

# TeleScenic Laptop 384 SPECIFICATIONS

- H.320, H.323  
384Kbps – 30fps or

## Video Conferencing Standards Supported

(CCITT H.320 family)  
Video Encoding:  
H.261  
H.263, H.323

## Audio Encoding

CCITT G.728 (16kbps)  
CCITT G.711 (56kbps)  
CCITT G.722 (48/56kbps)

## CCITT Communications Protocols

H.281 Camera Control  
H.221 framing & multiplexing  
H.230 Capabilities Exchange  
H.242 Signalling  
H.243 MCU Support  
H.224, H.323 Data Transfer  
T.120 Data Collaboration

## Miscellaneous

BONDING mode 1 for single number dialing

## Computer Interfaces

SCSI II (Fast/Narrow)  
115Kbps RS-232 (x2)

## Telephony Interfaces

3x ISDN BRI w/ built-in inverse multiplexor,  
S/T or U interfaces available

## Video Connections

All inputs and outputs support composite or s-video,  
NTSC or PAL encoding  
Two camera inputs  
One video output  
One camera control data port

## Audio Connections

External mic. Input  
Line-in Input  
Bipolar speaker output  
Line output  
RJ-11 audio input/output for privacy using a telephone handset

## Physical Specifications

Weight: 9 lbs (See note 1)  
Universal Power Supply, 90-265VAC, 47-63 Hz  
Power Consumption: 20W typical, 45W max.  
Operating Temperature: 50-105°F (10-40 °C)  
Storage Temperature: 0-120°F (-20 - 50°C)

## Approvals and Certifications

Manufactured in an ISO 9002 approved facility

## Safety

UL 1950  
C-UL  
IEC950  
EN41003  
EN60950

## EMI/EMC

FCC part 15 class A  
CISPR 22 class A (EN55022)  
IEC 801-2,3,4 (EN50082-1)

## ISDN

FCC Part 68 (US)  
NET3 (EU)  
ACA TS013, TS031 (Australia)  
VN4 (France)

## PC Software Specifications

Video (see note 2 for more information)

16, 24, or 32 bit color on PC, or switch to external monitor  
4 PC video window sizes available including full-screen video  
Automatic aspect ratio maintenance  
Local camera (transmitted image) brightness, contrast, color, tint  
Picture-in-picture positioning & toggle  
Still capture to clipboard, image editor, file, or file sequence

## Audio

Uses VIDEO FLYER audio circuitry, not stuck with PC sound card  
quality. The codec line out can be connected to the PC line in, but  
separate speaker recommended for better sound.

GUI controls for  
source  
volume  
mic mute  
input level  
transmit encoding  
ringer  
echo canceling  
auto gain control  
noise suppression  
narrow / wide band selection (G.722)

## Dialing

Supports 8 call modes:  
H.221 or BONDING calls  
64K or 56K (restricted) lines  
Voice only  
Local loop back for test  
Dedicated line mode  
Manual or auto answer  
Manual or Phonebook dialing

## Miscellaneous

Built from ground up as 32 bit Windows software  
Real-time ISDN status display for all lines  
Call, video, & audio diagnostics  
GUI interface includes complete codec configuration  
GUI interface for codec firmware upgrade

## PC Configuration (minimum)

100 MHz Pentium  
16 MB RAM  
640x480 x 16 bit color VGA video card  
SCSI II controller & cable (see note 5)  
Microsoft Windows 95, 98, or NT 4.0 (see note 4).

## Recommended

166MHz Pentium or better  
32 MB RAM (allows Microsoft NetMeeting in tandem)  
1024x768 x 24 bit color SVGA video card with hardware  
acceleration for Microsoft DirectX  
Bus mastering PCI or CardBus SCSI II or III controller (see note 5).

## Optional

Pen tablet for NetMeeting whiteboard  
Projection LCD or flat panel display for group data view

## Notes

(1) Codec & housing weight: cable, camera, speaker, and laptop  
options vary, weight not included.

(2) Full-screen video requires Microsoft DirectX 5 capable display,  
not available under Windows NT

(4) 32MB RAM minimum recommended for Windows NT, 64 MB  
for use with NetMeeting on NT

(5) SCSI controller must be fully SCSI II and ASPI compliant. Bus  
mastering controller recommended for full frame rate video  
performance. Performance guaranteed only with Adaptec Corp.  
controllers.

## Tested Adaptec models include

2910 (PCI, bus master, 32 bit)  
2940 (PCI, bus master, 32 bit)  
3940 (PCI, bus master, 32 bit)  
1460 (PCMCIA / PC Card, 16 bit)  
1480 (PCMCIA / CardBus, 32 bit)

## Trademarks

Windows is a registered trademark of Microsoft Corporation.  
NetMeeting is a trademark of Microsoft Corporation.  
Pentium is a registered trademark of Intel Corporation.