on presentations, reports, and other projects as if they were side by side — passing application control back and forth with the click of a mouse. The Live100 also includes an electronic whiteboard with annotation tools, drag-and-drop file transfer, shared clipboard, and remote control.

The Live100 is a versatile solution that can operate in a variety of network and telecommunications environments, including ISDN, Switched 56, and V.35/RS-449. Offering users greater productivity, improved responsiveness, richer communication, and enhanced teamwork over distances, the PictureTel Live100 brings comprehensive communication and data collaboration to the desktop.
Description
Complete H.320 personal visual communications add-on solution for ISA or EISA Bus PCs running Microsoft Windows 3.1 or Windows 95.

System Components
- Video Board (NTSC or PAL)
- Audio Board w/ ISDN BRI
- FlipCam™™ Dual Purpose Camera
- Full Duplex Speakerphone w/Handset
- Cables
- Conference Control Software
- LiveShare Plus Data Conferencing Software
- Documentation

Options
- Additional Network Interfaces
- Additional Camera
- Headset

Video
- ITU-T Standard: H.320
- Video coding: H.261
  - QCIF: 176 x 144
  - CIF: 352 x 288
- Channel: H.221

Video Inputs
- Main Camera: Y/C
- Aux. 1: Y/C
- Aux. 2: Composite, RCA phono

Video Outputs
- SVGA Graphics Output: 1024 x 768 x 256 color NI
- Near-end Video Window: Fully resizable
- Far-end Video Window: Fully resizable
- Full-screen video capable

Video Formats
- NTSC or PAL

Camera
- FlipCam: Main/Document Camera
  - Type: 1/3” color CCD
  - Horizontal resolution: 330 lines
  - Manual focus: 10” to infinity
  - Manual zoom: 2.5X
  - Max. horiz. field of view: 68º
  - Manual iris, privacy shutter
  - Manual pan and tilt

Audio
- Speakerphone / Handset
  - Full Duplex Echo Cancellation IDEC™ II
    - Includes noise suppression and automatic gain control

Audio Inputs
- Headset: Optional
- Aux. Input: Line Level - RCA phono
  - (Requires optional cable)

Audio Outputs
- Headset: Optional
- Aux. Output: Line Level - RCA phono
  - (Requires optional cable)

Audio Controls
- Volume Up/Down
- Mute On/Off
- Speakerphone On/Off
- Headset On/Off
- Handset Switch-hook

Audio Modes:

<table>
<thead>
<tr>
<th>Algorithms Supported</th>
<th>Transmission Bandwidth</th>
<th>Frequency Response (Kbps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Narrowband</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G.711</td>
<td>64</td>
<td>300 Hz–3.4 kHz</td>
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<tr>
<td>G.728</td>
<td>16</td>
<td>300 Hz–3.4 kHz</td>
</tr>
<tr>
<td>Wideband</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G.722</td>
<td>48 or 56</td>
<td>50 Hz–7.0 kHz</td>
</tr>
<tr>
<td>PT724*</td>
<td>24</td>
<td>50 Hz–7.0 kHz</td>
</tr>
</tbody>
</table>

* High-quality audio and video for PictureTel-to-PictureTel communications

Network Interface
- Transmission Speeds
  - 56-128Kbps: Standard
  - Up to 384Kbps: Optional

Network Interfaces Supported
- ISDN BRI S/T Interface: Standard
- Optional Network Interfaces (Requires additional PC boards)
  - Dual V.35 with RS-366 dialing
  - Dual RS-449 with RS-366 dialing
  - Dual RS-449 non-dialed

Diagnostics
- Run Time Diagnostics

Additional Features
- Snapshot of local or remote video window
- Far-end Camera Control
- H.320 Multipoint–Voice Activated
- Call Initiation, Answer & Termination via:
  - On-Screen Menus,
  - Optional Speakerphone
- Manual, Auto Answer
- Phone Directory, On-Screen Dial Pad
- Call Log
- Snap Shot Reception

LiveShare™ Plus
- Application Sharing
- Shared Whiteboard
- File Transfer
- Clipboard Linking
- Messaging
- Remote Control
- T.120 compliant for both point-to-point and multipoint data collaboration

Documentation
(English, German, French, Spanish, Italian, Japanese)
- User’s Guide
- Installation Guide

PC Requirements
- 386 or Faster CPU
- 8 MB RAM
- 20MB Disk Space
- ISA or EISA Bus
- Microsoft® Windows™ 3.1 or Windows 95
- SVGA or VGA Monitor

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