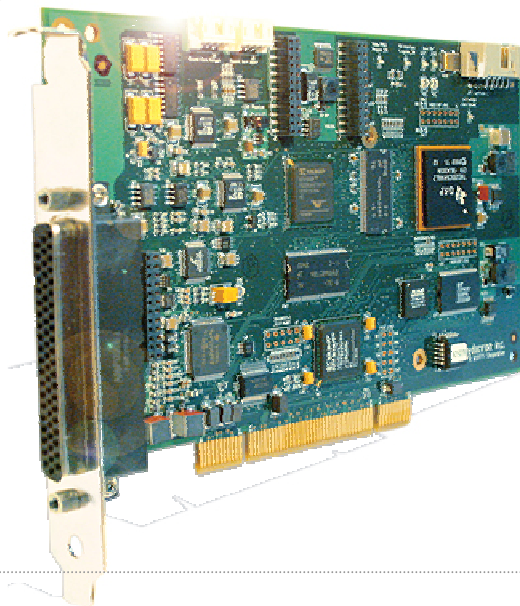


SCOTTY Z470 for Windows®



Half size PCI board for videoconferencing with superior video quality and great flexibility through an extensive set of interfaces.

- > The Z470 enables integration with PC hardware to deliver conferencing over LAN, ISDN and synchronous networks like V.35, X.21 at data rates of up to 1,536 kbps.
- > The Z470 provides a sustained 30 frames per second, H.239 and T.120 support for data collaboration such as application sharing. By using onboard processing power, the Z470 allows computing intensive H.264 video processing while keeping the load on the host PC at a low level.
- > An extensive set of video and audio inputs and outputs combined with the high quality echo canceller eliminate the need for external equipment even for fully featured conference room applications. Control of pan tilt zoom cameras is possible using the integrated interfaces. Receive and transmit video can be independently displayed on the PC screen and via the video outputs of the codec for dual monitor operation.
- > The Z470 is a half size PCI card requiring only a single PCI slot. The easy-to-use Z470 software runs on Windows 2K/XP. It also includes built in system configuration and diagnostics.

FEATURES

H.264, H.320 AND H.323
COMPLIANT
EXTENSIVE SET OF AUDIO
AND VIDEO IO'S
30 FPS SUSTAINED VIDEO
FRAME RATE
NETWORK DATA RATE
UP TO 1,536 KBPS
H.239 AND NETMEETING™
INTEGRATION
HIGH EFFICIENCY DATA
TRANSFER
HALF SIZE PCI-BASED CODEC

SCOTTY™

SCOTTY Z470 for Windows®

TECHNICAL SPECIFICATIONS

VIDEO INPUTS

- > 2 composite + 2 S-video or
- > 4 composite + 1 S-video or
- > 6 composite

VIDEO OUTPUTS

- > 1 composite
- > 1 S-video
- > Video display on PC screen

VIDEO FORMAT

- > NTSC, PAL

VIDEO FRAME RATE

- > Sustained 30 frames per second

VIDEO RESOLUTION

- > XGA (1024 x 768 pixels)
- > 4CIF (704 x 576 pixels)*
- > CIF (352 x 288 pixels)
- > QCIF (176 x 144 pixels)

VIDEO STANDARDS

- > H.261, H.263, H.263+, H.264

VIDEO FEATURES

- > Snapshot
- > Picture in Picture
- > Dual monitor support (PC screen + analog)
- > Video format separately definable for every input and output
- > PC video display scalable to full screen

AUDIO INPUTS

- > 1 Headset (2.2V phantom)
- > 1 Electret mic (2.2 V phantom)
- > 2 Camera mic (line level)
- > 2 Line (line level)
- > 2 Auxiliary (line level)
- > 2 To sound card (line level)

AUDIO OUTPUTS

- > 1 Headset
- > 2 Speaker (line level)
- > 2 Line (line level)
- > 2 Auxiliary (line level)
- > 2 To sound card (line level)

* In development

ECHO CANCELLER

- > High quality acoustic echo canceller
- > 192 ms tail length

AUDIO STANDARDS

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

AUDIO FEATURES

- > Automatic gain control
- > DTMF detection/generation
- > Audio input mixing

DATA STANDARDS

- > H.239 (dual video stream)
- > T.120 (NetMeeting™ support)
- > H.281 (remote camera control)
- > Codec data channels for high speed file transfer

CONTROL IN/OUTPUTS

- > 2 RS232 interfaces for camera control

NETWORK

- > 56 – 1,536 kbps
H.320/H.323
- > 10 pin MVIP interface
- > H.323 via PC interface

H.323 FEATURES

- > Resource Reservation Protocol (RSVP)
- > Network Address Translation support (NAT)
- > IP adaptive bandwidth management including flow control
- > Packet Loss Correction
- > IP address conflict warning

OTHER STANDARDS SUPPORTED

- > H.221, H.224, H.225, H.281, H.281 tunneling, H.282, H.283
- > PTZ camera control (Sony, Canon, Wolfvision, ...)

CONNECTORS

- > 2 RS232 interfaces for camera control
- > External 62 pin HD (3 rows) connector
- > Internal sound card connectors (from/to)
- > Internal 10 pin MVIP connector

BOARD DIMENSION

- > 6.875" x 4.200" (approx. 175 x 107 mm)

POWER

- > +3.3 V 1 A (max)
- > +5 V 500 mA (max)
- > +12 V 200 mA (max)
- > -12 V 100 mA (max)

ENVIRONMENT

- > Operating temp.: 0 to 50°C (32 to 122°F)
- > Storage temp.: -20 to 80°C (-4 to 176°F)
- > Humidity: 5% - 95%, non condensing

REGULATORY APPROVALS

- > Safety, emissions, and immunity for US, Canada, Europe, Japan and Australia

MINIMUM SYSTEM REQUIREMENTS

- > 400 MHz Pentium™ PC
- > 128 MB RAM/256 MB for XP
- > 1 free half length PCI slot
- > 30 MB available hard drive space
- > Windows 2K/XP

INCLUDED SOFTWARE

- > Z470 drivers
- > Diagnostic software
- > Teleport™ application

OPTIONS

- > Audio/Video breakout box
- > 4 BRI (512 kbps) bonding ISDN board
- > Synchronous interface V.35, RS449, X.21, V25bis dialing
- > Desktop camera with integrated microphone
- > PTZ camera with table microphone
- > External encryption device support
- > H.239: Dual video stream
- > Filetransfer optimized for BGAN and GAN including SCOTTY File Exchange

SPECIAL APPLICATIONS (on special contract)

- > API license and support
- > Software customizations/developments
- > Hardware adaptations/daughterboards

Contact your authorized reseller or SCOTTY Group representative to learn more. Specifications subject to change without notice. Windows® is a registered trademark of Microsoft Corporation.

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