COLLABORATE Desktop offers high definition audio and video up to 720p and 1080p*, and includes features and functionality that extend far beyond the capabilities of a desktop videoconferencing application. COLLABORATE Desktop offers multiple media transmitting capabilities for video, audio, and data. Among COLLABORATE Desktop advanced capabilities is the ability to send and receive video and data streams simultaneously, using DualStream™ technology. Additional streaming capability, using Simulcast™, allows COLLABORATE Desktop to chair or participate in corporate broadcasts.

COLLABORATE Desktop is a versatile, key application for any PC or laptop user, in organizations of any size. It is available in different models: Basic, and Executive, to suit varying corporate requirements.

This newly released version also includes recording and streaming capabilities, as well as the ability to connect across firewalls and NAT, compliant with H.460.18/19 firewall/NAT traversal protocols.

* 1080P Incoming only is available in Executive mode.

High Definition Video and Audio

Using the latest H.264 video standard, COLLABORATE Desktop sends and receives high definition quality video. Users can participate in videoconferences at data rates ranging from 64 Kbps to 4 Mbps, depending on the available bandwidth. The superb high definition image quality provided by 4CIF, 720p, and 1080p technology enables the sharpest images in natural color and full motion, even with a simple webcam.

COLLABORATE Desktop’s audio features include full duplex echo cancellation, automatic noise suppression and wide-band audio in low bit-rate calls, all combined to deliver crisp audio to the desktop.

Superior Collaboration Environment

COLLABORATE Desktop allows users to share data from their desktop with the remote side. Various forms of sharing are possible such as desktop, file, window and region sharing, utilizing a detachable data window. When deployed in conjunction with COLLABORATE Central, users can invite a 3rd party into their conference, and everyone will be placed automatically into a multipoint conference bridge. Other video telephony features, such as video call transfer and video call forward are also possible when an COLLABORATE Central server is used.

Corporate Ready

Using a COLLABORATE Central Administrator program, the network administrator can remotely upgrade all COLLABORATE Desktop endpoints, as well as manage those endpoints on a day-to-day basis. COLLABORATE Desktop includes video and audio device discovery as well as an audio tuning wizard, making it easy to install and operate, no matter which cameras and audio the user chooses.
Specifications

Minimum PC Requirements

- Pentium IV 3 Ghz PC
  - H.264 4CIF and above requires Core 2 Duo or Dual Core 3Ghz or faster CPU, or AMD equal to, or faster than Athlon 64x2 Dual
- 512MB 400 MHz RAM
- 25 MB available disk space
- Windows XP / 7 / 8
- Graphic display that supports DirectX 9.0
- Two available USB Ports (one for video device and one for a USB protection key if used).

Video Specifications

Transmission Speed H.323: 64 Kbps - 4Mbps SIP: 64 Kbps – 4Mbps

ISDN 64 Kbps - 512 Kbps (4BRI)

SIP protocols

RFC 3261 2396, 2543, 2617, 2822, 2933, 2976, 3264, 3960, 5168, 3262, 3550, 3984, 4961

Secure Authentication: MD5

Video Standards

H.261, H.263, H.263+/++ H.264 - up to 2Mbps

Outgoing

HD Video Resolution

1080p (1920 x 1080 pixels)

720p (1280 x 720 pixels)

Other Video Resolution

4CIF (704 x 576 pixels)

4SIF (704 x 480 pixels)

VGA (640 x 480 pixels)

Interlaced CIF (352 x 576 pixels)

CIIF (352 x 288 pixels)

SIIF (352 x 240 pixels)

QVGA (320 x 240 pixels)

QCIF (176 x 144 pixels)

Video Frame Rate

Up to 15 fps: 64 - 128 Kbps

Up to 20 fps: 192 Kbps

Up to 30 fps: 256 Kbps

Audio Specifications

- Full duplex echo cancellation
- Automatic noise suppression (ANS)
- Automatic gain control (AGC)
- Audio device discovery
- Audio tuning wizard
- Unlimited number of audio devices supported
- Headset and speaker profiles
- Voice Activity Detection (VAD)
- Audio Standards
  - AAC-LD – 20Khz
  - G.722.1- Annex C – 14Khz
  - G722,G.721.1 – 7Khz,
  - G.711, G.723.1, G.726,G.729 - 3.4 KHz

Data Specifications

HD DualStream™

File, region, and window sharing - (Detachable data view)

Windows desktop sharing

Tandberg DuoVideo support

Sending and receiving capability

1 live video source + 1 data source

Resolutions supported:

- VGA, SVGA, 4CIF, VGA, CIF, QVGA

Networking Specifications

Standards Supported

ITU-T: H.323 v5.5

H.320 Annex Q (FECC)

H.460 17,18,19 (FW traversal) ISDN: H.320, H.221, H.242, H.230

Dual network support

H.323 QoS Features

- DiffServ
- IP Precedence
- Firewall port sync
- NAT IP address mask
- Port pinholing
- Adaptive Bandwidth Adjustment Packet loss recovery (FEC)
- Packet ordering
- Packet duplication control
- Jitter correction
- Lip sync correction
- Overhead prediction
- Max packet size adjustment

Recording/Streaming/Multicasting

WMV format

Low – CIF resolution

HIgh – 4CIF resolution

Only in executive version

Multicasting is available in both Basic & Executive.

Viewing Modes

- Mini screen
- Regular screen
- Large screen

FHD Video Resolutions

Support for 16:9 aspect ratio in wide screen

Dialing Modes

- Manual
- Speed dial
- Personal address book
- Online directory
- Multicast chair
- Broadcast viewer

Security

Encryption using H.235 (AES)

Directory Services

- 1000+ local number directory
- 10,000+ global number directory
- LDAP online directory support
- OpenLDAP
- Microsoft ILS, SiteServer, Active Directory and Exchange
- Sun iPlanet Netscape Directory Search and filter queries

Language Support

- English, French, German, Italian, Spanish,
- Chinese, Polish, Turkish, Norwegian, Korean,
- Russian, Indonesian

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